Full wwPDB EM Validation Report

Mar 19, 2026 – 10:55 PM UTC

PDB ID	:	7DR2 / pdb_00007dr2
EMDB ID	:	EMD-30823
Title	:	Structure of GraFix PSI tetramer from Cyanophora paradoxa
Authors	:	Kato, K.; Nagao, R.; Akita, F.; Miyazaki, N.; Shen, J.R.
Deposited on	:	2020-12-25
Resolution	:	3.80 Å(reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

The following versions of software and data (see references ⓘ) were used in the production of this report:

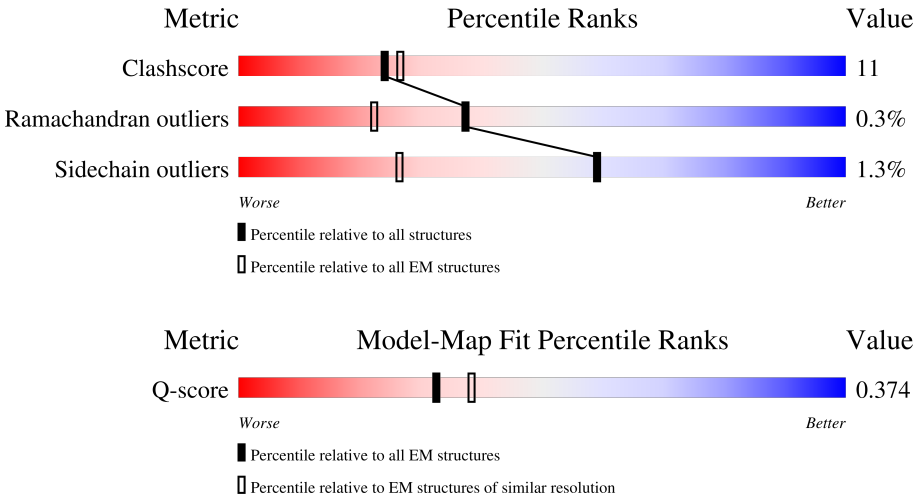
EMDB validation analysis	:	0.0.1.dev132
Mogul	:	2022.3.0, CSD as543be (2022)
MolProbity	:	4-5-2 with Phenix2.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 3.80 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	10198 (3.30 - 4.30)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion < 40%). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	aA	752	22% 76% 21%
1	bA	752	13% 72% 26%
1	cA	752	22% 77% 21%
1	dA	752	14% 72% 26%

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Mol	Chain	Length	Quality of chain
2	aB	737	62% 77% 18%
2	bB	737	51% 77% 18%
2	cB	737	63% 77% 18%
2	dB	737	51% 78% 17%
3	aC	81	44% 74% 22%
3	bC	81	46% 80% 17%
3	cC	81	46% 79% 17%
3	dC	81	46% 83% 15%
4	aD	220	37% 45% 17% 37%
4	bD	220	31% 47% 15% 37%
4	cD	220	37% 45% 17% 37%
4	dD	220	31% 45% 16% 37%
5	aE	70	71% 69% 20% 11%
5	bE	70	76% 67% 21% 11%
5	cE	70	69% 69% 20% 11%
5	dE	70	76% 71% 17% 11%
6	aF	186	82% 63% 23% 13%
6	bF	186	78% 68% 18% 13%
6	cF	186	83% 63% 23% 13%
6	dF	186	78% 66% 19% 13%
7	aI	35	60% 69% 17% 14%
7	bI	35	51% 74% 11% 14%
7	cI	35	60% 69% 17% 14%
7	dI	35	49% 57% 26% 14%
8	aJ	40	92% 68% 25% 8%

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Mol	Chain	Length	Quality of chain
8	bJ	40	88% 78% 15% 8%
8	cJ	40	92% 65% 28% 8%
8	dJ	40	88% 75% 18% 8%
9	aK	157	6% 34% 9% 56%
9	cK	157	6% 35% 8% 56%
10	aL	146	32% 66% 21% 12%
10	bL	146	19% 68% 21% 10%
10	cL	146	34% 67% 20% 12%
10	dL	146	23% 68% 20% 10%
11	aM	31	74% 68% 26% 6%
11	bM	31	71% 77% 16% 6%
11	cM	31	77% 65% 29% 6%
11	dM	31	74% 77% 16% 6%

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
12	CL0	aA	801	X	-	-	-
12	CL0	bA	801	X	-	-	-
12	CL0	cA	801	X	-	-	-
12	CL0	dA	801	X	-	-	-
13	CLA	aA	802	X	-	-	-
13	CLA	aA	803	X	-	-	-
13	CLA	aA	804	X	-	-	-
13	CLA	aA	805	X	-	-	-
13	CLA	aA	806	X	-	-	-
13	CLA	aA	807	X	-	-	-
13	CLA	aA	811	X	-	-	-
13	CLA	aA	812	X	-	-	-
13	CLA	aA	813	X	-	-	-
13	CLA	aA	814	X	-	-	-
13	CLA	aA	815	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	aA	816	X	-	-	-
13	CLA	aA	819	X	-	-	-
13	CLA	aA	820	X	-	-	-
13	CLA	aA	821	X	-	-	-
13	CLA	aA	822	X	-	-	-
13	CLA	aA	823	X	-	-	-
13	CLA	aA	825	X	-	-	-
13	CLA	aA	827	X	-	-	-
13	CLA	aA	828	X	-	-	-
13	CLA	aA	829	X	-	-	-
13	CLA	aA	830	X	-	-	-
13	CLA	aA	831	X	-	-	-
13	CLA	aA	833	X	-	-	-
13	CLA	aA	834	X	-	-	-
13	CLA	aA	836	X	-	-	-
13	CLA	aA	837	X	-	-	-
13	CLA	aA	838	X	-	-	-
13	CLA	aA	839	X	-	-	-
13	CLA	aA	840	X	-	-	-
13	CLA	aA	841	X	-	-	-
13	CLA	aA	842	X	-	-	-
13	CLA	aA	843	X	-	-	-
13	CLA	aB	801	X	-	-	-
13	CLA	aB	803	X	-	-	-
13	CLA	aB	804	X	-	-	-
13	CLA	aB	805	X	-	-	-
13	CLA	aB	806	X	-	-	-
13	CLA	aB	807	X	-	-	-
13	CLA	aB	808	X	-	-	-
13	CLA	aB	809	X	-	-	-
13	CLA	aB	810	X	-	-	-
13	CLA	aB	811	X	-	-	-
13	CLA	aB	812	X	-	-	-
13	CLA	aB	813	X	-	-	-
13	CLA	aB	814	X	-	-	-
13	CLA	aB	816	X	-	-	-
13	CLA	aB	819	X	-	-	-
13	CLA	aB	820	X	-	-	-
13	CLA	aB	821	X	-	-	-
13	CLA	aB	822	X	-	-	-
13	CLA	aB	826	X	-	-	-
13	CLA	aB	827	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	aB	828	X	-	-	-
13	CLA	aB	829	X	-	-	-
13	CLA	aB	830	X	-	-	-
13	CLA	aB	831	X	-	-	-
13	CLA	aB	832	X	-	-	-
13	CLA	aB	834	X	-	-	-
13	CLA	aF	201	X	-	-	-
13	CLA	aF	204	X	-	-	-
13	CLA	aJ	101	X	-	-	-
13	CLA	aK	201	X	-	-	-
13	CLA	aK	203	X	-	-	-
13	CLA	aL	202	X	-	-	-
13	CLA	bA	802	X	-	-	-
13	CLA	bA	803	X	-	-	-
13	CLA	bA	804	X	-	-	-
13	CLA	bA	805	X	-	-	-
13	CLA	bA	806	X	-	-	-
13	CLA	bA	807	X	-	-	-
13	CLA	bA	809	X	-	-	-
13	CLA	bA	810	X	-	-	-
13	CLA	bA	811	X	-	-	-
13	CLA	bA	814	X	-	-	-
13	CLA	bA	815	X	-	-	-
13	CLA	bA	816	X	-	-	-
13	CLA	bA	819	X	-	-	-
13	CLA	bA	820	X	-	-	-
13	CLA	bA	821	X	-	-	-
13	CLA	bA	822	X	-	-	-
13	CLA	bA	825	X	-	-	-
13	CLA	bA	826	X	-	-	-
13	CLA	bA	827	X	-	-	-
13	CLA	bA	828	X	-	-	-
13	CLA	bA	829	X	-	-	-
13	CLA	bA	830	X	-	-	-
13	CLA	bA	831	X	-	-	-
13	CLA	bA	833	X	-	-	-
13	CLA	bA	834	X	-	-	-
13	CLA	bA	837	X	-	-	-
13	CLA	bA	838	X	-	-	-
13	CLA	bA	839	X	-	-	-
13	CLA	bA	840	X	-	-	-
13	CLA	bA	841	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	bA	843	X	-	-	-
13	CLA	bA	844	X	-	-	-
13	CLA	bB	802	X	-	-	-
13	CLA	bB	803	X	-	-	-
13	CLA	bB	804	X	-	-	-
13	CLA	bB	805	X	-	-	-
13	CLA	bB	806	X	-	-	-
13	CLA	bB	807	X	-	-	-
13	CLA	bB	808	X	-	-	-
13	CLA	bB	809	X	-	-	-
13	CLA	bB	810	X	-	-	-
13	CLA	bB	811	X	-	-	-
13	CLA	bB	812	X	-	-	-
13	CLA	bB	813	X	-	-	-
13	CLA	bB	814	X	-	-	-
13	CLA	bB	815	X	-	-	-
13	CLA	bB	817	X	-	-	-
13	CLA	bB	818	X	-	-	-
13	CLA	bB	819	X	-	-	-
13	CLA	bB	820	X	-	-	-
13	CLA	bB	821	X	-	-	-
13	CLA	bB	825	X	-	-	-
13	CLA	bB	826	X	-	-	-
13	CLA	bB	828	X	-	-	-
13	CLA	bB	829	X	-	-	-
13	CLA	bB	830	X	-	-	-
13	CLA	bB	831	X	-	-	-
13	CLA	bB	832	X	-	-	-
13	CLA	bF	204	X	-	-	-
13	CLA	bJ	101	X	-	-	-
13	CLA	bL	202	X	-	-	-
13	CLA	bL	203	X	-	-	-
13	CLA	cA	802	X	-	-	-
13	CLA	cA	803	X	-	-	-
13	CLA	cA	804	X	-	-	-
13	CLA	cA	805	X	-	-	-
13	CLA	cA	806	X	-	-	-
13	CLA	cA	807	X	-	-	-
13	CLA	cA	811	X	-	-	-
13	CLA	cA	812	X	-	-	-
13	CLA	cA	813	X	-	-	-
13	CLA	cA	814	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	cA	815	X	-	-	-
13	CLA	cA	816	X	-	-	-
13	CLA	cA	819	X	-	-	-
13	CLA	cA	820	X	-	-	-
13	CLA	cA	821	X	-	-	-
13	CLA	cA	822	X	-	-	-
13	CLA	cA	823	X	-	-	-
13	CLA	cA	825	X	-	-	-
13	CLA	cA	827	X	-	-	-
13	CLA	cA	828	X	-	-	-
13	CLA	cA	829	X	-	-	-
13	CLA	cA	830	X	-	-	-
13	CLA	cA	831	X	-	-	-
13	CLA	cA	833	X	-	-	-
13	CLA	cA	834	X	-	-	-
13	CLA	cA	836	X	-	-	-
13	CLA	cA	837	X	-	-	-
13	CLA	cA	838	X	-	-	-
13	CLA	cA	839	X	-	-	-
13	CLA	cA	840	X	-	-	-
13	CLA	cA	841	X	-	-	-
13	CLA	cA	842	X	-	-	-
13	CLA	cA	843	X	-	-	-
13	CLA	cB	801	X	-	-	-
13	CLA	cB	803	X	-	-	-
13	CLA	cB	804	X	-	-	-
13	CLA	cB	805	X	-	-	-
13	CLA	cB	806	X	-	-	-
13	CLA	cB	807	X	-	-	-
13	CLA	cB	808	X	-	-	-
13	CLA	cB	809	X	-	-	-
13	CLA	cB	810	X	-	-	-
13	CLA	cB	811	X	-	-	-
13	CLA	cB	812	X	-	-	-
13	CLA	cB	813	X	-	-	-
13	CLA	cB	814	X	-	-	-
13	CLA	cB	816	X	-	-	-
13	CLA	cB	819	X	-	-	-
13	CLA	cB	820	X	-	-	-
13	CLA	cB	821	X	-	-	-
13	CLA	cB	822	X	-	-	-
13	CLA	cB	826	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	cB	827	X	-	-	-
13	CLA	cB	828	X	-	-	-
13	CLA	cB	829	X	-	-	-
13	CLA	cB	830	X	-	-	-
13	CLA	cB	831	X	-	-	-
13	CLA	cB	832	X	-	-	-
13	CLA	cB	834	X	-	-	-
13	CLA	cF	201	X	-	-	-
13	CLA	cF	204	X	-	-	-
13	CLA	cJ	101	X	-	-	-
13	CLA	cK	201	X	-	-	-
13	CLA	cK	203	X	-	-	-
13	CLA	cL	202	X	-	-	-
13	CLA	dA	802	X	-	-	-
13	CLA	dA	803	X	-	-	-
13	CLA	dA	804	X	-	-	-
13	CLA	dA	805	X	-	-	-
13	CLA	dA	806	X	-	-	-
13	CLA	dA	807	X	-	-	-
13	CLA	dA	809	X	-	-	-
13	CLA	dA	810	X	-	-	-
13	CLA	dA	811	X	-	-	-
13	CLA	dA	814	X	-	-	-
13	CLA	dA	815	X	-	-	-
13	CLA	dA	816	X	-	-	-
13	CLA	dA	819	X	-	-	-
13	CLA	dA	820	X	-	-	-
13	CLA	dA	821	X	-	-	-
13	CLA	dA	822	X	-	-	-
13	CLA	dA	825	X	-	-	-
13	CLA	dA	826	X	-	-	-
13	CLA	dA	827	X	-	-	-
13	CLA	dA	828	X	-	-	-
13	CLA	dA	829	X	-	-	-
13	CLA	dA	830	X	-	-	-
13	CLA	dA	831	X	-	-	-
13	CLA	dA	833	X	-	-	-
13	CLA	dA	834	X	-	-	-
13	CLA	dA	837	X	-	-	-
13	CLA	dA	838	X	-	-	-
13	CLA	dA	839	X	-	-	-
13	CLA	dA	840	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
13	CLA	dA	841	X	-	-	-
13	CLA	dA	843	X	-	-	-
13	CLA	dA	844	X	-	-	-
13	CLA	dB	802	X	-	-	-
13	CLA	dB	803	X	-	-	-
13	CLA	dB	804	X	-	-	-
13	CLA	dB	805	X	-	-	-
13	CLA	dB	806	X	-	-	-
13	CLA	dB	807	X	-	-	-
13	CLA	dB	808	X	-	-	-
13	CLA	dB	809	X	-	-	-
13	CLA	dB	810	X	-	-	-
13	CLA	dB	811	X	-	-	-
13	CLA	dB	812	X	-	-	-
13	CLA	dB	813	X	-	-	-
13	CLA	dB	814	X	-	-	-
13	CLA	dB	815	X	-	-	-
13	CLA	dB	817	X	-	-	-
13	CLA	dB	818	X	-	-	-
13	CLA	dB	819	X	-	-	-
13	CLA	dB	820	X	-	-	-
13	CLA	dB	821	X	-	-	-
13	CLA	dB	825	X	-	-	-
13	CLA	dB	826	X	-	-	-
13	CLA	dB	828	X	-	-	-
13	CLA	dB	829	X	-	-	-
13	CLA	dB	830	X	-	-	-
13	CLA	dB	831	X	-	-	-
13	CLA	dB	832	X	-	-	-
13	CLA	dF	204	X	-	-	-
13	CLA	dJ	101	X	-	-	-
13	CLA	dL	202	X	-	-	-
13	CLA	dL	203	X	-	-	-
17	SF4	aB	802	-	-	X	-
17	SF4	aC	102	-	-	X	-
17	SF4	cB	802	-	-	X	-
17	SF4	cC	102	-	-	X	-

2 Entry composition

There are 18 unique types of molecules in this entry. The entry contains 89952 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	aA	739	Total	C	N	O	S	0	0
			5803	3794	987	999	23		
1	bA	739	Total	C	N	O	S	0	0
			5803	3794	987	999	23		
1	cA	739	Total	C	N	O	S	0	0
			5803	3794	987	999	23		
1	dA	739	Total	C	N	O	S	0	0
			5803	3794	987	999	23		

- Molecule 2 is a protein called Photosystem I P700 chlorophyll a apoprotein A2.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	aB	706	Total	C	N	O	S	0	0
			5622	3688	950	972	12		
2	bB	706	Total	C	N	O	S	0	0
			5622	3688	950	972	12		
2	cB	706	Total	C	N	O	S	0	0
			5622	3688	950	972	12		
2	dB	706	Total	C	N	O	S	0	0
			5622	3688	950	972	12		

- Molecule 3 is a protein called Photosystem I iron-sulfur center.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	aC	80	Total	C	N	O	S	0	0
			601	367	106	117	11		
3	bC	80	Total	C	N	O	S	0	0
			601	367	106	117	11		
3	cC	80	Total	C	N	O	S	0	0
			601	367	106	117	11		
3	dC	80	Total	C	N	O	S	0	0
			601	367	106	117	11		

- Molecule 4 is a protein called Photosystem I reaction center subunit II, cyanelle.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	aD	139	Total	C	N	O	S	0	0
			1082	691	190	199	2		
4	bD	139	Total	C	N	O	S	0	0
			1082	691	190	199	2		
4	cD	139	Total	C	N	O	S	0	0
			1082	691	190	199	2		
4	dD	139	Total	C	N	O	S	0	0
			1082	691	190	199	2		

- Molecule 5 is a protein called Photosystem I reaction center subunit IV.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	aE	62	Total	C	N	O	S	0	0
			508	322	87	98	1		
5	bE	62	Total	C	N	O	S	0	0
			508	322	87	98	1		
5	cE	62	Total	C	N	O	S	0	0
			508	322	87	98	1		
5	dE	62	Total	C	N	O	S	0	0
			508	322	87	98	1		

- Molecule 6 is a protein called Photosystem I reaction center subunit III.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	aF	161	Total	C	N	O	S	0	0
			1255	795	220	238	2		
6	bF	161	Total	C	N	O	S	0	0
			1255	795	220	238	2		
6	cF	161	Total	C	N	O	S	0	0
			1255	795	220	238	2		
6	dF	161	Total	C	N	O	S	0	0
			1255	795	220	238	2		

- Molecule 7 is a protein called Photosystem I reaction center subunit VIII.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	aI	30	Total	C	N	O	S	0	0
			228	155	31	40	2		
7	bI	30	Total	C	N	O	S	0	0
			228	155	31	40	2		
7	cI	30	Total	C	N	O	S	0	0
			228	155	31	40	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	dI	30	Total	C	N	O	S	0	0
			228	155	31	40	2		

- Molecule 8 is a protein called Photosystem I reaction center subunit IX.

Mol	Chain	Residues	Atoms				AltConf	Trace
8	aJ	37	Total	C	N	O	0	0
			292	199	43	50		
8	bJ	37	Total	C	N	O	0	0
			292	199	43	50		
8	cJ	37	Total	C	N	O	0	0
			292	199	43	50		
8	dJ	37	Total	C	N	O	0	0
			292	199	43	50		

- Molecule 9 is a protein called Photosystem I reaction center subunit PsaK 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	aK	69	Total	C	N	O	S	0	0
			490	322	79	87	2		
9	cK	69	Total	C	N	O	S	0	0
			490	322	79	87	2		

- Molecule 10 is a protein called Photosystem I reaction center subunit XI.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	aL	128	Total	C	N	O	S	0	0
			943	612	155	174	2		
10	bL	131	Total	C	N	O	S	0	0
			965	626	160	177	2		
10	cL	128	Total	C	N	O	S	0	0
			943	612	155	174	2		
10	dL	131	Total	C	N	O	S	0	0
			965	626	160	177	2		

- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

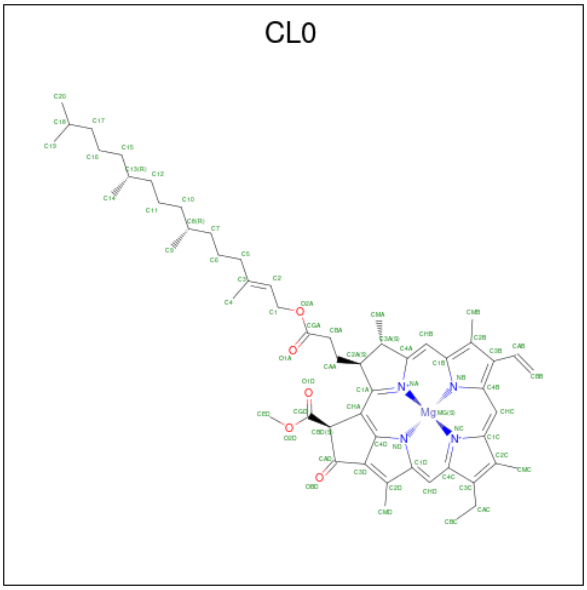
Mol	Chain	Residues	Atoms				AltConf	Trace
11	aM	29	Total	C	N	O	0	0
			215	145	34	36		
11	bM	29	Total	C	N	O	0	0
			215	145	34	36		

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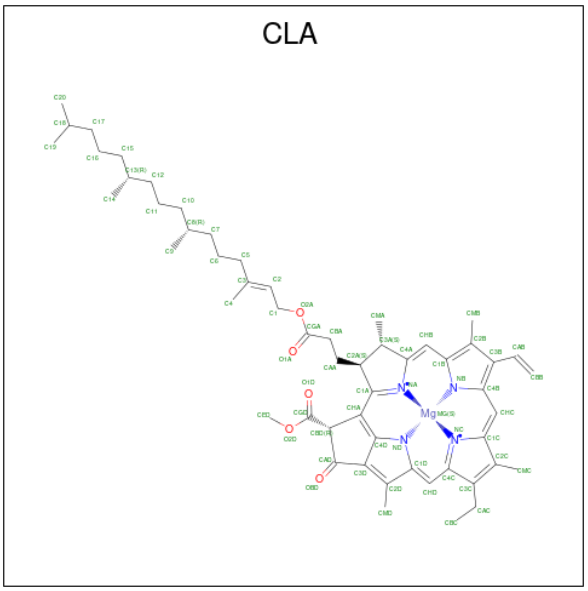
Mol	Chain	Residues	Atoms				AltConf	Trace
11	cM	29	Total 215	C 145	N 34	O 36	0	0
11	dM	29	Total 215	C 145	N 34	O 36	0	0

- Molecule 12 is CHLOROPHYLL A ISOMER (CCD ID: CL0) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms					AltConf
12	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
12	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
12	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
12	dA	1	Total 65	C 55	Mg 1	N 4	O 5	0

- Molecule 13 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms					AltConf
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			61	51	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aA	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			56	46	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	aB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aF	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	aF	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	aJ	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aK	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
13	aK	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	aK	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	aL	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	aL	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	aL	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			61	51	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	bA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bA	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			56	46	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	bB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bF	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	bF	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	bJ	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	bL	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	bL	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	cA	1	Total	C	Mg	N	O	0
			61	51	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	cA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cA	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			46	36	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cF	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	cF	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cJ	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cK	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
13	cK	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	cK	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	cL	1	Total	C	Mg	N	O	0
			46	36	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	cL	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	cL	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
13	dA	1	Total	C	Mg	N	O	0
			61	51	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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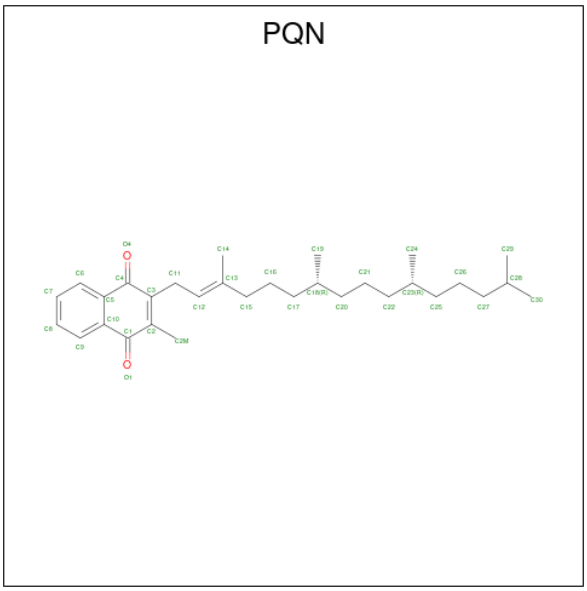
Mol	Chain	Residues	Atoms					AltConf
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dA	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			46	36	1	4	5	

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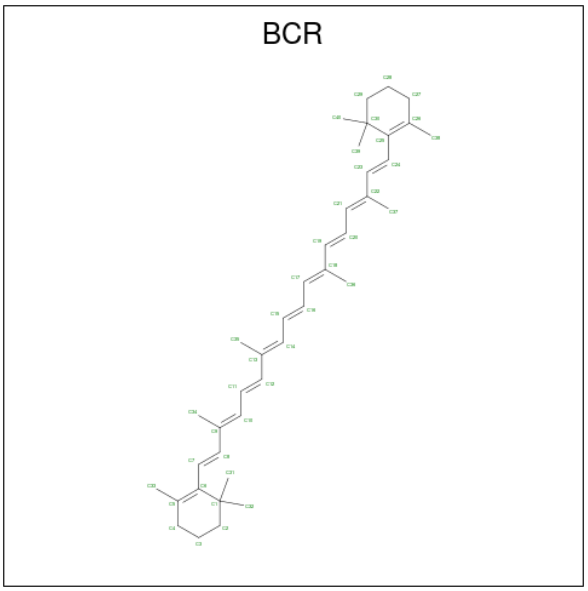
Mol	Chain	Residues	Atoms					AltConf
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dF	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
13	dF	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dJ	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
13	dL	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
13	dL	1	Total	C	Mg	N	O	0
			52	42	1	4	5	

- Molecule 14 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$).



Mol	Chain	Residues	Atoms	AltConf
14	aA	1	Total C O 33 31 2	0
14	aB	1	Total C O 33 31 2	0
14	bA	1	Total C O 33 31 2	0
14	bB	1	Total C O 33 31 2	0
14	cA	1	Total C O 33 31 2	0
14	cB	1	Total C O 33 31 2	0
14	dA	1	Total C O 33 31 2	0
14	dB	1	Total C O 33 31 2	0

- Molecule 15 is BETA-CAROTENE (CCD ID: BCR) (formula: $C_{40}H_{56}$).



Mol	Chain	Residues	Atoms	AltConf
15	aA	1	Total C 40 40	0
15	aA	1	Total C 40 40	0
15	aA	1	Total C 40 40	0
15	aA	1	Total C 40 40	0
15	aA	1	Total C 40 40	0
15	aB	1	Total C 40 40	0
15	aB	1	Total C 40 40	0
15	aB	1	Total C 40 40	0
15	aF	1	Total C 40 40	0
15	aF	1	Total C 40 40	0
15	aI	1	Total C 40 40	0
15	aJ	1	Total C 40 40	0
15	aJ	1	Total C 40 40	0
15	aJ	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
15	aK	1	Total C 40 40	0
15	aK	1	Total C 40 40	0
15	aL	1	Total C 40 40	0
15	aL	1	Total C 40 40	0
15	aL	1	Total C 40 40	0
15	aM	1	Total C 40 40	0
15	bA	1	Total C 40 40	0
15	bA	1	Total C 40 40	0
15	bA	1	Total C 40 40	0
15	bA	1	Total C 40 40	0
15	bA	1	Total C 40 40	0
15	bA	1	Total C 40 40	0
15	bB	1	Total C 40 40	0
15	bB	1	Total C 40 40	0
15	bB	1	Total C 40 40	0
15	bF	1	Total C 40 40	0
15	bF	1	Total C 40 40	0
15	bI	1	Total C 40 40	0
15	bI	1	Total C 40 40	0
15	bJ	1	Total C 40 40	0
15	bJ	1	Total C 40 40	0

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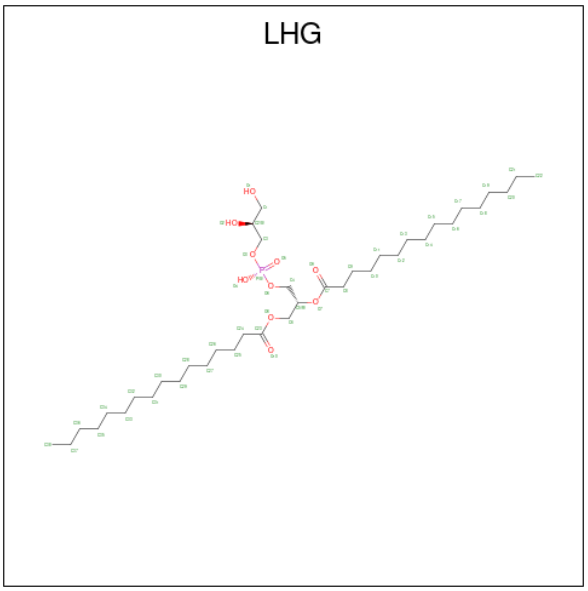
Mol	Chain	Residues	Atoms	AltConf
15	bJ	1	Total C 40 40	0
15	bL	1	Total C 40 40	0
15	bM	1	Total C 40 40	0
15	cA	1	Total C 40 40	0
15	cA	1	Total C 40 40	0
15	cA	1	Total C 40 40	0
15	cA	1	Total C 40 40	0
15	cA	1	Total C 40 40	0
15	cB	1	Total C 40 40	0
15	cB	1	Total C 40 40	0
15	cB	1	Total C 40 40	0
15	cF	1	Total C 40 40	0
15	cF	1	Total C 40 40	0
15	cI	1	Total C 40 40	0
15	cJ	1	Total C 40 40	0
15	cJ	1	Total C 40 40	0
15	cJ	1	Total C 40 40	0
15	cK	1	Total C 40 40	0
15	cL	1	Total C 40 40	0
15	cL	1	Total C 40 40	0
15	cL	1	Total C 40 40	0

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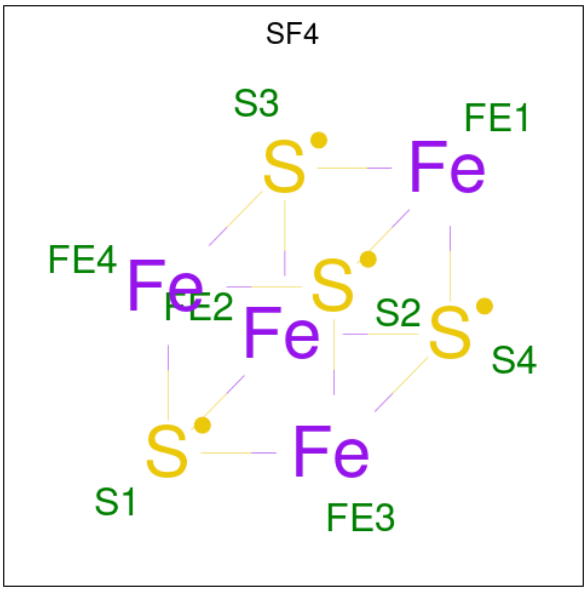
Mol	Chain	Residues	Atoms	AltConf
15	cM	1	Total C 40 40	0
15	dA	1	Total C 40 40	0
15	dA	1	Total C 40 40	0
15	dA	1	Total C 40 40	0
15	dA	1	Total C 40 40	0
15	dA	1	Total C 40 40	0
15	dA	1	Total C 40 40	0
15	dB	1	Total C 40 40	0
15	dB	1	Total C 40 40	0
15	dB	1	Total C 40 40	0
15	dF	1	Total C 40 40	0
15	dF	1	Total C 40 40	0
15	dI	1	Total C 40 40	0
15	dI	1	Total C 40 40	0
15	dJ	1	Total C 40 40	0
15	dJ	1	Total C 40 40	0
15	dJ	1	Total C 40 40	0
15	dL	1	Total C 40 40	0
15	dL	1	Total C 40 40	0
15	dM	1	Total C 40 40	0

- Molecule 16 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$).



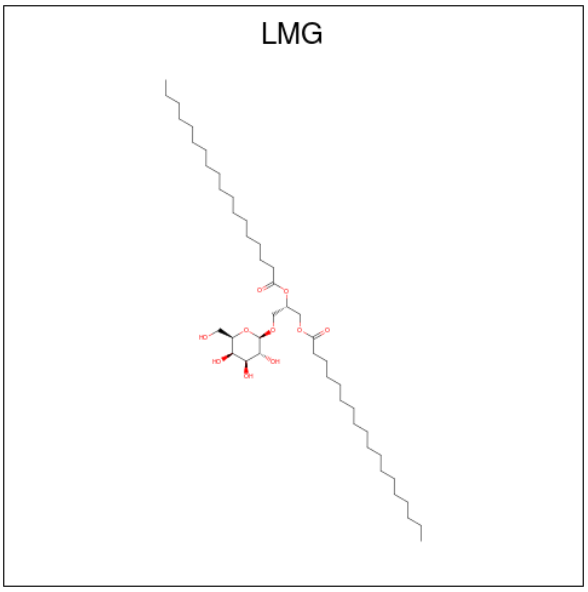
Mol	Chain	Residues	Atoms				AltConf
16	aA	1	Total	C	O	P	0
			49	38	10	1	
16	aA	1	Total	C	O	P	0
			27	16	10	1	
16	bA	1	Total	C	O	P	0
			49	38	10	1	
16	bA	1	Total	C	O	P	0
			27	16	10	1	
16	cA	1	Total	C	O	P	0
			49	38	10	1	
16	cA	1	Total	C	O	P	0
			27	16	10	1	
16	dA	1	Total	C	O	P	0
			49	38	10	1	
16	dA	1	Total	C	O	P	0
			27	16	10	1	

- Molecule 17 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	AltConf
17	aB	1	Total Fe S 8 4 4	0
17	aC	1	Total Fe S 8 4 4	0
17	aC	1	Total Fe S 8 4 4	0
17	bB	1	Total Fe S 8 4 4	0
17	bC	1	Total Fe S 8 4 4	0
17	bC	1	Total Fe S 8 4 4	0
17	cB	1	Total Fe S 8 4 4	0
17	cC	1	Total Fe S 8 4 4	0
17	cC	1	Total Fe S 8 4 4	0
17	dB	1	Total Fe S 8 4 4	0
17	dC	1	Total Fe S 8 4 4	0
17	dC	1	Total Fe S 8 4 4	0

- Molecule 18 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: $C_{45}H_{86}O_{10}$).



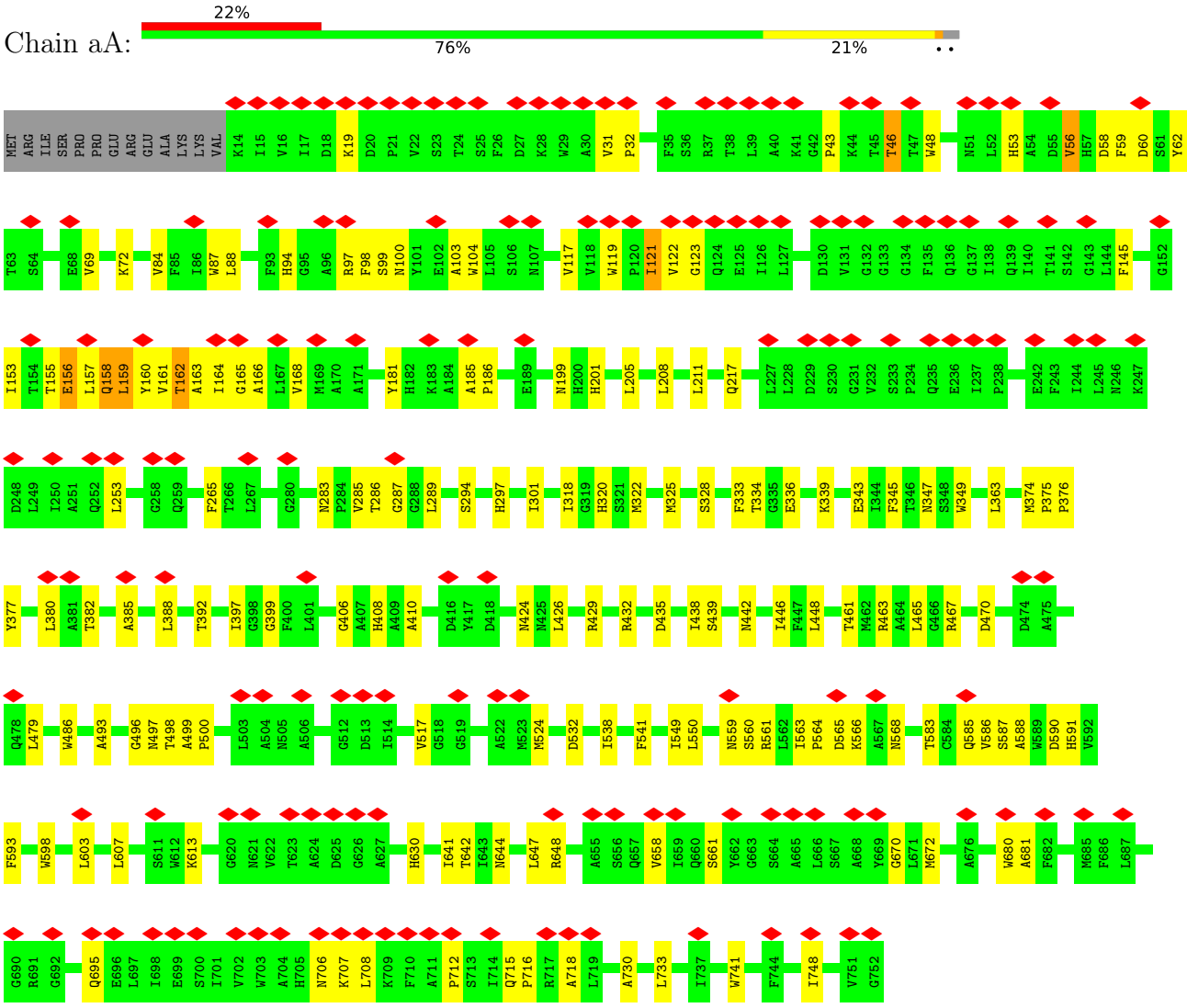
Mol	Chain	Residues	Atoms			AltConf
18	aB	1	Total	C	O	0
			55	45	10	
18	bB	1	Total	C	O	0
			55	45	10	
18	cB	1	Total	C	O	0
			55	45	10	
18	dB	1	Total	C	O	0
			55	45	10	

3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

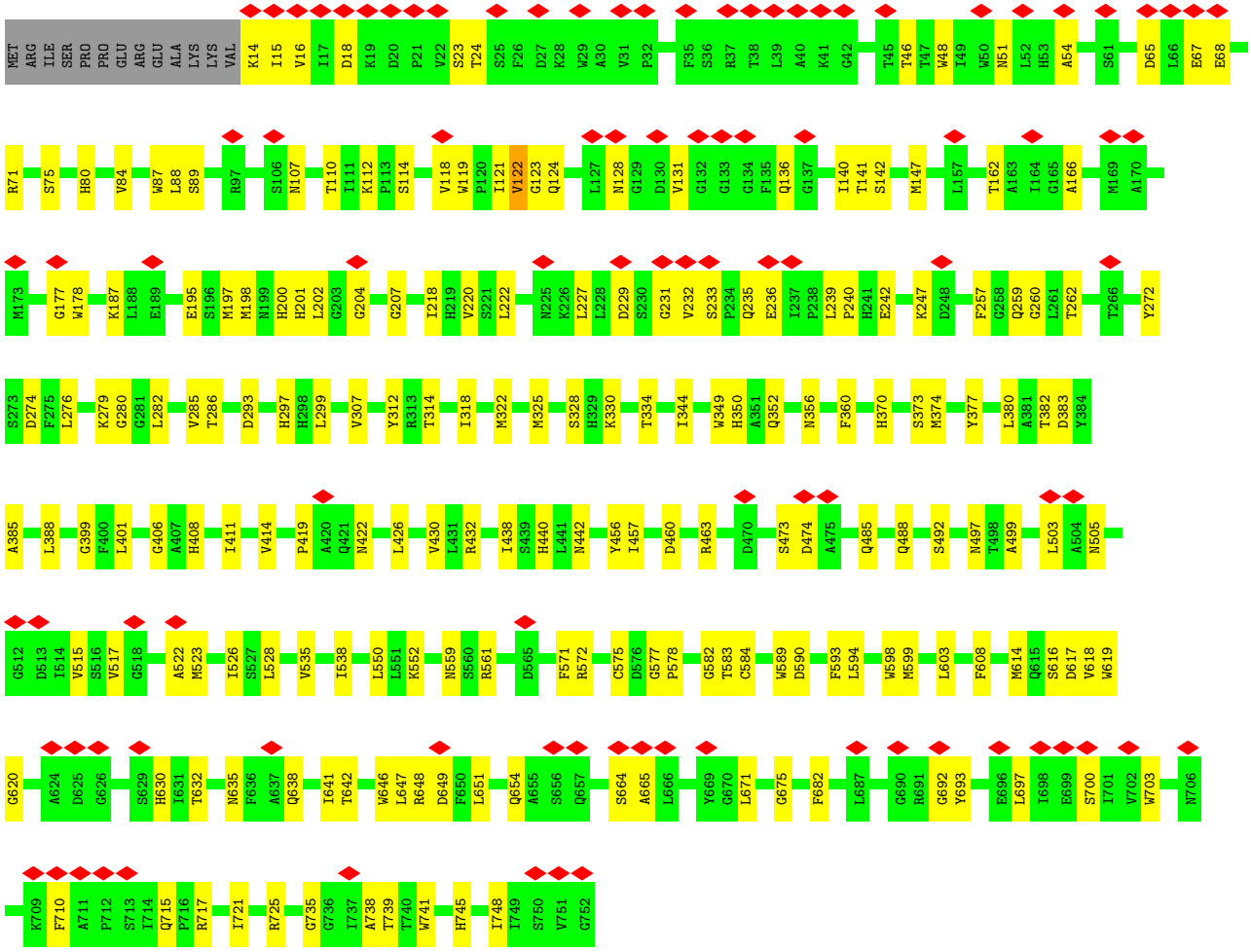
Chain aA:



• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain bA:

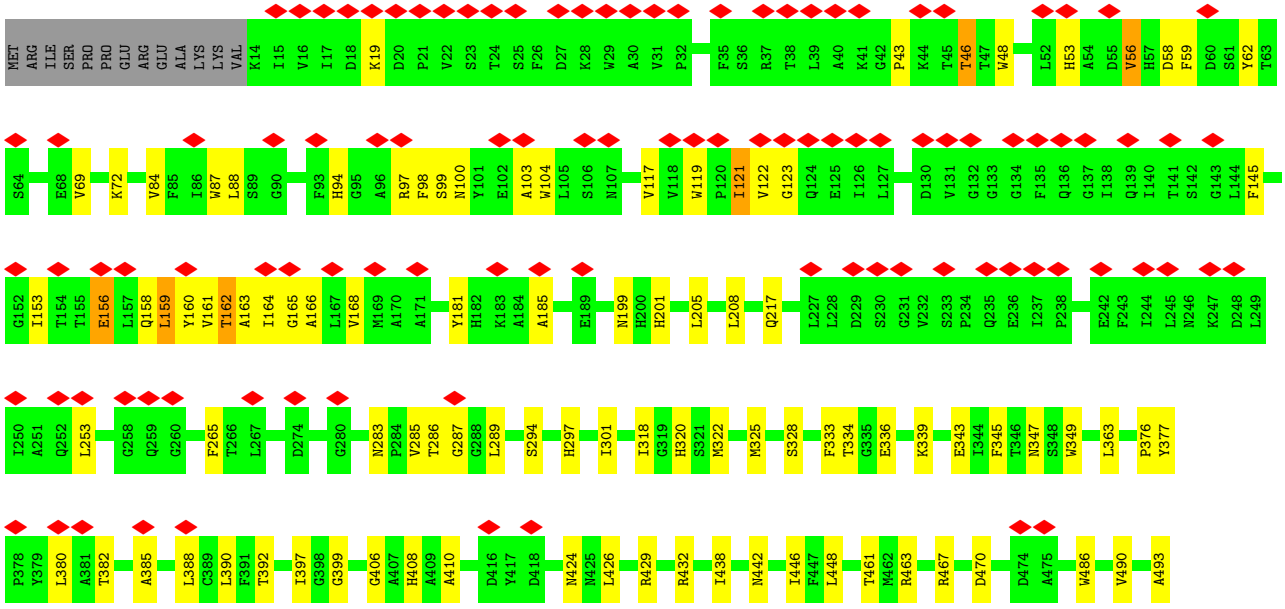


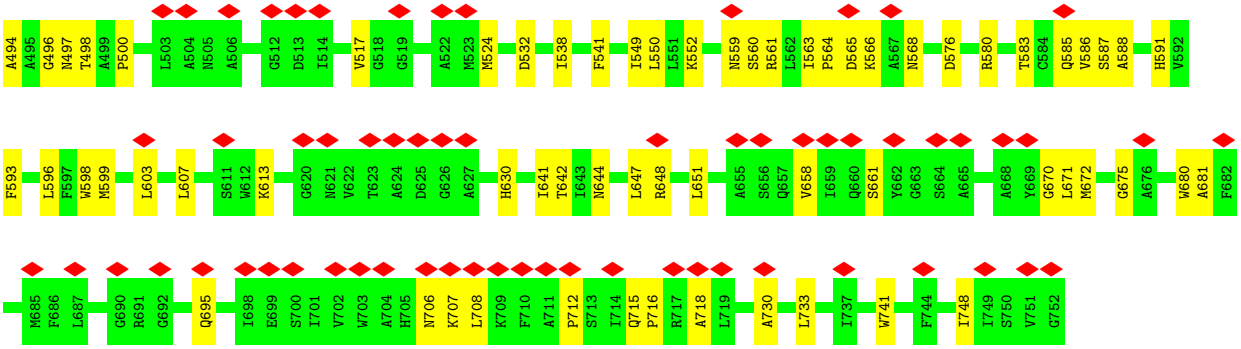


• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain cA:



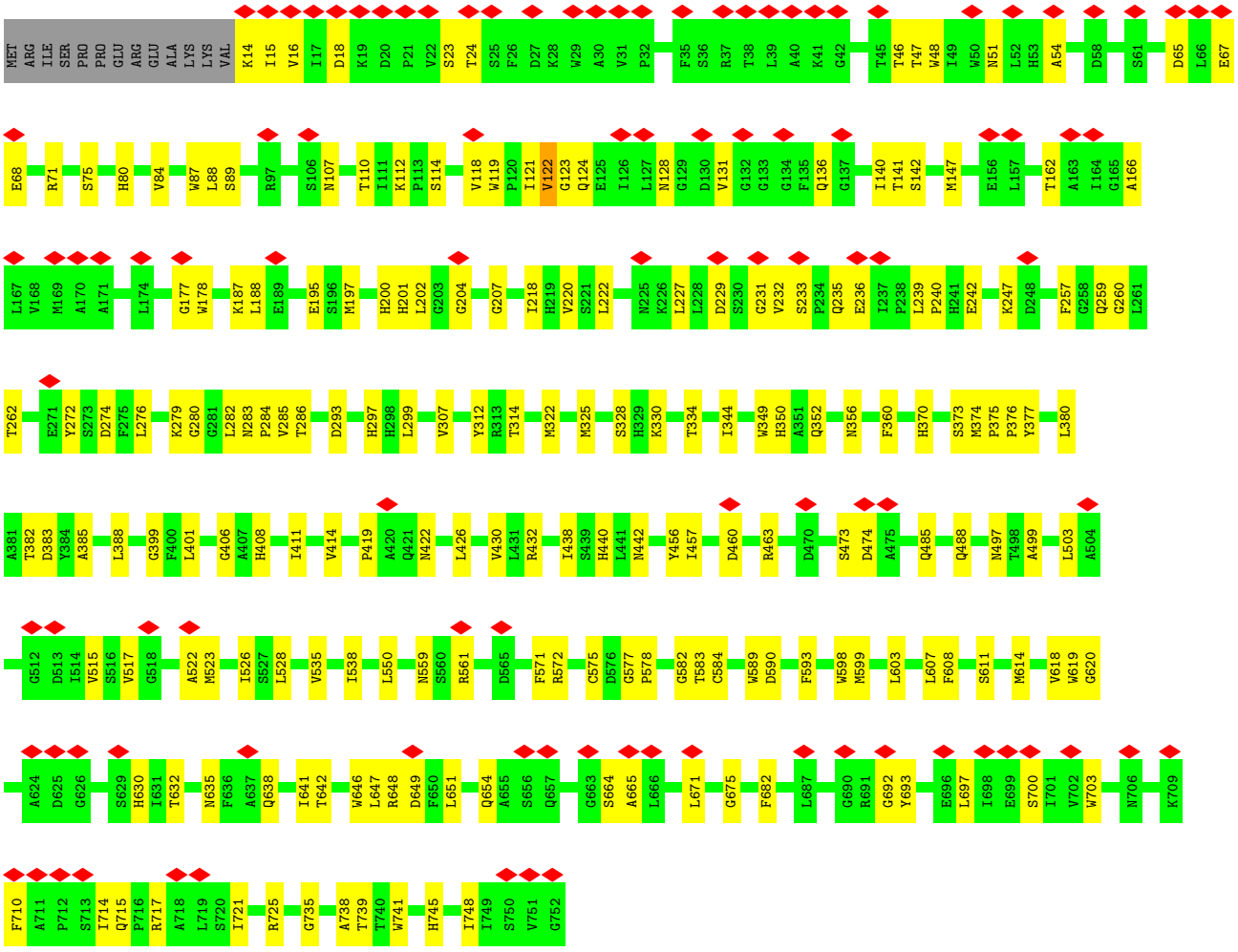




• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain dA:

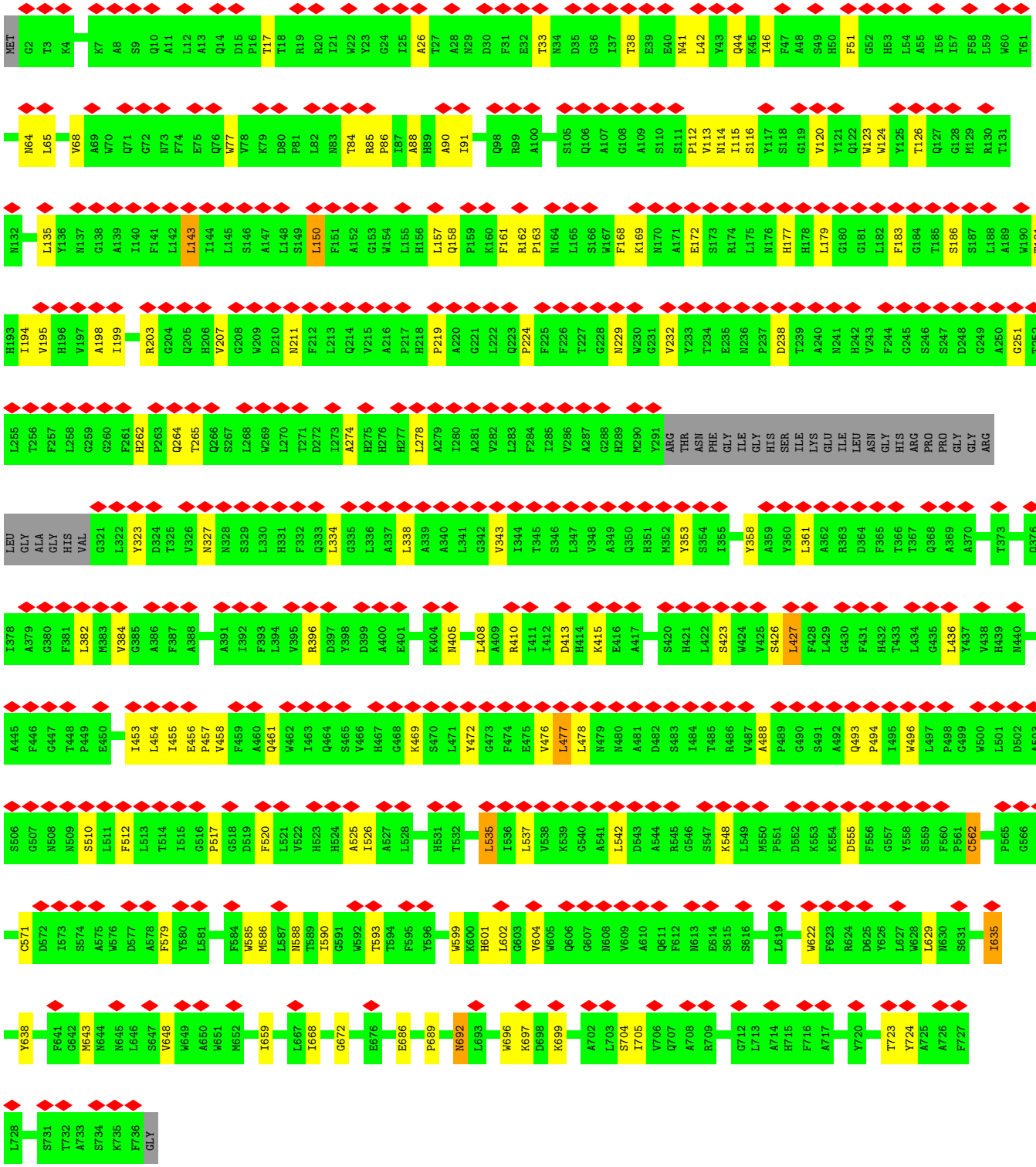




• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain aB:

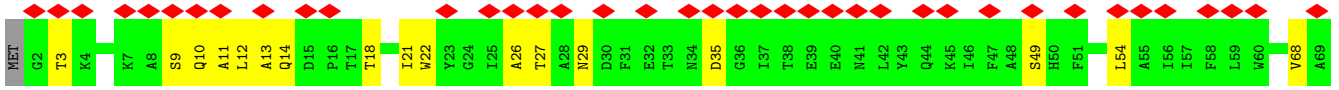


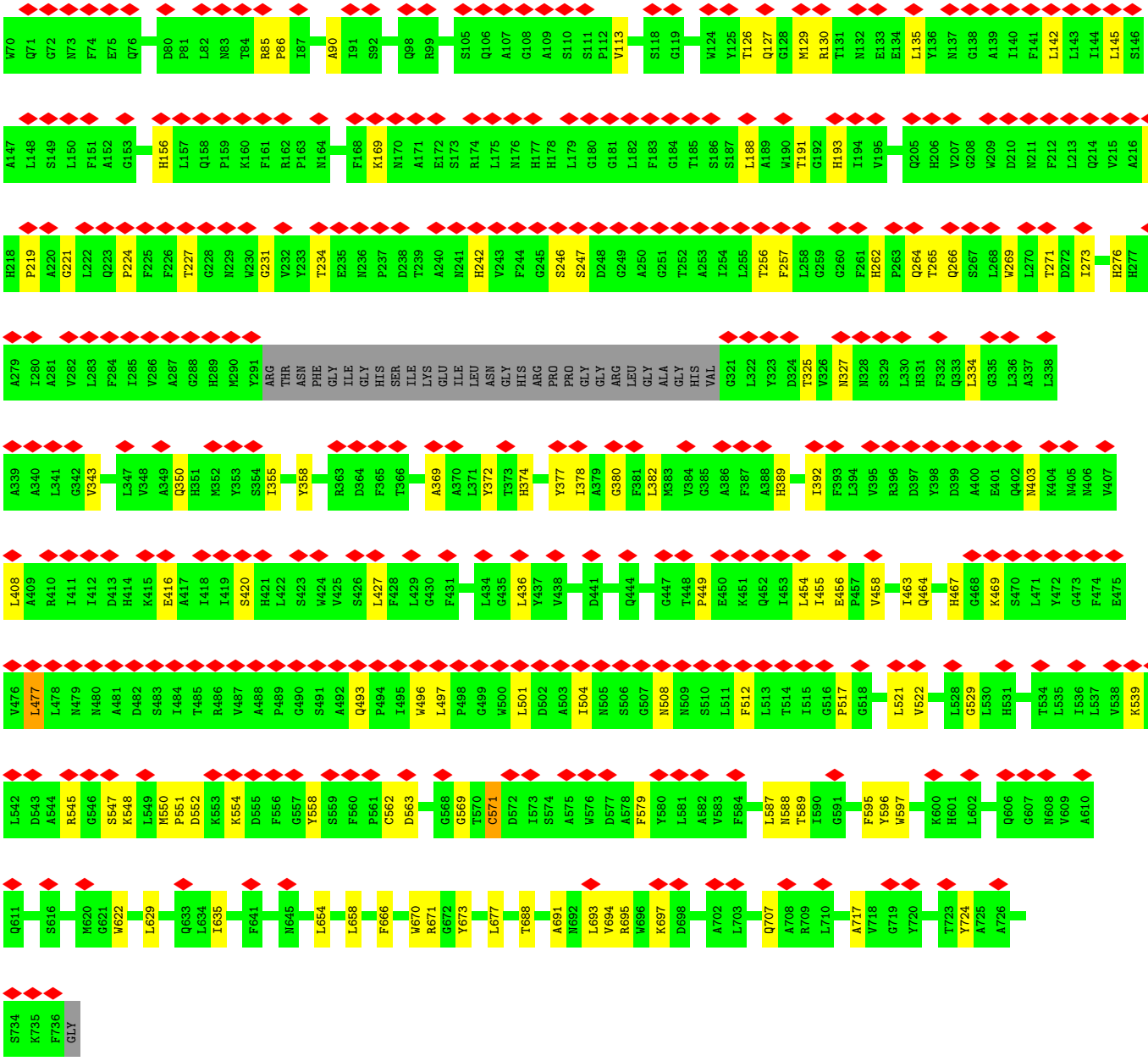


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain bB:



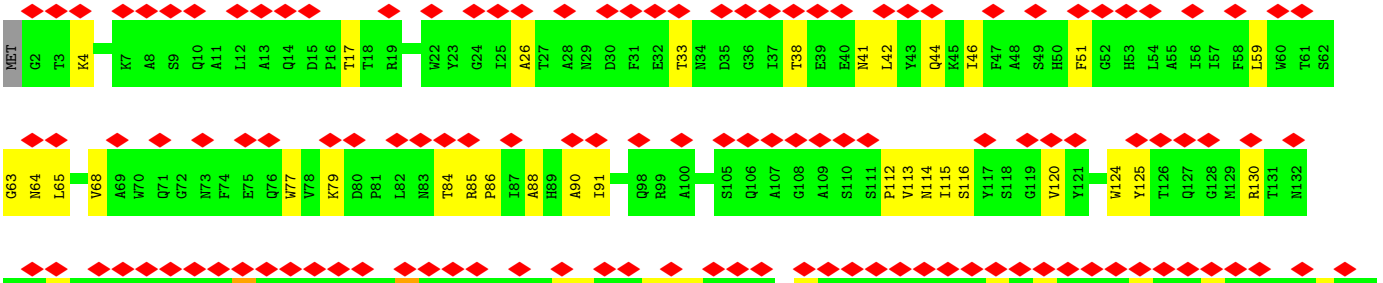


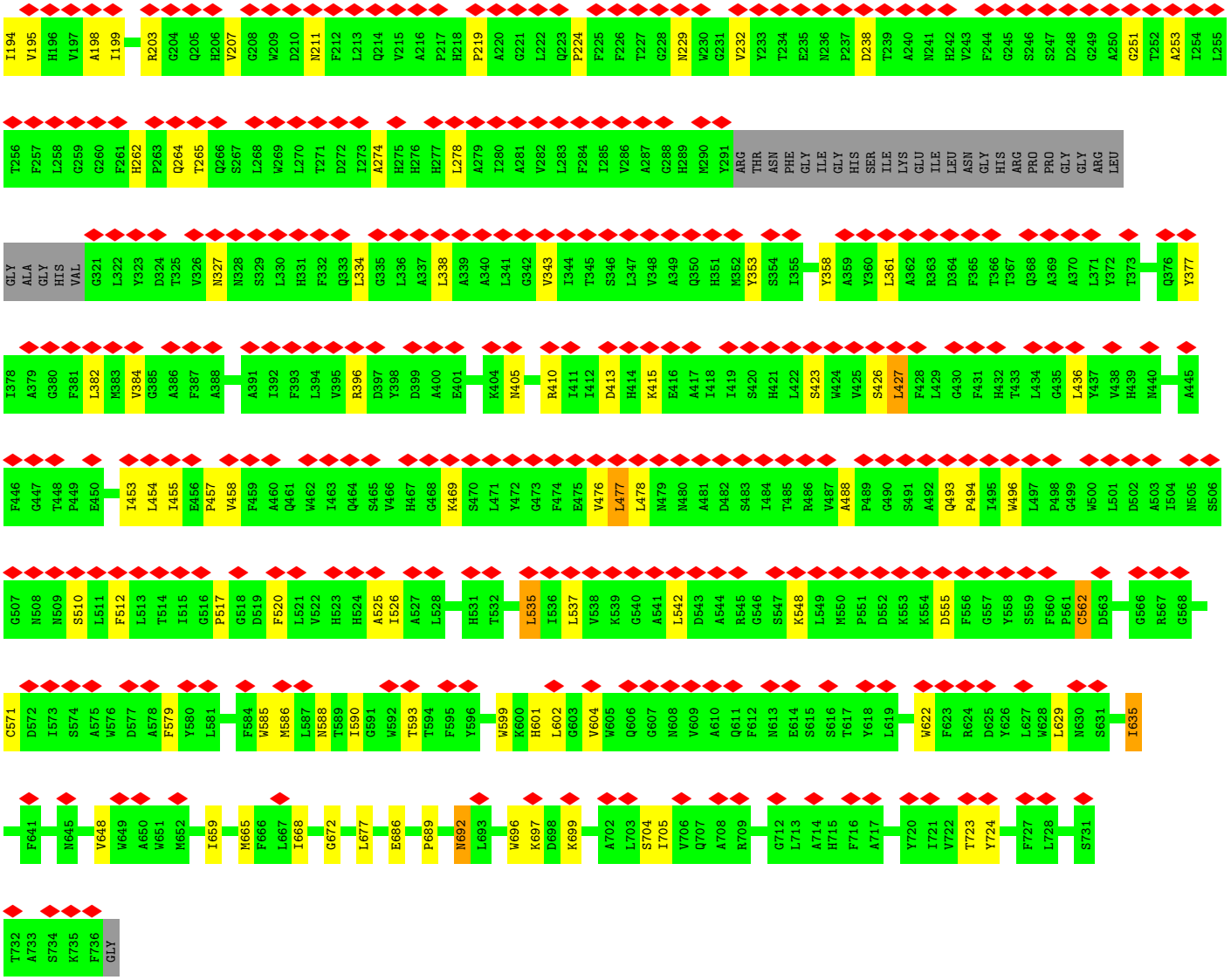


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain cB:



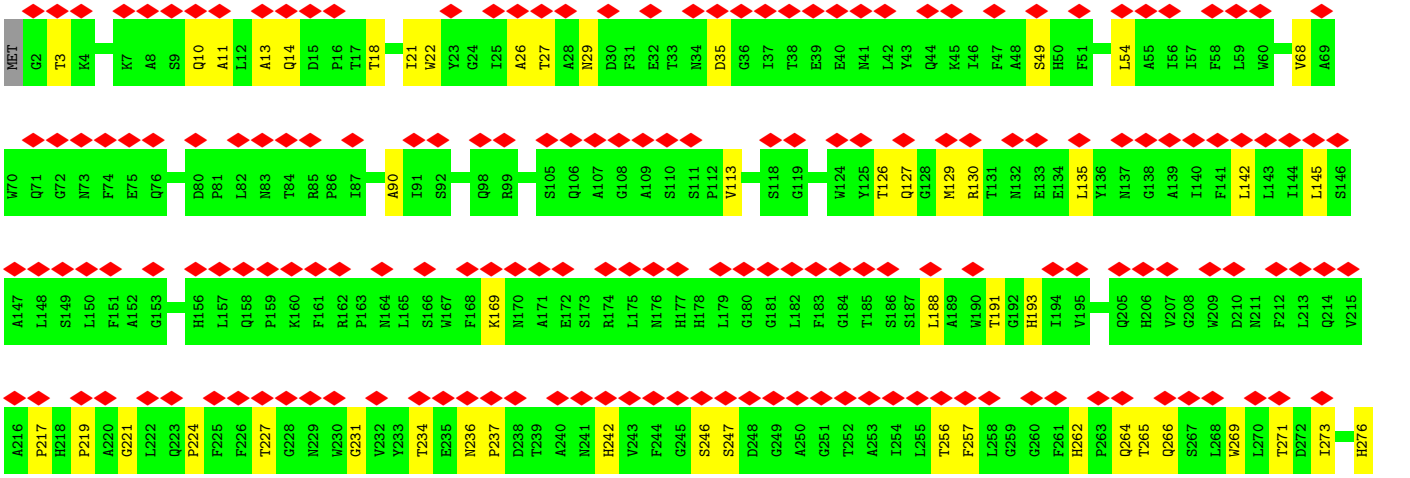


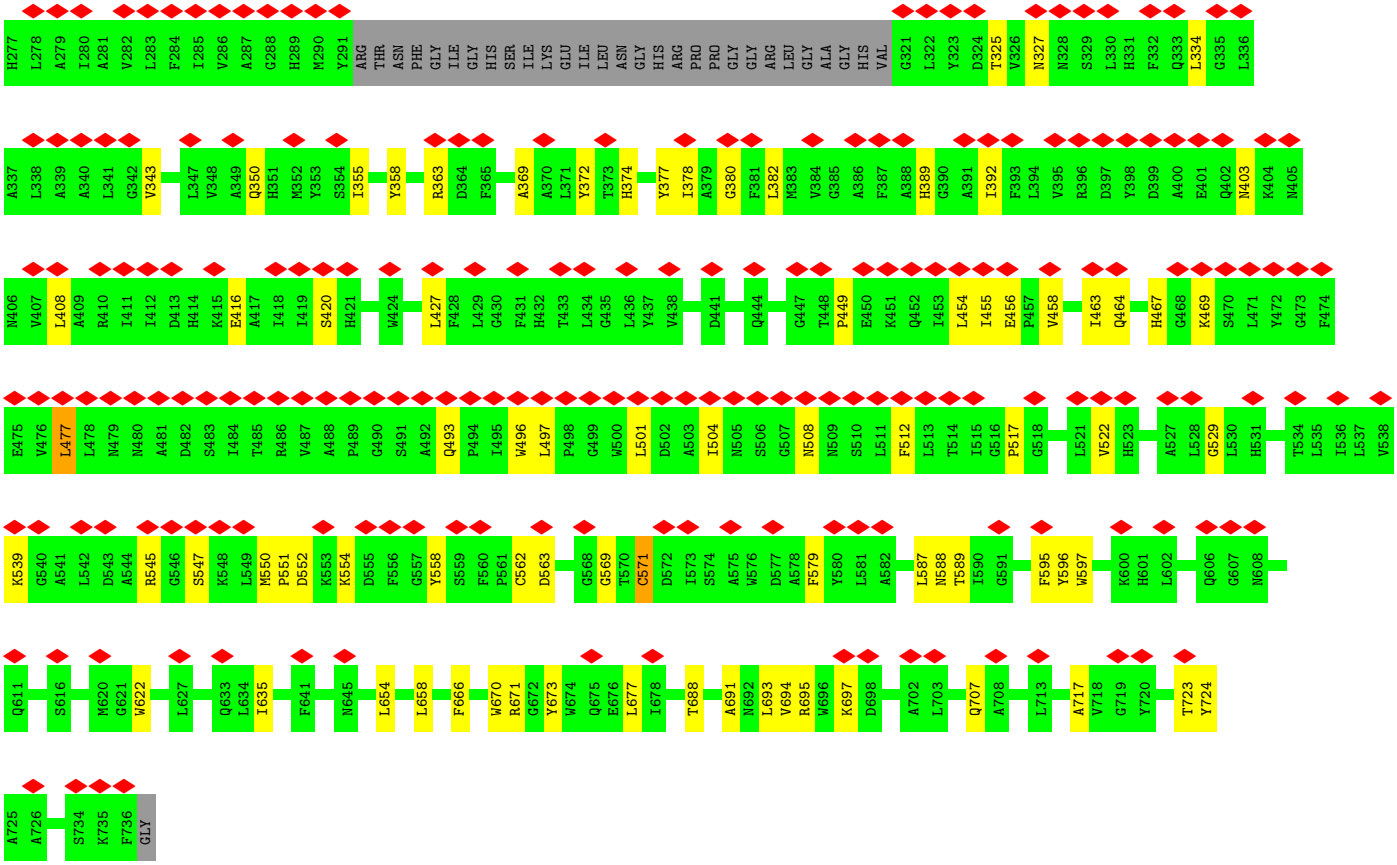


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

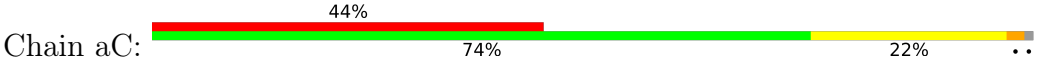
Chain dB:

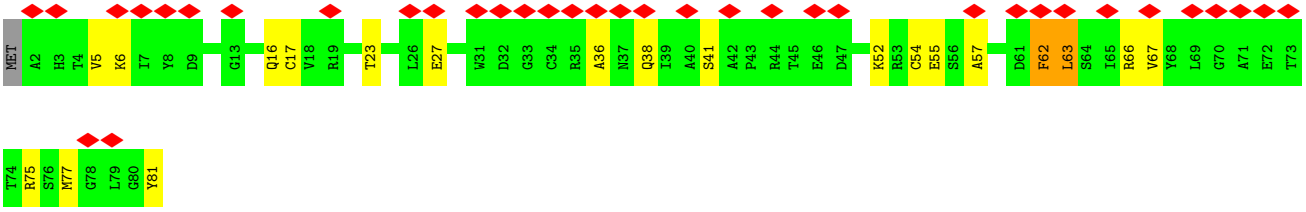




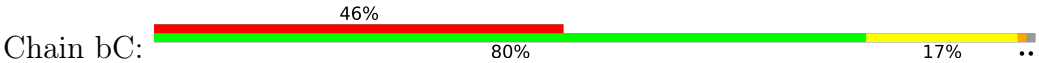


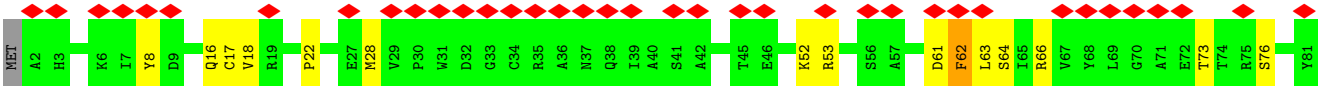
• Molecule 3: Photosystem I iron-sulfur center



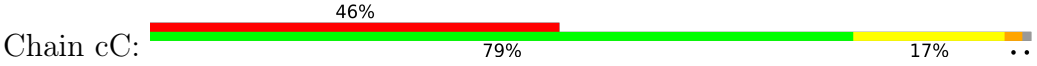


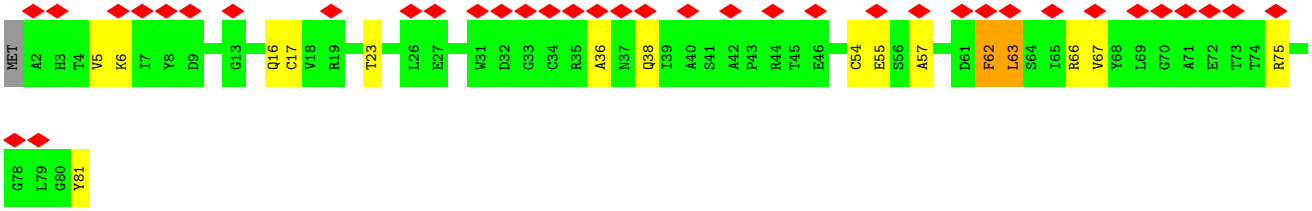
• Molecule 3: Photosystem I iron-sulfur center



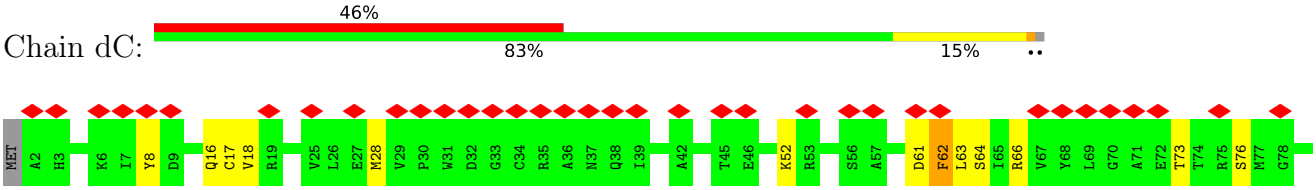


• Molecule 3: Photosystem I iron-sulfur center

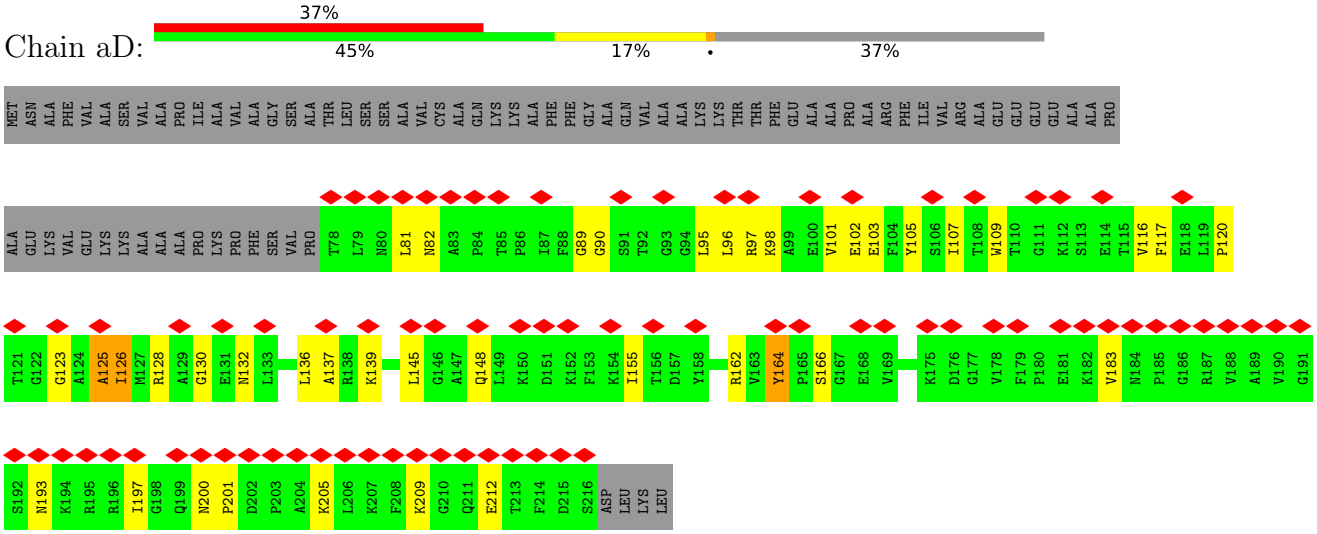




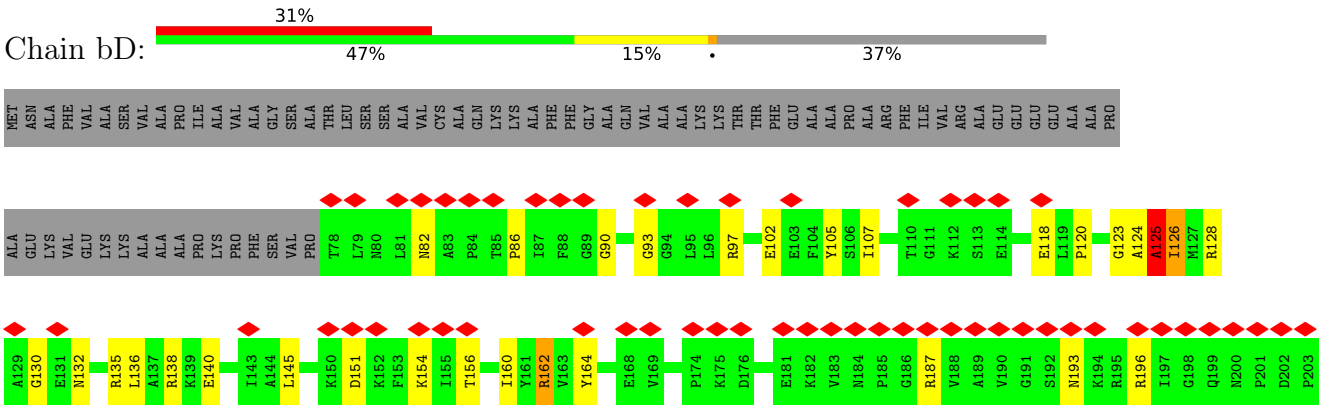
• Molecule 3: Photosystem I iron-sulfur center

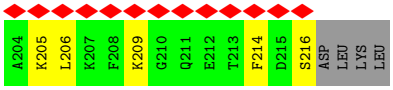


• Molecule 4: Photosystem I reaction center subunit II, cyanelle



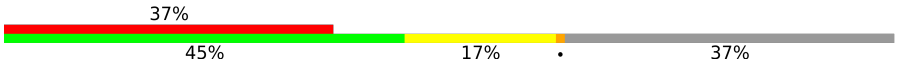
• Molecule 4: Photosystem I reaction center subunit II, cyanelle

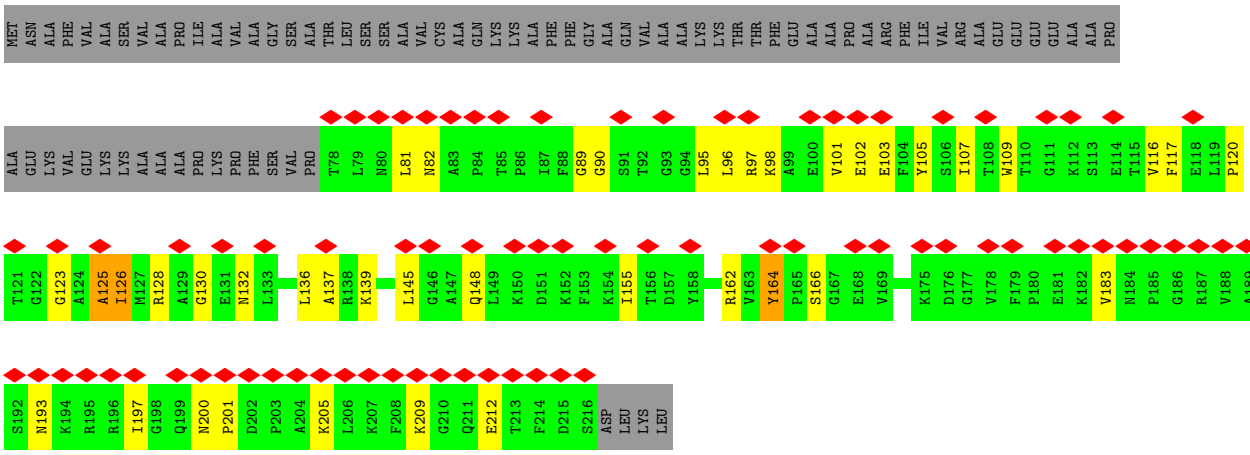




• Molecule 4: Photosystem I reaction center subunit II, cyanelle

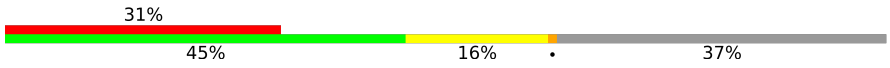
Chain cD:

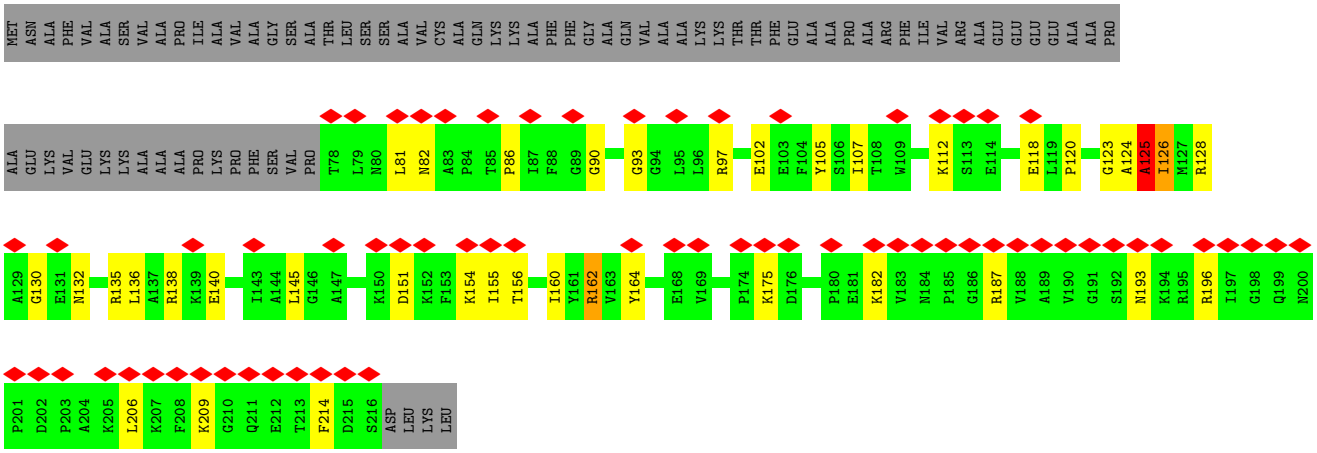




• Molecule 4: Photosystem I reaction center subunit II, cyanelle

Chain dD:

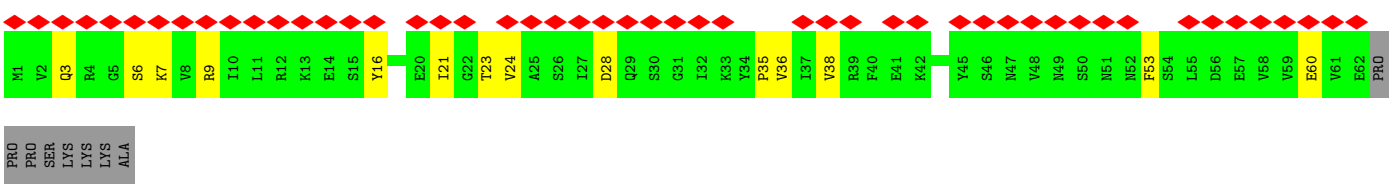




• Molecule 5: Photosystem I reaction center subunit IV

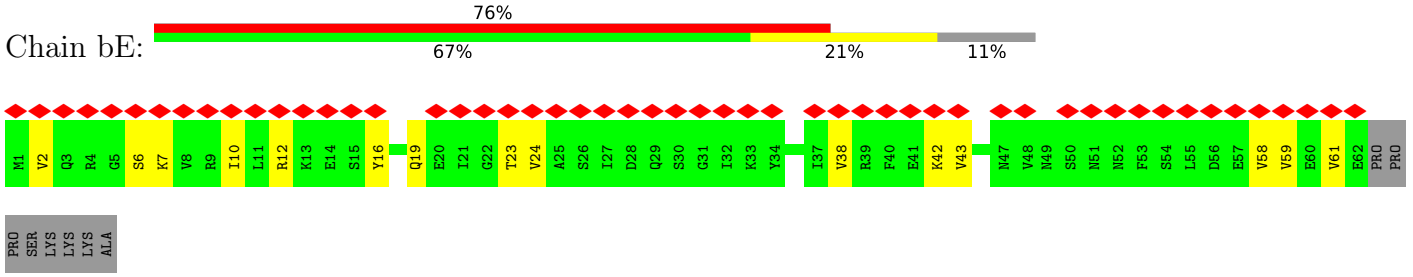
Chain aE:





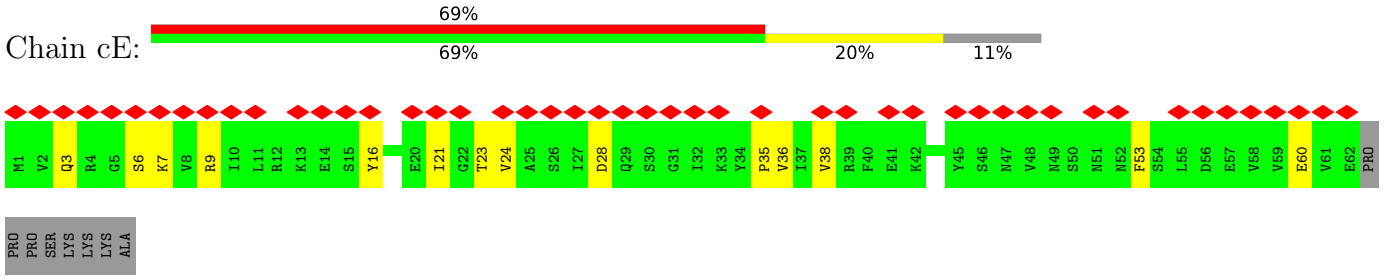
• Molecule 5: Photosystem I reaction center subunit IV

Chain bE:



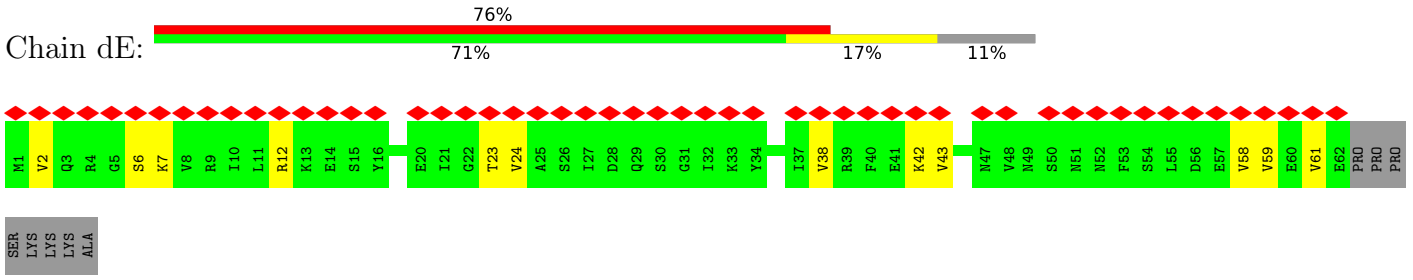
• Molecule 5: Photosystem I reaction center subunit IV

Chain cE:



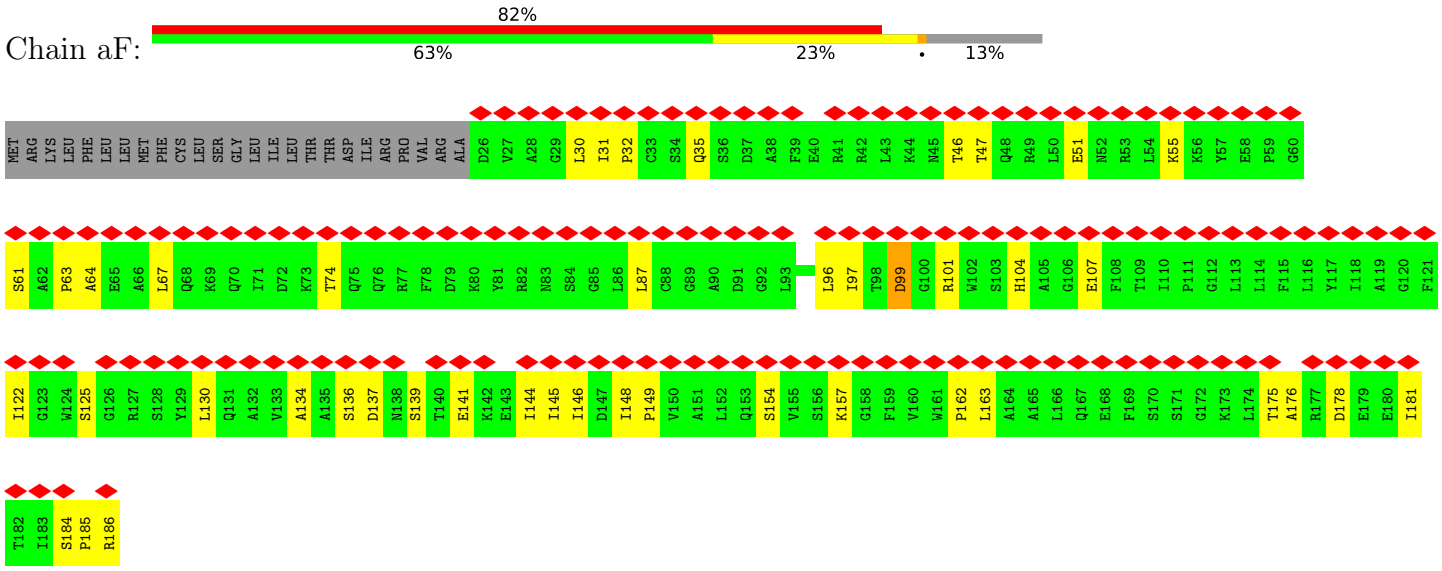
• Molecule 5: Photosystem I reaction center subunit IV

Chain dE:



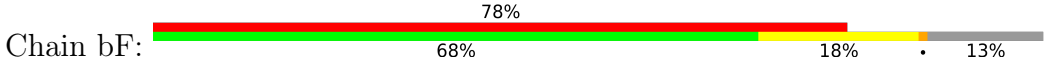
• Molecule 6: Photosystem I reaction center subunit III

Chain aF:



• Molecule 6: Photosystem I reaction center subunit III

Chain bF:





• Molecule 6: Photosystem I reaction center subunit III

Chain cF:





• Molecule 6: Photosystem I reaction center subunit III

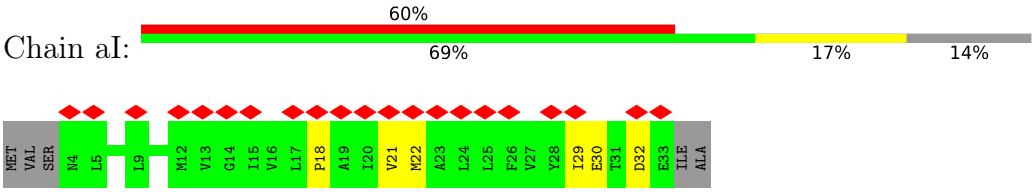
Chain dF:





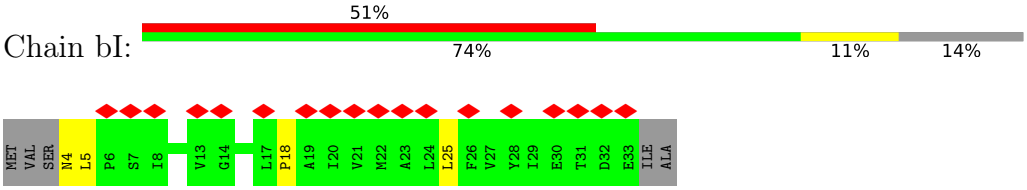
• Molecule 7: Photosystem I reaction center subunit VIII

Chain aI:



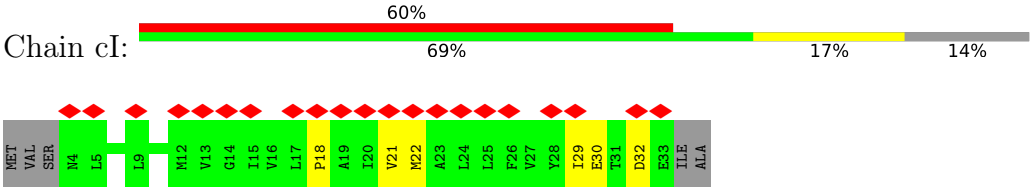
• Molecule 7: Photosystem I reaction center subunit VIII

Chain bI:



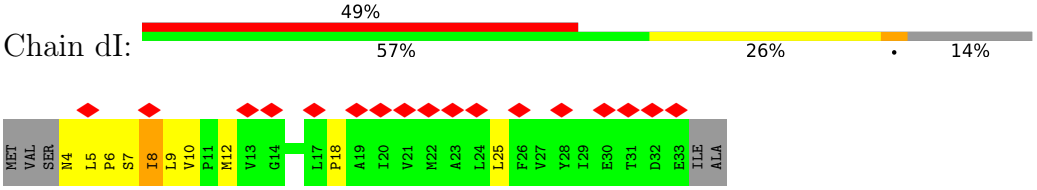
• Molecule 7: Photosystem I reaction center subunit VIII

Chain cI:



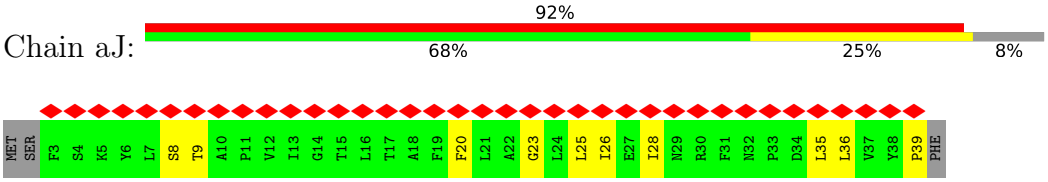
• Molecule 7: Photosystem I reaction center subunit VIII

Chain dI:



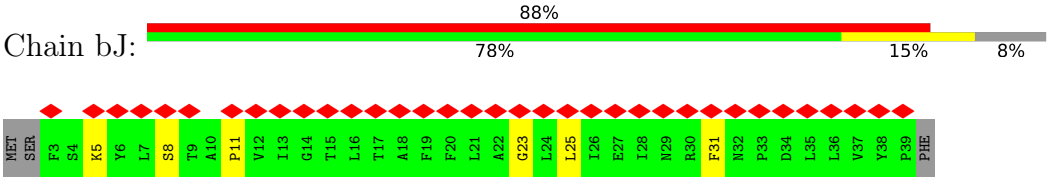
• Molecule 8: Photosystem I reaction center subunit IX

Chain aJ:



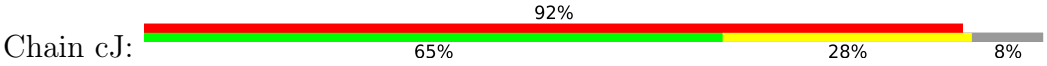
• Molecule 8: Photosystem I reaction center subunit IX

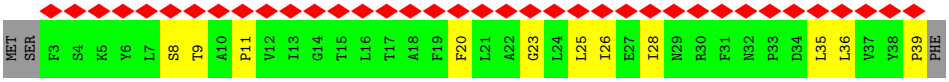
Chain bJ:



• Molecule 8: Photosystem I reaction center subunit IX

Chain cJ:

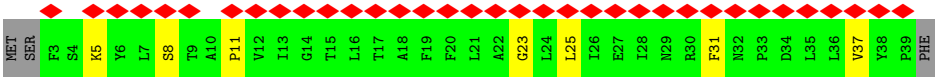




• Molecule 8: Photosystem I reaction center subunit IX

Chain dJ:

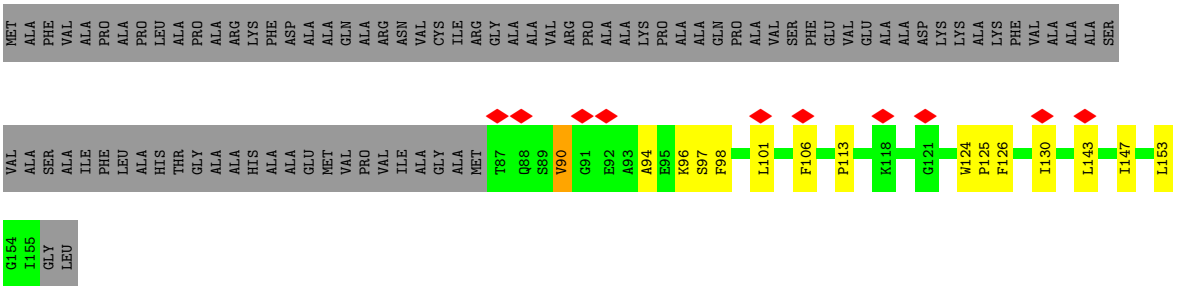




• Molecule 9: Photosystem I reaction center subunit PsaK 1

Chain aK:

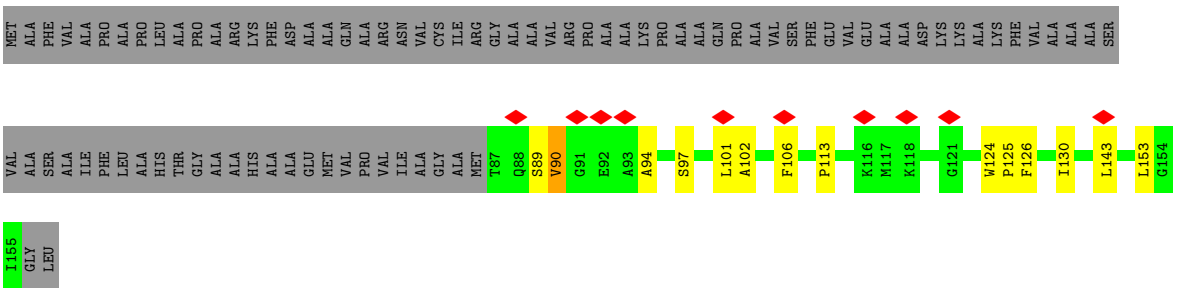




• Molecule 9: Photosystem I reaction center subunit PsaK 1

Chain cK:

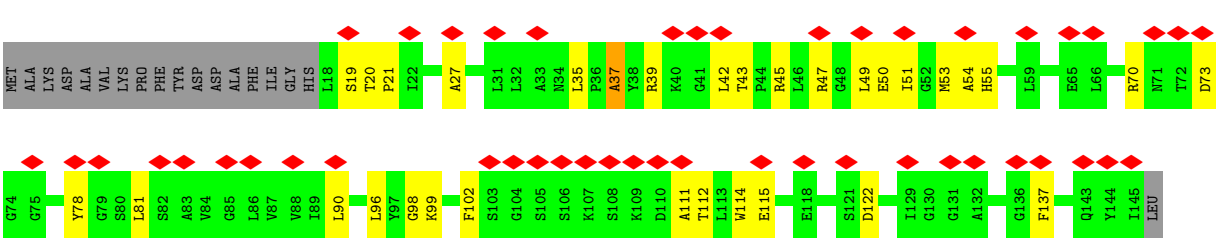




• Molecule 10: Photosystem I reaction center subunit XI

Chain aL:

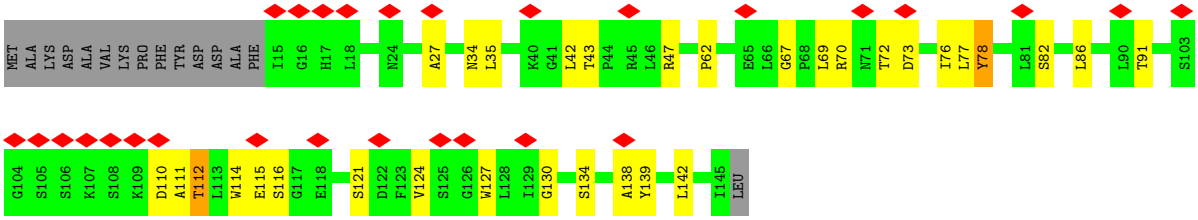




• Molecule 10: Photosystem I reaction center subunit XI

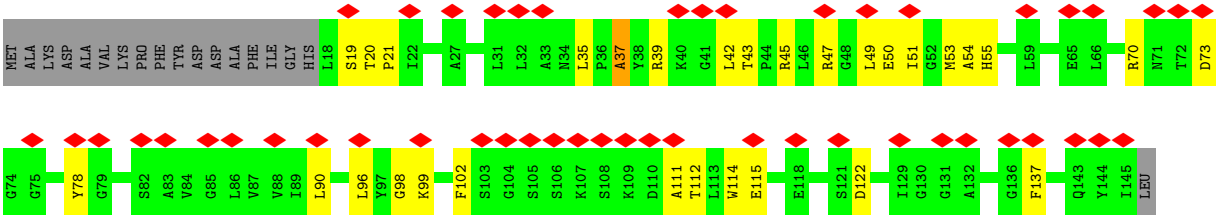
Chain bL:





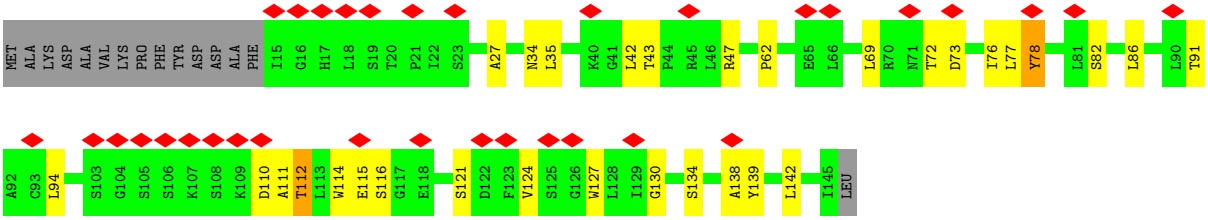
• Molecule 10: Photosystem I reaction center subunit XI



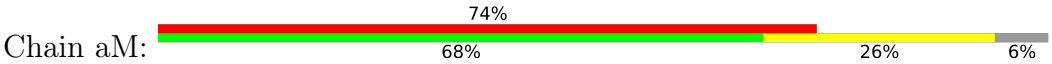


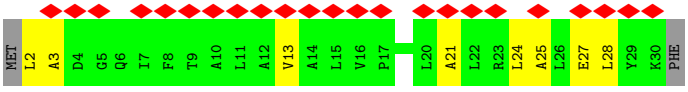
• Molecule 10: Photosystem I reaction center subunit XI



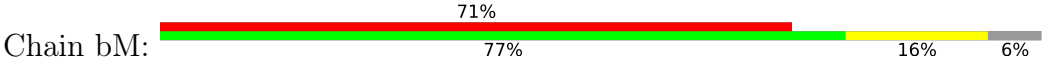


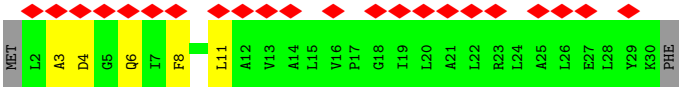
• Molecule 11: Photosystem I reaction center subunit XII



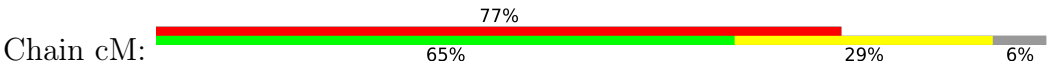


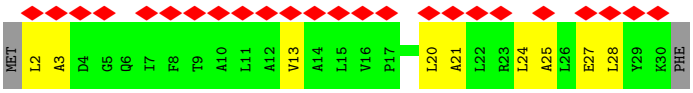
• Molecule 11: Photosystem I reaction center subunit XII



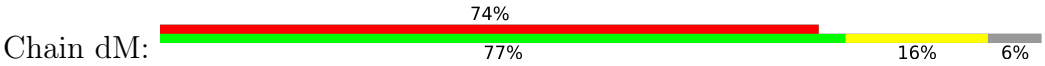


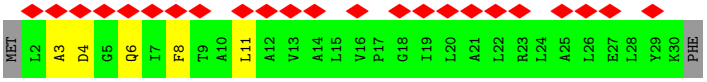
• Molecule 11: Photosystem I reaction center subunit XII





• Molecule 11: Photosystem I reaction center subunit XII





4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	40679	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TALOS ARCTICA	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/Å^2$)	50	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	FEI FALCON III (4k x 4k)	Depositor
Maximum map value	0.220	Depositor
Minimum map value	-0.104	Depositor
Average map value	0.001	Depositor
Map value standard deviation	0.006	Depositor
Recommended contour level	0.05	Depositor
Map size (Å)	450.316, 450.316, 450.316	wwPDB
Map dimensions	412, 412, 412	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.093, 1.093, 1.093	Depositor

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: LMG, CLA, CL0, BCR, SF4, LHG, PQN

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|>5$	RMSZ	#$\|Z\|>5$
1	aA	0.33	0/6000	0.58	2/8177 (0.0%)
1	bA	0.42	0/6000	0.57	0/8177
1	cA	0.33	0/6000	0.58	2/8177 (0.0%)
1	dA	0.42	0/6000	0.57	0/8177
2	aB	0.34	0/5820	0.92	5/7955 (0.1%)
2	bB	0.37	0/5820	0.83	3/7955 (0.0%)
2	cB	0.34	0/5820	0.92	5/7955 (0.1%)
2	dB	0.37	0/5820	0.83	3/7955 (0.0%)
3	aC	0.37	0/611	1.07	2/828 (0.2%)
3	bC	0.39	0/611	0.96	4/828 (0.5%)
3	cC	0.37	0/611	1.07	2/828 (0.2%)
3	dC	0.39	0/611	0.96	4/828 (0.5%)
4	aD	0.31	0/1105	0.91	7/1489 (0.5%)
4	bD	0.32	0/1105	0.86	4/1489 (0.3%)
4	cD	0.31	0/1105	0.90	7/1489 (0.5%)
4	dD	0.32	0/1105	0.86	4/1489 (0.3%)
5	aE	0.24	0/516	0.60	0/696
5	bE	0.27	0/516	0.57	0/696
5	cE	0.24	0/516	0.60	0/696
5	dE	0.27	0/516	0.57	0/696
6	aF	0.25	0/1281	0.63	0/1733
6	bF	0.26	0/1281	0.61	1/1733 (0.1%)
6	cF	0.25	0/1281	0.63	0/1733
6	dF	0.26	0/1281	0.61	1/1733 (0.1%)
7	aI	0.31	0/232	0.83	0/319
7	bI	0.53	0/232	0.80	0/319
7	cI	0.31	0/232	0.83	0/319
7	dI	0.54	0/232	0.83	0/319
8	aJ	0.23	0/300	0.54	0/410
8	bJ	0.28	0/300	0.62	0/410
8	cJ	0.23	0/300	0.54	0/410
8	dJ	0.28	0/300	0.62	0/410

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
9	aK	0.38	0/502	0.63	0/682
9	cK	0.38	0/502	0.64	0/682
10	aL	0.26	0/965	0.75	5/1311 (0.4%)
10	bL	0.38	0/988	0.73	2/1342 (0.1%)
10	cL	0.26	0/965	0.75	5/1311 (0.4%)
10	dL	0.41	0/988	0.74	2/1342 (0.1%)
11	aM	0.21	0/217	0.61	0/295
11	bM	0.29	0/217	0.61	0/295
11	cM	0.21	0/217	0.61	0/295
11	dM	0.29	0/217	0.61	0/295
All	All	0.35	0/69238	0.74	70/94278 (0.1%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand.A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
1	aA	0	2
1	cA	0	2
2	aB	0	2
2	bB	0	1
2	cB	0	2
2	dB	0	1
4	aD	0	3
4	bD	0	6
4	cD	0	3
4	dD	0	6
6	aF	0	1
6	bF	0	1
6	cF	0	1
6	dF	0	1
10	aL	0	1
10	cL	0	1
All	All	0	34

There are no bond length outliers.

All (70) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	aD	130	GLY	CA-C-N	7.55	135.29	121.70
4	aD	130	GLY	C-N-CA	7.55	135.29	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	cD	130	GLY	CA-C-N	7.55	135.28	121.70
4	cD	130	GLY	C-N-CA	7.55	135.28	121.70
3	aC	62	PHE	CA-C-N	7.00	134.92	121.54
3	aC	62	PHE	C-N-CA	7.00	134.92	121.54
3	cC	62	PHE	CA-C-N	6.99	134.90	121.54
3	cC	62	PHE	C-N-CA	6.99	134.90	121.54
4	aD	212	GLU	CA-C-N	6.71	130.17	120.38
4	aD	212	GLU	C-N-CA	6.71	130.17	120.38
10	aL	37	ALA	N-CA-C	-6.51	106.29	114.56
10	cL	37	ALA	N-CA-C	-6.49	106.32	114.56
6	bF	160	VAL	N-CA-C	-6.27	105.25	111.77
6	dF	160	VAL	N-CA-C	-6.26	105.26	111.77
2	aB	535	LEU	CA-CB-CG	6.20	138.01	116.30
2	cB	535	LEU	CA-CB-CG	6.20	137.98	116.30
4	dD	125	ALA	CA-C-N	6.17	133.08	121.97
4	dD	125	ALA	C-N-CA	6.17	133.08	121.97
4	bD	125	ALA	CA-C-N	6.17	133.07	121.97
4	bD	125	ALA	C-N-CA	6.17	133.07	121.97
3	dC	62	PHE	CA-C-N	6.13	133.25	121.54
3	dC	62	PHE	C-N-CA	6.13	133.25	121.54
3	bC	62	PHE	CA-C-N	6.12	133.24	121.54
3	bC	62	PHE	C-N-CA	6.12	133.24	121.54
10	bL	73	ASP	CA-C-N	6.07	132.62	121.70
10	bL	73	ASP	C-N-CA	6.07	132.62	121.70
10	dL	73	ASP	CA-C-N	6.06	132.60	121.70
10	dL	73	ASP	C-N-CA	6.06	132.60	121.70
4	cD	125	ALA	CA-C-N	6.02	132.81	121.97
4	cD	125	ALA	C-N-CA	6.02	132.81	121.97
4	aD	125	ALA	CA-C-N	6.01	132.79	121.97
4	aD	125	ALA	C-N-CA	6.01	132.79	121.97
1	cA	19	LYS	CA-C-N	5.96	131.42	124.21
1	cA	19	LYS	C-N-CA	5.96	131.42	124.21
1	aA	19	LYS	CA-C-N	5.96	131.42	124.21
1	aA	19	LYS	C-N-CA	5.96	131.42	124.21
10	cL	73	ASP	CA-C-N	5.92	132.35	121.70
10	cL	73	ASP	C-N-CA	5.92	132.35	121.70
4	cD	212	GLU	CA-C-N	5.90	130.13	120.63
4	cD	212	GLU	C-N-CA	5.90	130.13	120.63
10	aL	73	ASP	CA-C-N	5.88	132.29	121.70
10	aL	73	ASP	C-N-CA	5.88	132.29	121.70
4	aD	197	ILE	N-CA-C	-5.85	106.57	113.42
2	cB	692	ASN	CA-C-N	5.83	128.90	120.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	cB	692	ASN	C-N-CA	5.83	128.90	120.38
4	cD	197	ILE	N-CA-C	-5.83	106.60	113.42
2	aB	692	ASN	CA-C-N	5.79	128.84	120.38
2	aB	692	ASN	C-N-CA	5.79	128.84	120.38
2	dB	221	GLY	CA-C-N	5.73	132.49	121.54
2	dB	221	GLY	C-N-CA	5.73	132.49	121.54
2	bB	221	GLY	CA-C-N	5.71	132.45	121.54
2	bB	221	GLY	C-N-CA	5.71	132.45	121.54
2	aB	496	TRP	CA-C-N	5.67	128.06	120.58
2	aB	496	TRP	C-N-CA	5.67	128.06	120.58
2	cB	496	TRP	CA-C-N	5.66	128.05	120.58
2	cB	496	TRP	C-N-CA	5.66	128.05	120.58
3	bC	61	ASP	CA-C-N	5.61	132.26	121.54
3	bC	61	ASP	C-N-CA	5.61	132.26	121.54
3	dC	61	ASP	CA-C-N	5.61	132.25	121.54
3	dC	61	ASP	C-N-CA	5.61	132.25	121.54
10	cL	19	SER	CA-C-N	5.59	135.44	121.80
10	cL	19	SER	C-N-CA	5.59	135.44	121.80
10	aL	19	SER	CA-C-N	5.59	135.43	121.80
10	aL	19	SER	C-N-CA	5.59	135.43	121.80
4	dD	130	GLY	CA-C-N	5.36	131.34	121.70
4	dD	130	GLY	C-N-CA	5.36	131.34	121.70
4	bD	130	GLY	CA-C-N	5.33	131.29	121.70
4	bD	130	GLY	C-N-CA	5.33	131.29	121.70
2	bB	671	ARG	N-CA-C	5.18	119.87	111.37
2	dB	671	ARG	N-CA-C	5.17	119.84	111.37

There are no chirality outliers.

All (34) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	aA	121	ILE	Peptide
1	aA	328	SER	Peptide
2	aB	478	LEU	Peptide
2	aB	493	GLN	Peptide
4	aD	123	GLY	Peptide
4	aD	125	ALA	Peptide
4	aD	164	TYR	Peptide
6	aF	99	ASP	Peptide
10	aL	20	THR	Peptide
2	bB	493	GLN	Peptide
4	bD	102	GLU	Peptide

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Mol	Chain	Res	Type	Group
4	bD	123	GLY	Peptide
4	bD	124	ALA	Peptide
4	bD	125	ALA	Peptide
4	bD	162	ARG	Peptide
4	bD	164	TYR	Peptide
6	bF	99	ASP	Peptide
1	cA	121	ILE	Peptide
1	cA	328	SER	Peptide
2	cB	478	LEU	Peptide
2	cB	493	GLN	Peptide
4	cD	123	GLY	Peptide
4	cD	125	ALA	Peptide
4	cD	164	TYR	Peptide
6	cF	99	ASP	Peptide
10	cL	20	THR	Peptide
2	dB	493	GLN	Peptide
4	dD	102	GLU	Peptide
4	dD	123	GLY	Peptide
4	dD	124	ALA	Peptide
4	dD	125	ALA	Peptide
4	dD	162	ARG	Peptide
4	dD	164	TYR	Peptide
6	dF	99	ASP	Peptide

5.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	aA	5803	0	5621	137	0
1	bA	5803	0	5621	147	0
1	cA	5803	0	5621	143	0
1	dA	5803	0	5621	150	0
2	aB	5622	0	5406	96	0
2	bB	5622	0	5406	92	0
2	cB	5622	0	5406	95	0
2	dB	5622	0	5406	89	0
3	aC	601	0	576	17	0
3	bC	601	0	576	9	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	cC	601	0	576	14	0
3	dC	601	0	576	8	0
4	aD	1082	0	1099	27	0
4	bD	1082	0	1099	22	0
4	cD	1082	0	1099	27	0
4	dD	1082	0	1099	24	0
5	aE	508	0	507	8	0
5	bE	508	0	507	10	0
5	cE	508	0	507	8	0
5	dE	508	0	507	8	0
6	aF	1255	0	1249	32	0
6	bF	1255	0	1249	23	0
6	cF	1255	0	1249	32	0
6	dF	1255	0	1249	25	0
7	aI	228	0	247	5	0
7	bI	228	0	247	3	0
7	cI	228	0	247	6	0
7	dI	228	0	247	5	0
8	aJ	292	0	302	10	0
8	bJ	292	0	302	5	0
8	cJ	292	0	302	11	0
8	dJ	292	0	302	6	0
9	aK	490	0	502	41	0
9	cK	490	0	502	36	0
10	aL	943	0	949	26	0
10	bL	965	0	970	26	0
10	cL	943	0	949	24	0
10	dL	965	0	970	24	0
11	aM	215	0	239	6	0
11	bM	215	0	239	5	0
11	cM	215	0	239	7	0
11	dM	215	0	239	5	0
12	aA	65	0	72	4	0
12	bA	65	0	72	2	0
12	cA	65	0	72	4	0
12	dA	65	0	72	2	0
13	aA	2390	0	2321	115	0
13	aB	1945	0	1960	93	0
13	aF	96	0	74	6	0
13	aJ	45	0	33	2	0
13	aK	132	0	93	18	0
13	aL	152	0	134	6	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
13	bA	2421	0	2320	115	0
13	bB	1835	0	1855	84	0
13	bF	96	0	74	1	0
13	bJ	45	0	33	2	0
13	bL	117	0	115	14	0
13	cA	2390	0	2321	102	0
13	cB	1945	0	1960	95	0
13	cF	96	0	74	6	0
13	cJ	45	0	33	2	0
13	cK	132	0	93	16	0
13	cL	152	0	134	5	0
13	dA	2421	0	2320	106	0
13	dB	1835	0	1855	84	0
13	dF	96	0	74	1	0
13	dJ	45	0	33	2	0
13	dL	117	0	115	9	0
14	aA	33	0	46	5	0
14	aB	33	0	46	9	0
14	bA	33	0	46	2	0
14	bB	33	0	46	4	0
14	cA	33	0	46	5	0
14	cB	33	0	46	7	0
14	dA	33	0	46	2	0
14	dB	33	0	46	4	0
15	aA	200	0	280	11	0
15	aB	120	0	168	8	0
15	aF	80	0	112	12	0
15	aI	40	0	56	5	0
15	aJ	120	0	168	9	0
15	aK	80	0	112	6	0
15	aL	120	0	168	14	0
15	aM	40	0	56	2	0
15	bA	240	0	336	15	0
15	bB	120	0	168	5	0
15	bF	80	0	112	6	0
15	bI	80	0	112	5	0
15	bJ	120	0	168	11	0
15	bL	40	0	56	3	0
15	bM	40	0	56	8	0
15	cA	200	0	280	14	0
15	cB	120	0	168	8	0
15	cF	80	0	112	11	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
15	cI	40	0	56	5	0
15	cJ	120	0	168	10	0
15	cK	40	0	56	1	0
15	cL	120	0	168	12	0
15	cM	40	0	56	3	0
15	dA	240	0	336	19	0
15	dB	120	0	168	6	0
15	dF	80	0	112	8	0
15	dI	80	0	112	5	0
15	dJ	120	0	168	10	0
15	dL	80	0	112	6	0
15	dM	40	0	56	8	0
16	aA	76	0	98	4	0
16	bA	76	0	98	1	0
16	cA	76	0	98	5	0
16	dA	76	0	98	1	0
17	aB	8	0	0	2	0
17	aC	16	0	0	2	0
17	bB	8	0	0	1	0
17	bC	16	0	0	0	0
17	cB	8	0	0	2	0
17	cC	16	0	0	2	0
17	dB	8	0	0	1	0
17	dC	16	0	0	0	0
18	aB	55	0	86	6	0
18	bB	55	0	86	2	0
18	cB	55	0	86	6	0
18	dB	55	0	86	2	0
All	All	89952	0	89498	1940	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 11.

All (1940) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:cA:153:ILE:CG2	1:cA:159:LEU:HD21	1.28	1.59
1:cA:153:ILE:HG21	1:cA:159:LEU:CD2	1.30	1.56
13:aK:204:CLA:C2D	9:cK:126:PHE:CE2	2.06	1.35
9:aK:113:PRO:HB3	10:bL:27:ALA:CB	1.54	1.35
1:cA:153:ILE:CG2	1:cA:159:LEU:CD2	1.94	1.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:aK:204:CLA:C2D	9:cK:126:PHE:HE2	1.40	1.29
13:aK:204:CLA:CMD	9:cK:126:PHE:CD2	2.16	1.29
9:cK:113:PRO:HB3	10:dL:27:ALA:CB	1.64	1.28
9:aK:113:PRO:HB3	10:bL:27:ALA:HB1	1.25	1.18
9:aK:126:PHE:CE2	13:cK:204:CLA:C2D	2.31	1.14
13:aK:204:CLA:C1D	9:cK:126:PHE:HE2	1.61	1.13
13:aK:204:CLA:CMD	9:cK:126:PHE:HD2	1.54	1.11
1:cA:153:ILE:HG22	1:cA:159:LEU:HD21	1.22	1.10
9:aK:126:PHE:HE2	13:cK:204:CLA:C2D	1.61	1.10
1:cA:153:ILE:HG21	1:cA:159:LEU:HD22	1.23	1.10
9:cK:113:PRO:HB3	10:dL:27:ALA:HB1	1.28	1.08
13:aK:204:CLA:HMD1	9:cK:126:PHE:HD2	1.12	1.05
13:aK:204:CLA:HMD3	9:cK:126:PHE:CD2	1.91	1.05
9:aK:126:PHE:CD2	13:cK:204:CLA:CMD	2.40	1.03
11:bM:8:PHE:CD1	15:bM:101:BCR:H401	1.92	1.03
11:dM:8:PHE:CD1	15:dM:101:BCR:H401	1.93	1.02
1:cA:156:GLU:OE1	1:cA:156:GLU:N	1.93	1.01
1:aA:159:LEU:HD23	1:aA:159:LEU:H	1.28	0.97
9:aK:126:PHE:HB3	9:cK:130:ILE:HD11	1.47	0.94
3:aC:17:CYS:HB3	17:aC:102:SF4:S4	2.07	0.93
3:cC:17:CYS:HB3	17:cC:102:SF4:S4	2.07	0.93
13:aA:836:CLA:HAC2	13:bA:837:CLA:HBC1	1.48	0.93
13:aA:843:CLA:HBA1	13:bA:824:CLA:H11	1.49	0.93
1:aA:156:GLU:N	1:aA:156:GLU:OE1	2.00	0.93
9:aK:130:ILE:HD11	9:cK:126:PHE:HB3	1.49	0.93
13:aA:836:CLA:HAC2	13:bA:837:CLA:CBC	1.99	0.92
9:aK:113:PRO:HB3	10:bL:27:ALA:HB3	1.52	0.92
9:aK:126:PHE:HD2	13:cK:204:CLA:CMD	1.79	0.91
1:cA:97:ARG:HE	1:cA:160:TYR:HE1	1.18	0.90
13:aK:204:CLA:C3D	9:cK:126:PHE:CE2	2.55	0.89
9:aK:113:PRO:CB	10:bL:27:ALA:CB	2.47	0.88
1:cA:159:LEU:O	1:cA:162:THR:OG1	1.90	0.88
1:aA:153:ILE:HG21	1:aA:159:LEU:HD22	1.56	0.88
9:aK:126:PHE:HE2	13:cK:204:CLA:C1D	1.87	0.87
9:aK:126:PHE:HD2	13:cK:204:CLA:HMD1	1.38	0.86
9:aK:126:PHE:CD2	13:cK:204:CLA:HMD3	2.10	0.86
13:aK:204:CLA:HMD1	9:cK:126:PHE:CD2	1.94	0.85
9:aK:130:ILE:HD11	9:cK:126:PHE:CG	2.11	0.85
1:cA:162:THR:HG23	13:cA:815:CLA:CGA	2.08	0.84
1:cA:498:THR:O	1:cA:500:PRO:HD3	1.77	0.84
13:cA:836:CLA:HAC2	13:dA:837:CLA:HBC1	1.61	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:aA:498:THR:O	1:aA:500:PRO:HD3	1.79	0.82
9:aK:126:PHE:CG	9:cK:130:ILE:HD11	2.13	0.82
13:aA:843:CLA:CBA	13:bA:824:CLA:H11	2.09	0.81
9:aK:126:PHE:CB	9:cK:130:ILE:HD11	2.10	0.81
1:aA:97:ARG:HE	1:aA:160:TYR:HE1	1.25	0.81
13:aK:204:CLA:C1D	9:cK:126:PHE:CE2	2.54	0.81
9:aK:130:ILE:HD11	9:cK:126:PHE:CB	2.10	0.80
1:cA:162:THR:O	1:cA:165:GLY:N	2.14	0.80
15:bM:101:BCR:H391	1:cA:164:ILE:HD13	1.63	0.80
1:aA:486:TRP:HE1	13:bA:837:CLA:HMD2	1.49	0.78
9:cK:113:PRO:CB	10:dL:27:ALA:CB	2.57	0.77
1:aA:493:ALA:O	1:aA:497:ASN:HB2	1.84	0.77
13:aA:843:CLA:HAA1	13:bA:824:CLA:CBA	2.15	0.77
13:aA:843:CLA:CGA	13:bA:824:CLA:H11	2.15	0.77
11:bM:8:PHE:HD1	15:bM:101:BCR:H401	1.49	0.76
13:aK:204:CLA:OBD	9:cK:125:PRO:HB2	1.86	0.76
1:aA:159:LEU:HD23	1:aA:159:LEU:N	2.00	0.76
1:aA:153:ILE:CG2	1:aA:159:LEU:HD22	2.17	0.75
1:cA:159:LEU:N	1:cA:159:LEU:HD23	2.03	0.74
1:aA:496:GLY:HA2	1:aA:500:PRO:HA	1.69	0.73
1:cA:161:VAL:O	1:cA:164:ILE:HB	1.87	0.73
11:dM:8:PHE:HD1	15:dM:101:BCR:H401	1.49	0.73
1:cA:497:ASN:HB3	1:dA:497:ASN:ND2	2.04	0.73
1:aA:164:ILE:HD13	15:dM:101:BCR:H391	1.68	0.73
13:aK:204:CLA:CMD	9:cK:126:PHE:CE2	2.53	0.73
13:cA:843:CLA:HBA1	13:dA:824:CLA:H11	1.69	0.72
13:aA:843:CLA:O1A	13:bA:824:CLA:H12	1.89	0.72
9:aK:126:PHE:CE2	13:cK:204:CLA:CMD	2.70	0.72
13:aB:808:CLA:H162	13:aB:823:CLA:HBB2	1.72	0.72
13:cB:808:CLA:H162	13:cB:823:CLA:HBB2	1.72	0.72
1:aA:162:THR:HG23	13:aA:815:CLA:CGA	2.19	0.71
13:cA:836:CLA:HAC2	13:dA:837:CLA:CBC	2.21	0.70
1:cA:153:ILE:HG21	1:cA:159:LEU:HD21	0.96	0.70
9:aK:126:PHE:CE2	13:cK:204:CLA:C3D	2.75	0.70
2:cB:338:LEU:HD11	13:cB:824:CLA:HAB	1.74	0.70
13:dA:842:CLA:HBB2	15:dA:851:BCR:H19C	1.74	0.69
2:aB:338:LEU:HD11	13:aB:824:CLA:HAB	1.74	0.69
13:bA:842:CLA:HBB2	15:bA:851:BCR:H19C	1.74	0.69
1:cA:496:GLY:HA2	1:cA:500:PRO:HA	1.73	0.69
1:cA:497:ASN:HB3	1:dA:497:ASN:CG	2.17	0.69
1:aA:162:THR:O	1:aA:165:GLY:N	2.26	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:aA:843:CLA:CAA	13:bA:824:CLA:CGA	2.71	0.68
9:cK:143:LEU:HB2	15:cK:202:BCR:H24C	1.74	0.68
13:aA:843:CLA:HAA1	13:bA:824:CLA:CGA	2.24	0.68
9:aK:143:LEU:HB2	15:aK:202:BCR:H24C	1.74	0.67
13:aA:829:CLA:H201	15:aJ:102:BCR:H14C	1.77	0.67
13:aA:843:CLA:HBD	13:bA:824:CLA:CBA	2.25	0.67
13:bA:804:CLA:HBB1	15:bJ:103:BCR:H281	1.77	0.67
13:cA:820:CLA:H8	13:cA:820:CLA:HAB	1.76	0.67
13:aA:820:CLA:H8	13:aA:820:CLA:HAB	1.76	0.67
13:aK:204:CLA:OBD	9:cK:125:PRO:CB	2.43	0.67
13:cB:834:CLA:HBB1	15:cB:838:BCR:H16C	1.77	0.67
8:bJ:11:PRO:HB2	15:bJ:103:BCR:H391	1.77	0.67
10:cL:54:ALA:HA	15:cL:206:BCR:H16C	1.76	0.67
8:dJ:11:PRO:HB2	15:dJ:103:BCR:H391	1.77	0.66
1:aA:159:LEU:O	1:aA:162:THR:OG1	2.11	0.66
10:aL:54:ALA:HA	15:aL:206:BCR:H16C	1.76	0.66
13:aB:834:CLA:HBB1	15:aB:838:BCR:H16C	1.77	0.66
13:bA:830:CLA:H2	15:bA:848:BCR:H24C	1.78	0.66
9:cK:113:PRO:HB3	10:dL:27:ALA:HB3	1.72	0.66
14:aA:844:PQN:H141	13:aF:201:CLA:HBB2	1.78	0.66
2:bB:458:VAL:HG11	6:bF:97:ILE:HG23	1.77	0.66
13:dA:827:CLA:HAB	15:dA:850:BCR:HC8	1.77	0.66
4:aD:81:LEU:HG	4:aD:82:ASN:HD22	1.61	0.66
4:cD:81:LEU:HG	4:cD:82:ASN:HD22	1.61	0.66
13:aA:830:CLA:H2	15:aA:846:BCR:H24C	1.78	0.65
13:dA:804:CLA:HBB1	15:dJ:103:BCR:H281	1.77	0.65
14:cA:844:PQN:H141	13:cF:201:CLA:HBB2	1.78	0.65
3:aC:16:GLN:HB3	3:aC:57:ALA:HB1	1.77	0.65
13:dA:833:CLA:H51	13:dL:202:CLA:H72	1.78	0.65
1:cA:706:ASN:HB3	6:cF:181:ILE:HG23	1.79	0.65
3:cC:16:GLN:HB3	3:cC:57:ALA:HB1	1.77	0.65
13:aB:809:CLA:HHB	13:aB:810:CLA:HMB3	1.79	0.65
13:dA:830:CLA:H2	15:dA:848:BCR:H24C	1.78	0.65
1:cA:162:THR:HG22	13:cA:815:CLA:O2A	1.97	0.65
13:cA:830:CLA:H2	15:cA:846:BCR:H24C	1.78	0.65
13:bA:810:CLA:HAB	15:bJ:102:BCR:HC7	1.79	0.64
13:bA:827:CLA:HAB	15:bA:850:BCR:HC8	1.77	0.64
10:bL:62:PRO:HG3	13:bL:203:CLA:HBB1	1.79	0.64
13:cA:829:CLA:H201	15:cJ:102:BCR:H14C	1.77	0.64
1:aA:161:VAL:O	1:aA:164:ILE:HB	1.96	0.64
1:cA:162:THR:CG2	13:cA:815:CLA:CGA	2.75	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:bA:833:CLA:H51	13:bL:202:CLA:H72	1.78	0.64
13:aA:843:CLA:HAA2	13:bA:824:CLA:O1A	1.98	0.64
1:bA:87:TRP:HA	13:bA:808:CLA:HBB2	1.79	0.64
13:dA:810:CLA:HAB	15:dJ:102:BCR:HC7	1.79	0.64
13:dB:810:CLA:H191	7:dI:18:PRO:HB3	1.80	0.64
10:dL:62:PRO:HG3	13:dL:203:CLA:HBB1	1.78	0.64
1:aA:706:ASN:HB3	6:aF:181:ILE:HG23	1.79	0.64
15:bM:101:BCR:C39	1:cA:164:ILE:HD13	2.27	0.64
15:bM:101:BCR:H391	1:cA:164:ILE:CD1	2.28	0.64
2:dB:458:VAL:HG11	6:dF:97:ILE:HG23	1.77	0.64
13:aA:843:CLA:CGA	13:bA:824:CLA:C1	2.75	0.63
1:bA:350:HIS:HD2	1:bA:408:HIS:HD1	1.43	0.63
13:bB:826:CLA:H2	15:bF:202:BCR:HC22	1.79	0.63
13:cA:806:CLA:H72	15:cA:846:BCR:H23C	1.79	0.63
13:dA:808:CLA:HMB3	13:dA:809:CLA:HHB	1.81	0.63
13:aA:806:CLA:H72	15:aA:846:BCR:H23C	1.79	0.63
13:bB:810:CLA:H191	7:bI:18:PRO:HB3	1.80	0.63
1:dA:350:HIS:HD2	1:dA:408:HIS:HD1	1.43	0.63
13:aB:834:CLA:H112	15:aI:101:BCR:H19C	1.81	0.63
9:aK:106:PHE:HA	15:aK:205:BCR:H281	1.80	0.63
2:cB:157:LEU:HD23	11:cM:27:GLU:HG3	1.81	0.63
1:dA:87:TRP:HA	13:dA:808:CLA:HBB2	1.79	0.63
15:aA:849:BCR:H282	15:aF:202:BCR:H14C	1.79	0.63
13:bB:807:CLA:H162	13:bB:822:CLA:HBB2	1.81	0.63
4:cD:97:ARG:NH1	10:cL:115:GLU:OE2	2.32	0.63
13:dB:826:CLA:H2	15:dF:202:BCR:HC22	1.79	0.63
4:aD:97:ARG:NH1	10:aL:115:GLU:OE2	2.32	0.63
15:cA:849:BCR:H282	15:cF:202:BCR:H14C	1.79	0.63
13:cB:809:CLA:HHB	13:cB:810:CLA:HMB3	1.79	0.63
2:cB:588:ASN:HB2	13:cB:804:CLA:HBC2	1.81	0.62
1:dA:328:SER:H	1:dA:330:LYS:HE2	1.64	0.62
1:aA:156:GLU:O	1:aA:159:LEU:HG	2.00	0.62
13:dA:822:CLA:H8	15:dA:850:BCR:H12C	1.82	0.62
1:aA:486:TRP:HE1	13:bA:837:CLA:CMD	2.11	0.62
2:aB:588:ASN:HB2	13:aB:804:CLA:HBC2	1.81	0.62
13:aB:809:CLA:HMB3	13:aB:810:CLA:HHB	1.79	0.62
13:cA:827:CLA:HAB	15:cA:848:BCR:HC8	1.82	0.62
13:dB:807:CLA:H162	13:dB:822:CLA:HBB2	1.81	0.62
10:aL:45:ARG:HD3	10:aL:122:ASP:HB2	1.80	0.62
1:cA:586:VAL:HG22	2:cB:672:GLY:HA3	1.82	0.62
2:cB:648:VAL:HG22	13:cB:811:CLA:HAC1	1.82	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:aB:157:LEU:HD23	11:aM:27:GLU:HG3	1.80	0.62
2:aB:648:VAL:HG22	13:aB:811:CLA:HAC1	1.82	0.62
13:bA:841:CLA:H62	13:bB:825:CLA:H42	1.81	0.62
13:dA:843:CLA:H203	13:dL:202:CLA:HBB1	1.82	0.62
13:bA:808:CLA:HMB3	13:bA:809:CLA:HHB	1.81	0.61
13:dA:841:CLA:H62	13:dB:825:CLA:H42	1.81	0.61
1:aA:486:TRP:NE1	13:bA:837:CLA:HMD2	2.15	0.61
9:aK:126:PHE:CD2	13:cK:204:CLA:HMD1	2.17	0.61
13:bA:843:CLA:H112	13:bB:831:CLA:H71	1.82	0.61
1:aA:164:ILE:HD13	15:dM:101:BCR:C39	2.30	0.61
1:cA:162:THR:CG2	13:cA:815:CLA:O2A	2.49	0.61
1:aA:585:GLN:NE2	2:aB:668:ILE:O	2.26	0.61
1:aA:586:VAL:HG22	2:aB:672:GLY:HA3	1.82	0.61
1:aA:733:LEU:HD12	16:aA:850:LHG:H341	1.83	0.61
10:cL:45:ARG:HD3	10:cL:122:ASP:HB2	1.80	0.61
1:aA:463:ARG:HE	1:aA:642:THR:HG21	1.66	0.61
1:bA:67:GLU:OE2	1:bA:71:ARG:NH2	2.34	0.61
1:bA:328:SER:H	1:bA:330:LYS:HE2	1.64	0.61
13:bA:822:CLA:H8	15:bA:850:BCR:H12C	1.82	0.61
2:dB:325:THR:HG21	2:dB:403:ASN:HD21	1.66	0.61
2:dB:563:ASP:OD1	3:dC:52:LYS:NZ	2.33	0.61
13:bA:843:CLA:H203	13:bL:202:CLA:HBB1	1.82	0.61
13:cK:204:CLA:HBB1	10:dL:35:LEU:HD21	1.83	0.61
4:bD:193:ASN:ND2	4:bD:214:PHE:O	2.34	0.60
13:aK:204:CLA:HBB1	10:bL:35:LEU:HD21	1.83	0.60
13:cB:834:CLA:H112	15:cI:101:BCR:H19C	1.81	0.60
1:dA:67:GLU:OE2	1:dA:71:ARG:NH2	2.34	0.60
13:dA:843:CLA:H112	13:dB:831:CLA:H71	1.82	0.60
13:aA:827:CLA:HAB	15:aA:848:BCR:HC8	1.82	0.60
1:bA:715:GLN:NE2	5:bE:43:VAL:O	2.35	0.60
2:bB:325:THR:HG21	2:bB:403:ASN:HD21	1.66	0.60
1:cA:153:ILE:HG23	1:cA:159:LEU:CD2	2.20	0.60
1:cA:377:TYR:HD1	1:cA:380:LEU:HD22	1.67	0.60
13:aA:843:CLA:HAA1	13:bA:824:CLA:HBA1	1.83	0.60
13:aA:843:CLA:HBD	13:bA:824:CLA:HBA1	1.84	0.60
13:aB:834:CLA:HBB1	15:aB:838:BCR:H363	1.84	0.60
10:bL:112:THR:HB	10:bL:114:TRP:H	1.67	0.60
1:cA:463:ARG:HE	1:cA:642:THR:HG21	1.66	0.60
13:aA:802:CLA:H151	13:aB:812:CLA:HBC3	1.84	0.60
1:cA:153:ILE:CG2	1:cA:159:LEU:HD23	2.21	0.60
13:aB:801:CLA:H101	15:aL:205:BCR:H19C	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:cA:802:CLA:H151	13:cB:812:CLA:HBC3	1.84	0.59
1:cA:733:LEU:HD12	16:cA:850:LHG:H341	1.83	0.59
2:cB:77:TRP:HA	2:cB:84:THR:HG21	1.84	0.59
13:cB:801:CLA:H101	15:cL:205:BCR:H19C	1.84	0.59
1:dA:399:GLY:HA3	1:dA:603:LEU:HD11	1.83	0.59
2:aB:343:VAL:HG13	13:aB:820:CLA:HED1	1.83	0.59
2:cB:343:VAL:HG13	13:cB:820:CLA:HED1	1.83	0.59
10:dL:112:THR:HB	10:dL:114:TRP:H	1.67	0.59
6:bF:143:GLU:HA	13:bF:201:CLA:HED3	1.85	0.59
13:aB:827:CLA:H102	15:aF:202:BCR:HC7	1.85	0.59
13:cB:834:CLA:HBB1	15:cB:838:BCR:H363	1.84	0.59
13:dA:806:CLA:H72	15:dA:848:BCR:H23C	1.84	0.59
2:aB:457:PRO:HG3	2:aB:520:PHE:HB2	1.85	0.59
1:bA:575:CYS:CB	17:bB:801:SF4:S1	2.89	0.59
1:cA:72:LYS:NZ	1:cA:181:TYR:OH	2.36	0.59
2:cB:457:PRO:HG3	2:cB:520:PHE:HB2	1.85	0.59
6:cF:32:PRO:HD2	6:cF:35:GLN:HE21	1.67	0.59
1:dA:715:GLN:NE2	5:dE:43:VAL:O	2.35	0.59
6:aF:32:PRO:HD2	6:aF:35:GLN:HE21	1.67	0.59
1:bA:15:ILE:HG21	13:bA:811:CLA:HAA2	1.85	0.59
1:bA:463:ARG:NH2	1:bA:638:GLN:O	2.36	0.59
3:cC:5:VAL:HG12	3:cC:67:VAL:HG22	1.85	0.59
13:bA:806:CLA:H72	15:bA:848:BCR:H23C	1.84	0.59
13:dB:808:CLA:HHB	13:dB:809:CLA:HMB3	1.85	0.59
1:bA:399:GLY:HA3	1:bA:603:LEU:HD11	1.83	0.59
4:cD:107:ILE:HD13	4:cD:145:LEU:HD23	1.85	0.59
4:aD:107:ILE:HD13	4:aD:145:LEU:HD23	1.85	0.58
6:dF:143:GLU:HA	13:dF:201:CLA:HED3	1.85	0.58
4:dD:193:ASN:ND2	4:dD:214:PHE:O	2.34	0.58
3:aC:5:VAL:HG12	3:aC:67:VAL:HG22	1.85	0.58
2:bB:350:GLN:NE2	2:bB:372:TYR:OH	2.36	0.58
13:dB:808:CLA:HBB1	13:dB:808:CLA:H8	1.86	0.58
5:cE:9:ARG:HH21	5:cE:21:ILE:HD11	1.68	0.58
4:aD:101:VAL:HG23	4:aD:102:GLU:HG3	1.86	0.58
13:bB:808:CLA:HHB	13:bB:809:CLA:HMB3	1.85	0.58
1:aA:72:LYS:NZ	1:aA:181:TYR:OH	2.36	0.58
1:aA:377:TYR:HD1	1:aA:380:LEU:HD22	1.67	0.58
2:aB:77:TRP:HA	2:aB:84:THR:HG21	1.84	0.58
4:cD:101:VAL:HG23	4:cD:102:GLU:HG3	1.86	0.58
13:cK:204:CLA:HAC1	10:dL:34:ASN:HB3	1.86	0.58
13:cB:827:CLA:H102	15:cF:202:BCR:HC7	1.85	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:dA:463:ARG:NH2	1:dA:638:GLN:O	2.36	0.58
4:aD:103:GLU:N	4:aD:166:SER:O	2.36	0.58
2:bB:563:ASP:OD1	3:bC:52:LYS:NZ	2.33	0.58
1:dA:15:ILE:HG21	13:dA:811:CLA:HAA2	1.85	0.58
5:aE:9:ARG:HH21	5:aE:21:ILE:HD11	1.68	0.57
2:bB:18:THR:HG21	13:bB:831:CLA:HBB1	1.86	0.57
13:bB:808:CLA:HBB1	13:bB:808:CLA:H8	1.86	0.57
2:aB:90:ALA:HA	2:aB:113:VAL:HG12	1.86	0.57
2:dB:350:GLN:NE2	2:dB:372:TYR:OH	2.36	0.57
15:aL:206:BCR:H371	15:aL:206:BCR:H403	1.86	0.57
13:bB:832:CLA:HAC2	15:bB:836:BCR:H23C	1.87	0.57
1:cA:585:GLN:NE2	2:cB:668:ILE:O	2.26	0.57
2:cB:90:ALA:HA	2:cB:113:VAL:HG12	1.86	0.57
13:aA:843:CLA:O1D	13:bA:824:CLA:HBA1	2.03	0.57
13:aB:826:CLA:HBB1	15:aF:202:BCR:H323	1.86	0.57
10:aL:27:ALA:HB2	13:bA:823:CLA:OBD	2.04	0.57
13:dB:808:CLA:HMB3	13:dB:809:CLA:HHB	1.87	0.57
13:dB:832:CLA:HAC2	15:dB:836:BCR:H23C	1.87	0.57
2:bB:673:TYR:OH	13:bB:804:CLA:OBD	2.23	0.57
4:cD:103:GLU:N	4:cD:166:SER:O	2.36	0.57
10:cL:35:LEU:HD13	13:cL:203:CLA:HBD	1.87	0.57
1:dA:388:LEU:HD13	1:dA:748:ILE:HG21	1.86	0.57
1:aA:159:LEU:H	1:aA:159:LEU:CD2	2.06	0.57
13:cB:801:CLA:H111	13:cB:833:CLA:H71	1.86	0.57
1:aA:644:ASN:OD1	1:aA:648:ARG:NH1	2.38	0.57
13:aK:204:CLA:HAC1	10:bL:34:ASN:HB3	1.86	0.56
1:bA:18:ASP:OD2	1:bA:71:ARG:NH2	2.38	0.56
4:bD:86:PRO:HA	4:bD:128:ARG:HE	1.70	0.56
1:cA:217:GLN:NE2	1:cA:294:SER:OG	2.37	0.56
9:aK:94:ALA:O	13:bL:203:CLA:C1	2.53	0.56
10:aL:35:LEU:HD13	13:aL:203:CLA:HBD	1.87	0.56
1:cA:159:LEU:HD23	1:cA:159:LEU:H	1.70	0.56
1:cA:399:GLY:HA3	1:cA:603:LEU:HD11	1.87	0.56
1:cA:565:ASP:HB2	1:cA:568:ASN:HB2	1.87	0.56
13:cA:829:CLA:H191	15:cJ:102:BCR:H16C	1.88	0.56
1:aA:336:GLU:HG3	1:aA:339:LYS:HB3	1.88	0.56
4:aD:205:LYS:O	4:aD:209:LYS:NZ	2.38	0.56
9:aK:90:VAL:HG21	13:bL:203:CLA:HBA2	1.86	0.56
1:cA:644:ASN:OD1	1:cA:648:ARG:NH1	2.38	0.56
1:dA:285:VAL:HG13	1:dA:286:THR:HG23	1.87	0.56
1:dA:575:CYS:CB	17:dB:801:SF4:S1	2.89	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:dB:127:GLN:O	2:dB:193:HIS:NE2	2.36	0.56
1:bA:388:LEU:HD13	1:bA:748:ILE:HG21	1.86	0.56
2:bB:545:ARG:HA	2:bB:554:LYS:HB3	1.88	0.56
13:bB:813:CLA:H142	13:bB:818:CLA:H71	1.88	0.56
13:cA:843:CLA:CBA	13:dA:824:CLA:H11	2.34	0.56
13:cB:811:CLA:H102	13:cB:822:CLA:H172	1.88	0.56
13:aB:811:CLA:H102	13:aB:822:CLA:H172	1.88	0.56
13:cB:826:CLA:HBB1	15:cF:202:BCR:H323	1.86	0.56
13:aB:801:CLA:H111	13:aB:833:CLA:H71	1.86	0.56
13:bB:808:CLA:HMB3	13:bB:809:CLA:HHB	1.86	0.56
15:cL:206:BCR:H403	15:cL:206:BCR:H371	1.86	0.56
15:dF:202:BCR:H332	15:dJ:102:BCR:HC32	1.88	0.56
1:aA:164:ILE:CD1	15:dM:101:BCR:H391	2.35	0.56
1:cA:59:PHE:HB2	1:cA:69:VAL:HG23	1.88	0.56
1:dA:18:ASP:OD2	1:dA:71:ARG:NH2	2.39	0.56
2:dB:18:THR:HG21	13:dB:831:CLA:HBB1	1.86	0.56
13:aA:802:CLA:H152	13:aB:805:CLA:H192	1.88	0.56
2:aB:143:LEU:HD23	11:aM:13:VAL:HG13	1.88	0.56
13:cA:802:CLA:H152	13:cB:805:CLA:H192	1.88	0.56
1:aA:565:ASP:HB2	1:aA:568:ASN:HB2	1.87	0.55
13:aB:833:CLA:HAB	14:aB:835:PQN:H162	1.88	0.55
9:aK:113:PRO:CB	10:bL:27:ALA:HB1	2.17	0.55
1:bA:285:VAL:HG13	1:bA:286:THR:HG23	1.87	0.55
1:bA:648:ARG:HB2	2:bB:635:ILE:HG22	1.88	0.55
2:bB:469:LYS:NZ	2:bB:512:PHE:O	2.40	0.55
4:cD:205:LYS:O	4:cD:209:LYS:NZ	2.38	0.55
1:aA:399:GLY:HA3	1:aA:603:LEU:HD11	1.87	0.55
2:aB:91:ILE:HB	2:aB:112:PRO:HB2	1.89	0.55
13:bA:805:CLA:HBB1	13:bA:812:CLA:H121	1.87	0.55
15:bF:202:BCR:H332	15:bJ:102:BCR:HC32	1.88	0.55
7:cI:22:MET:HB3	15:cL:205:BCR:H12C	1.88	0.55
13:dB:832:CLA:H193	15:dI:101:BCR:H271	1.89	0.55
4:dD:138:ARG:NH2	4:dD:140:GLU:OE1	2.39	0.55
6:dF:73:LYS:O	6:dF:76:GLN:NE2	2.40	0.55
1:aA:59:PHE:HB2	1:aA:69:VAL:HG23	1.88	0.55
13:aA:829:CLA:H191	15:aJ:102:BCR:H16C	1.88	0.55
13:bA:815:CLA:HBB1	15:bA:847:BCR:H10C	1.89	0.55
13:bB:809:CLA:H8	13:bB:810:CLA:H52	1.88	0.55
6:bF:73:LYS:O	6:bF:76:GLN:NE2	2.40	0.55
1:cA:98:PHE:HB3	1:cA:117:VAL:HG22	1.89	0.55
1:cA:336:GLU:HG3	1:cA:339:LYS:HB3	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:cB:469:LYS:NZ	2:cB:512:PHE:O	2.35	0.55
1:aA:217:GLN:NE2	1:aA:294:SER:OG	2.37	0.55
3:aC:81:TYR:HA	4:aD:98:LYS:HB2	1.88	0.55
8:aJ:20:PHE:HA	13:aJ:101:CLA:HBB2	1.89	0.55
1:bA:430:VAL:HG11	13:bA:822:CLA:H202	1.89	0.55
4:bD:138:ARG:NH2	4:bD:140:GLU:OE1	2.39	0.55
8:cJ:20:PHE:HA	13:cJ:101:CLA:HBB2	1.89	0.55
4:dD:86:PRO:HA	4:dD:128:ARG:HE	1.70	0.55
1:aA:97:ARG:NE	1:aA:160:TYR:CE1	2.73	0.55
2:aB:469:LYS:NZ	2:aB:512:PHE:O	2.35	0.55
6:aF:51:GLU:HG2	6:aF:55:LYS:HE3	1.88	0.55
13:bB:832:CLA:H193	15:bI:101:BCR:H271	1.89	0.55
1:dA:648:ARG:HB2	2:dB:635:ILE:HG22	1.88	0.55
13:aA:803:CLA:C1D	2:aB:585:TRP:HE1	2.20	0.55
2:aB:384:VAL:HG22	2:aB:537:LEU:HD11	1.89	0.55
1:cA:162:THR:O	1:cA:163:ALA:C	2.50	0.55
1:cA:564:PRO:HB3	4:cD:120:PRO:HB3	1.88	0.55
3:cC:23:THR:HG22	4:cD:139:LYS:HD3	1.89	0.55
1:dA:590:ASP:OD1	1:dA:725:ARG:NH1	2.40	0.55
2:dB:11:ALA:O	2:dB:14:GLN:NE2	2.37	0.55
2:dB:545:ARG:HA	2:dB:554:LYS:HB3	1.88	0.55
5:aE:6:SER:OG	5:aE:60:GLU:OE2	2.25	0.55
7:aI:22:MET:HB3	15:aL:205:BCR:H12C	1.88	0.55
6:cF:51:GLU:HG2	6:cF:55:LYS:HE3	1.88	0.55
13:dA:805:CLA:HBB1	13:dA:812:CLA:H121	1.87	0.55
13:dA:815:CLA:HBB1	15:dA:847:BCR:H10C	1.89	0.55
2:dB:169:LYS:HB3	2:dB:327:ASN:HD21	1.72	0.55
13:dB:813:CLA:H142	13:dB:818:CLA:H71	1.88	0.55
1:bA:590:ASP:OD1	1:bA:725:ARG:NH1	2.40	0.54
3:bC:28:MET:O	4:bD:187:ARG:NH1	2.37	0.54
1:cA:493:ALA:O	1:cA:497:ASN:HB2	2.07	0.54
1:aA:385:ALA:HA	1:aA:748:ILE:HG13	1.90	0.54
13:aA:843:CLA:HBD	13:bA:824:CLA:HBA2	1.88	0.54
1:bA:218:ILE:HA	1:bA:222:LEU:HD12	1.89	0.54
2:bB:68:VAL:HG13	2:bB:135:LEU:HD13	1.90	0.54
2:bB:169:LYS:HB3	2:bB:327:ASN:HD21	1.72	0.54
13:dA:822:CLA:H61	15:dA:849:BCR:H352	1.89	0.54
1:aA:58:ASP:OD2	1:aA:58:ASP:N	2.40	0.54
1:bA:200:HIS:O	1:bA:204:GLY:N	2.39	0.54
13:bA:822:CLA:H61	15:bA:849:BCR:H352	1.90	0.54
1:cA:715:GLN:NE2	5:cE:16:TYR:OH	2.40	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:cB:143:LEU:HD23	11:cM:13:VAL:HG13	1.88	0.54
13:dA:816:CLA:HBB1	15:dA:846:BCR:H333	1.89	0.54
2:dB:673:TYR:OH	13:dB:804:CLA:OBD	2.23	0.54
1:aA:392:THR:HG22	1:aA:607:LEU:HD22	1.90	0.54
2:aB:659:ILE:HD12	13:aB:834:CLA:HMB3	1.89	0.54
1:dA:162:THR:O	1:dA:166:ALA:N	2.40	0.54
13:cA:803:CLA:C1D	2:cB:585:TRP:HE1	2.20	0.54
1:dA:200:HIS:O	1:dA:204:GLY:N	2.39	0.54
1:dA:377:TYR:HD1	1:dA:380:LEU:HD13	1.73	0.54
9:aK:94:ALA:O	13:bL:203:CLA:H11	2.07	0.54
13:cB:807:CLA:HHC	13:cB:807:CLA:HBB1	1.89	0.54
13:cB:833:CLA:HAB	14:cB:835:PQN:H162	1.89	0.54
1:dA:128:ASN:HB3	1:dA:136:GLN:HB3	1.90	0.54
13:dA:802:CLA:H2	2:dB:658:LEU:HD13	1.90	0.54
1:aA:564:PRO:HB3	4:aD:120:PRO:HB3	1.88	0.54
1:bA:162:THR:O	1:bA:166:ALA:N	2.40	0.54
1:bA:457:ILE:HG22	13:bA:835:CLA:HBC2	1.90	0.54
2:cB:91:ILE:HB	2:cB:112:PRO:HB2	1.89	0.54
5:cE:6:SER:OG	5:cE:60:GLU:OE2	2.25	0.54
13:aA:818:CLA:H2	9:aK:153:LEU:HD13	1.90	0.54
13:aA:843:CLA:O1A	13:bA:824:CLA:C1	2.55	0.54
13:aB:807:CLA:HHC	13:aB:807:CLA:HBB1	1.89	0.54
3:cC:17:CYS:CB	17:cC:102:SF4:S4	2.78	0.54
13:dA:806:CLA:H193	15:dA:847:BCR:H321	1.90	0.54
2:dB:68:VAL:HG13	2:dB:135:LEU:HD13	1.90	0.54
13:bA:806:CLA:H193	15:bA:847:BCR:H321	1.90	0.54
2:cB:88:ALA:HB3	2:cB:114:ASN:HB2	1.90	0.54
2:cB:659:ILE:HD12	13:cB:834:CLA:HMB3	1.89	0.54
3:cC:75:ARG:NE	4:cD:103:GLU:OE2	2.41	0.54
3:cC:81:TYR:HA	4:cD:98:LYS:HB2	1.88	0.54
13:dB:809:CLA:H8	13:dB:810:CLA:H52	1.89	0.54
1:aA:715:GLN:NE2	5:aE:16:TYR:OH	2.40	0.54
3:aC:23:THR:HG22	4:aD:139:LYS:HD3	1.89	0.54
1:bA:356:ASN:ND2	13:bA:806:CLA:OBD	2.37	0.54
13:bA:816:CLA:HBB1	15:bA:846:BCR:H333	1.89	0.54
2:cB:384:VAL:HG22	2:cB:537:LEU:HD11	1.89	0.54
1:dA:218:ILE:HA	1:dA:222:LEU:HD12	1.89	0.54
1:dA:430:VAL:HG11	13:dA:822:CLA:H202	1.89	0.54
2:dB:464:GLN:HB3	2:dB:469:LYS:HB3	1.90	0.54
1:aA:98:PHE:HB3	1:aA:117:VAL:HG22	1.89	0.53
6:bF:176:ALA:HB3	6:bF:181:ILE:HD11	1.90	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:cA:385:ALA:HA	1:cA:748:ILE:HG13	1.89	0.53
1:cA:497:ASN:CG	1:dA:497:ASN:HD21	2.15	0.53
1:cA:563:ILE:HD13	1:cA:586:VAL:HG11	1.90	0.53
2:aB:207:VAL:HA	2:aB:211:ASN:HD21	1.73	0.53
2:bB:378:ILE:HD13	13:bB:822:CLA:HBB1	1.90	0.53
4:bD:107:ILE:HD13	4:bD:145:LEU:HD23	1.90	0.53
13:cB:833:CLA:H51	13:cB:834:CLA:H141	1.90	0.53
1:aA:707:LYS:NZ	6:aF:178:ASP:OD1	2.39	0.53
15:aA:849:BCR:H371	15:aA:849:BCR:H383	1.91	0.53
1:cA:392:THR:HG22	1:cA:607:LEU:HD22	1.90	0.53
1:dA:457:ILE:HG22	13:dA:835:CLA:HBC2	1.90	0.53
2:dB:469:LYS:NZ	2:dB:512:PHE:O	2.40	0.53
3:dC:28:MET:O	4:dD:187:ARG:NH1	2.37	0.53
15:aK:205:BCR:H403	15:aK:205:BCR:H371	1.91	0.53
1:cA:566:LYS:HE2	1:cA:586:VAL:HG12	1.90	0.53
13:cA:826:CLA:HBA1	13:cA:830:CLA:H193	1.90	0.53
15:cA:849:BCR:H371	15:cA:849:BCR:H383	1.91	0.53
4:dD:107:ILE:HD13	4:dD:145:LEU:HD23	1.90	0.53
6:dF:30:LEU:HB2	6:dF:87:LEU:HB3	1.91	0.53
10:aL:98:GLY:HA2	10:aL:102:PHE:HD2	1.74	0.53
1:bA:114:SER:HB2	1:bA:131:VAL:HG21	1.91	0.53
1:cA:432:ARG:NH1	4:cD:89:GLY:O	2.42	0.53
1:aA:153:ILE:CG2	1:aA:159:LEU:CD2	2.85	0.53
1:aA:155:THR:O	1:aA:159:LEU:HD21	2.09	0.53
1:aA:334:THR:HB	1:aA:426:LEU:HD11	1.91	0.53
4:aD:200:ASN:ND2	4:aD:201:PRO:O	2.41	0.53
1:bA:195:GLU:HB3	1:bA:312:TYR:HB3	1.91	0.53
1:cA:97:ARG:NE	1:cA:160:TYR:CE1	2.73	0.53
1:dA:352:GLN:HG3	13:dA:826:CLA:H152	1.90	0.53
13:aA:826:CLA:HBA1	13:aA:830:CLA:H193	1.90	0.53
13:aA:843:CLA:H62	13:bA:824:CLA:HMB2	1.90	0.53
2:aB:454:LEU:HB3	2:aB:517:PRO:HB3	1.91	0.53
2:bB:464:GLN:HB3	2:bB:469:LYS:HB3	1.90	0.53
1:cA:432:ARG:HD2	4:cD:90:GLY:HA3	1.91	0.53
1:cA:708:LEU:HD21	13:cB:825:CLA:H3A	1.91	0.53
1:aA:708:LEU:HD21	13:aB:825:CLA:H3A	1.91	0.53
2:aB:44:GLN:NE2	2:aB:163:PRO:O	2.42	0.53
2:aB:476:VAL:HG12	2:aB:477:LEU:HG	1.91	0.53
1:cA:320:HIS:HB3	1:cA:325:MET:HE2	1.91	0.53
1:dA:406:GLY:HA3	1:dA:550:LEU:HD22	1.90	0.53
2:dB:547:SER:HA	6:dF:184:SER:HB2	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:aA:320:HIS:HB3	1:aA:325:MET:HE2	1.91	0.53
2:aB:88:ALA:HB3	2:aB:114:ASN:HB2	1.90	0.53
2:bB:11:ALA:O	2:bB:14:GLN:NE2	2.37	0.53
13:cB:833:CLA:H142	15:cL:201:BCR:H10C	1.90	0.53
4:cD:200:ASN:ND2	4:cD:201:PRO:O	2.41	0.53
15:dL:204:BCR:H403	15:dL:204:BCR:H371	1.91	0.53
1:aA:432:ARG:NH1	4:aD:89:GLY:O	2.42	0.52
13:aB:833:CLA:H51	13:aB:834:CLA:H141	1.90	0.52
1:bA:128:ASN:HB3	1:bA:136:GLN:HB3	1.90	0.52
1:bA:442:ASN:HD22	2:bB:677:LEU:HD11	1.74	0.52
13:bA:802:CLA:H2	2:bB:658:LEU:HD13	1.90	0.52
2:dB:266:GLN:NE2	2:dB:508:ASN:O	2.42	0.52
13:dB:824:CLA:HAB	13:dB:825:CLA:H171	1.91	0.52
1:bA:233:SER:HB3	1:bA:236:GLU:HB2	1.91	0.52
1:bA:247:LYS:NZ	1:bA:257:PHE:O	2.37	0.52
1:bA:377:TYR:HD1	1:bA:380:LEU:HD13	1.73	0.52
13:cA:818:CLA:H2	9:cK:153:LEU:HD13	1.90	0.52
2:cB:454:LEU:HB3	2:cB:517:PRO:HB3	1.91	0.52
6:dF:176:ALA:HB3	6:dF:181:ILE:HD11	1.90	0.52
4:aD:128:ARG:H	4:aD:132:ASN:HD22	1.57	0.52
9:aK:94:ALA:O	9:aK:97:SER:OG	2.27	0.52
1:bA:140:ILE:HA	13:bA:809:CLA:HMD1	1.91	0.52
2:bB:550:MET:HE3	3:bC:66:ARG:HH22	1.73	0.52
2:cB:195:VAL:HA	2:cB:199:ILE:HD12	1.92	0.52
2:cB:648:VAL:HG22	13:cB:811:CLA:HHD	1.91	0.52
6:cF:162:PRO:HD2	6:cF:163:LEU:HD12	1.91	0.52
1:aA:566:LYS:HE2	1:aA:586:VAL:HG12	1.90	0.52
13:aA:843:CLA:HBA1	13:bA:824:CLA:C1	2.31	0.52
10:aL:137:PHE:HB2	15:aL:206:BCR:H321	1.90	0.52
13:bB:824:CLA:HAB	13:bB:825:CLA:H171	1.91	0.52
1:cA:363:LEU:HD22	13:cA:830:CLA:H203	1.92	0.52
1:dA:114:SER:HB2	1:dA:131:VAL:HG21	1.91	0.52
1:dA:195:GLU:HB3	1:dA:312:TYR:HB3	1.91	0.52
1:aA:497:ASN:HB3	1:bA:497:ASN:OD1	2.08	0.52
6:aF:162:PRO:HD2	6:aF:163:LEU:HD12	1.91	0.52
3:cC:63:LEU:HD11	3:cC:66:ARG:HH11	1.74	0.52
1:dA:473:SER:OG	1:dA:474:ASP:N	2.42	0.52
2:dB:550:MET:HE3	3:dC:66:ARG:HH22	1.73	0.52
13:dB:829:CLA:HBC2	15:dJ:104:BCR:HC7	1.90	0.52
1:aA:563:ILE:HD13	1:aA:586:VAL:HG11	1.90	0.52
13:bB:829:CLA:HBC2	15:bJ:104:BCR:HC7	1.90	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:bL:67:GLY:O	10:bL:70:ARG:NH1	2.43	0.52
1:cA:334:THR:HB	1:cA:426:LEU:HD11	1.91	0.52
10:cL:98:GLY:HA2	10:cL:102:PHE:HD2	1.74	0.52
1:dA:442:ASN:HD22	2:dB:677:LEU:HD11	1.74	0.52
13:aB:833:CLA:H142	15:aL:201:BCR:H10C	1.90	0.52
2:bB:547:SER:HA	6:bF:184:SER:HB2	1.91	0.52
1:cA:560:SER:OG	1:cA:561:ARG:N	2.43	0.52
1:dA:107:ASN:ND2	1:dA:110:THR:OG1	2.40	0.52
1:aA:432:ARG:HD2	4:aD:90:GLY:HA3	1.91	0.52
2:aB:195:VAL:HA	2:aB:199:ILE:HD12	1.92	0.52
2:aB:648:VAL:HG22	13:aB:811:CLA:HHD	1.91	0.52
1:bA:401:LEU:HD21	13:bA:807:CLA:H142	1.91	0.52
2:bB:242:HIS:O	2:bB:264:GLN:NE2	2.43	0.52
1:cA:641:ILE:HG13	1:cA:642:THR:HG23	1.92	0.52
2:cB:207:VAL:HA	2:cB:211:ASN:HD21	1.73	0.52
2:aB:384:VAL:HG21	2:aB:586:MET:HG2	1.91	0.52
2:aB:413:ASP:O	6:aF:186:ARG:NH2	2.41	0.52
2:aB:723:THR:HG21	13:aB:803:CLA:HMA3	1.92	0.52
4:bD:105:TYR:OH	4:bD:162:ARG:NH1	2.43	0.52
6:bF:30:LEU:HB2	6:bF:87:LEU:HB3	1.91	0.52
13:cA:843:CLA:HAA1	13:dA:824:CLA:CBA	2.40	0.52
10:cL:137:PHE:HB2	15:cL:206:BCR:H321	1.90	0.52
1:aA:532:ASP:OD2	1:aA:613:LYS:NZ	2.43	0.52
1:aA:641:ILE:HG13	1:aA:642:THR:HG23	1.92	0.52
13:aB:812:CLA:H42	10:aL:78:TYR:HB3	1.92	0.52
3:aC:63:LEU:HD11	3:aC:66:ARG:HH11	1.75	0.52
7:aI:29:ILE:HG13	7:aI:30:GLU:HG2	1.92	0.52
1:bA:352:GLN:HG3	13:bA:826:CLA:H152	1.90	0.52
2:bB:49:SER:HB2	13:bB:806:CLA:HBB1	1.92	0.52
2:bB:266:GLN:NE2	2:bB:508:ASN:O	2.42	0.52
1:cA:58:ASP:OD2	1:cA:58:ASP:N	2.40	0.52
2:cB:384:VAL:HG21	2:cB:586:MET:HG2	1.92	0.52
2:cB:476:VAL:HG12	2:cB:477:LEU:HG	1.91	0.52
13:cB:809:CLA:H93	15:cM:101:BCR:H353	1.92	0.52
13:cB:812:CLA:H42	10:cL:78:TYR:HB3	1.92	0.52
8:cJ:23:GLY:HA3	13:cJ:101:CLA:HBB1	1.91	0.52
6:dF:102:TRP:HA	6:dF:105:ALA:HB2	1.92	0.52
3:aC:75:ARG:NE	4:aD:103:GLU:OE2	2.41	0.51
1:bA:107:ASN:ND2	1:bA:110:THR:OG1	2.40	0.51
13:bB:832:CLA:HHC	13:bB:832:CLA:HBB1	1.92	0.51
5:cE:24:VAL:HG22	5:cE:38:VAL:HG22	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
7:cI:29:ILE:HG13	7:cI:30:GLU:HG2	1.92	0.51
1:dA:233:SER:HB3	1:dA:236:GLU:HB2	1.91	0.51
1:dA:401:LEU:HD21	13:dA:807:CLA:H142	1.91	0.51
1:dA:414:VAL:HG21	1:dA:571:PHE:HB2	1.92	0.51
13:dA:819:CLA:H93	13:dA:837:CLA:H3A	1.91	0.51
2:dB:242:HIS:O	2:dB:264:GLN:NE2	2.43	0.51
13:dB:832:CLA:HHC	13:dB:832:CLA:HBB1	1.92	0.51
5:dE:24:VAL:HA	5:dE:38:VAL:HA	1.92	0.51
13:aB:808:CLA:HED3	13:aB:808:CLA:H2	1.92	0.51
1:bA:406:GLY:HA3	1:bA:550:LEU:HD22	1.90	0.51
13:cA:806:CLA:H41	13:cA:830:CLA:H143	1.93	0.51
4:cD:128:ARG:H	4:cD:132:ASN:HD22	1.57	0.51
4:dD:82:ASN:OD1	4:dD:135:ARG:NH2	2.44	0.51
1:aA:56:VAL:O	1:aA:62:TYR:OH	2.23	0.51
2:aB:64:ASN:HD21	2:aB:120:VAL:HG11	1.76	0.51
9:aK:125:PRO:HB2	13:cK:204:CLA:OBD	2.11	0.51
1:bA:473:SER:OG	1:bA:474:ASP:N	2.42	0.51
13:bA:819:CLA:H93	13:bA:837:CLA:H3A	1.91	0.51
1:dA:65:ASP:HB3	1:dA:68:GLU:HB3	1.93	0.51
13:aA:806:CLA:H41	13:aA:830:CLA:H143	1.93	0.51
6:aF:176:ALA:HB3	6:aF:181:ILE:HD11	1.93	0.51
4:bD:82:ASN:OD1	4:bD:135:ARG:NH2	2.44	0.51
6:bF:102:TRP:HA	6:bF:105:ALA:HB2	1.92	0.51
2:cB:64:ASN:HD21	2:cB:120:VAL:HG11	1.76	0.51
13:cB:807:CLA:H52	13:cB:814:CLA:H62	1.92	0.51
14:cB:835:PQN:H301	18:cB:839:LMG:H201	1.92	0.51
1:aA:363:LEU:HD22	13:aA:830:CLA:H203	1.92	0.51
2:aB:415:LYS:HB2	2:aB:542:LEU:HD21	1.93	0.51
1:bA:561:ARG:O	4:bD:138:ARG:NH1	2.44	0.51
1:bA:735:GLY:O	1:bA:739:THR:OG1	2.28	0.51
13:cB:831:CLA:H71	13:cB:831:CLA:HBB1	1.93	0.51
9:cK:94:ALA:O	9:cK:97:SER:OG	2.27	0.51
1:dA:561:ARG:O	4:dD:138:ARG:NH1	2.44	0.51
2:dB:188:LEU:O	2:dB:191:THR:OG1	2.23	0.51
2:dB:378:ILE:HD13	13:dB:822:CLA:HBB1	1.90	0.51
13:aB:807:CLA:H52	13:aB:814:CLA:H62	1.92	0.51
13:aB:831:CLA:HBB1	13:aB:831:CLA:H71	1.93	0.51
8:aJ:23:GLY:HA3	13:aJ:101:CLA:HBB1	1.91	0.51
1:bA:233:SER:OG	1:bA:235:GLN:OE1	2.29	0.51
2:bB:256:THR:HG22	2:bB:271:THR:HG22	1.93	0.51
13:cA:843:CLA:CGA	13:dA:824:CLA:H11	2.41	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:cB:723:THR:HG21	13:cB:803:CLA:HMA3	1.92	0.51
3:cC:36:ALA:O	3:cC:38:GLN:NE2	2.44	0.51
1:dA:274:ASP:OD1	1:dA:274:ASP:N	2.42	0.51
13:aB:809:CLA:H93	15:aM:101:BCR:H353	1.93	0.51
2:bB:127:GLN:O	2:bB:193:HIS:NE2	2.36	0.51
2:bB:588:ASN:HB2	13:bB:803:CLA:HBC2	1.93	0.51
1:cA:46:THR:OG1	1:cA:715:GLN:O	2.29	0.51
1:cA:397:ILE:HD12	13:cA:807:CLA:H143	1.93	0.51
1:cA:707:LYS:NZ	6:cF:178:ASP:OD1	2.39	0.51
1:dA:280:GLY:N	1:dA:293:ASP:OD2	2.42	0.51
1:dA:307:VAL:HG12	15:dA:846:BCR:H17C	1.93	0.51
13:dB:832:CLA:HBA2	14:dB:833:PQN:H262	1.93	0.51
1:aA:46:THR:OG1	1:aA:715:GLN:O	2.29	0.51
1:bA:414:VAL:HG21	1:bA:571:PHE:HB2	1.92	0.51
13:bB:832:CLA:HBA2	14:bB:833:PQN:H262	1.93	0.51
1:dA:408:HIS:HA	1:dA:411:ILE:HD12	1.92	0.51
13:dA:841:CLA:HAC1	14:dA:845:PQN:H221	1.93	0.51
13:bA:841:CLA:HAC1	14:bA:845:PQN:H221	1.93	0.51
5:bE:24:VAL:HA	5:bE:38:VAL:HA	1.92	0.51
1:cA:438:ILE:O	1:cA:442:ASN:N	2.43	0.51
2:dB:224:PRO:HA	2:dB:227:THR:HG22	1.92	0.51
2:dB:256:THR:HG22	2:dB:271:THR:HG22	1.93	0.51
1:aA:100:ASN:O	1:aA:104:TRP:N	2.43	0.51
14:aB:835:PQN:H301	18:aB:839:LMG:H201	1.92	0.51
1:bA:280:GLY:N	1:bA:293:ASP:OD2	2.42	0.51
1:cA:205:LEU:HD13	13:cA:814:CLA:HHB	1.93	0.51
1:dA:140:ILE:HA	13:dA:809:CLA:HMD1	1.91	0.51
1:dA:419:PRO:HG2	4:dD:118:GLU:HB2	1.93	0.51
13:aB:805:CLA:H2	15:aB:838:BCR:H373	1.93	0.50
5:aE:24:VAL:HG22	5:aE:38:VAL:HG22	1.92	0.50
1:bA:408:HIS:HA	1:bA:411:ILE:HD12	1.92	0.50
5:bE:24:VAL:HG12	5:bE:38:VAL:HG22	1.93	0.50
2:dB:49:SER:HB2	13:dB:806:CLA:HBB1	1.92	0.50
4:dD:105:TYR:OH	4:dD:162:ARG:NH1	2.43	0.50
3:aC:36:ALA:O	3:aC:38:GLN:NE2	2.44	0.50
13:cA:809:CLA:H72	13:cA:829:CLA:H92	1.94	0.50
1:aA:333:PHE:O	1:aA:429:ARG:NH2	2.44	0.50
1:aA:470:ASP:OD1	10:aL:70:ARG:NH2	2.35	0.50
10:aL:37:ALA:HB2	10:aL:51:ILE:HD11	1.93	0.50
2:bB:224:PRO:HA	2:bB:227:THR:HG22	1.92	0.50
2:cB:622:TRP:HB3	13:cB:803:CLA:H101	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:cF:176:ALA:HB3	6:cF:181:ILE:HD11	1.92	0.50
10:cL:37:ALA:HB2	10:cL:51:ILE:HD11	1.93	0.50
1:dA:735:GLY:O	1:dA:739:THR:OG1	2.28	0.50
2:dB:588:ASN:HB2	13:dB:803:CLA:HBC2	1.93	0.50
5:dE:24:VAL:HG12	5:dE:38:VAL:HG22	1.93	0.50
1:aA:205:LEU:HD13	13:aA:814:CLA:HHB	1.93	0.50
1:aA:406:GLY:HA3	1:aA:550:LEU:HD22	1.94	0.50
2:aB:436:LEU:HD22	2:aB:453:ILE:HD13	1.93	0.50
2:bB:22:TRP:CG	2:bB:707:GLN:HE22	2.30	0.50
1:cA:406:GLY:HA3	1:cA:550:LEU:HD22	1.94	0.50
13:cA:827:CLA:H42	13:cA:839:CLA:HBA1	1.93	0.50
2:cB:413:ASP:O	6:cF:186:ARG:NH2	2.41	0.50
13:cB:808:CLA:HED3	13:cB:808:CLA:H2	1.92	0.50
13:cB:833:CLA:HBB2	14:cB:835:PQN:H141	1.94	0.50
5:cE:36:VAL:O	5:cE:53:PHE:N	2.39	0.50
7:dI:8:ILE:O	7:dI:12:MET:HG2	2.11	0.50
1:aA:560:SER:OG	1:aA:561:ARG:N	2.43	0.50
13:aA:809:CLA:H72	13:aA:829:CLA:H92	1.94	0.50
2:aB:427:LEU:HD21	15:aF:202:BCR:H402	1.93	0.50
3:aC:6:LYS:HB3	4:aD:193:ASN:HD21	1.76	0.50
10:aL:112:THR:HG23	10:aL:114:TRP:H	1.77	0.50
4:bD:206:LEU:HD22	4:bD:209:LYS:HD2	1.93	0.50
1:cA:100:ASN:O	1:cA:104:TRP:N	2.43	0.50
13:cB:812:CLA:H91	15:cL:201:BCR:HC42	1.93	0.50
4:dD:206:LEU:HD22	4:dD:209:LYS:HD2	1.93	0.50
6:aF:46:THR:HG21	6:aF:74:THR:HG21	1.94	0.50
6:cF:141:GLU:O	6:cF:145:ILE:N	2.40	0.50
2:dB:129:MET:O	2:dB:130:ARG:NH1	2.43	0.50
2:aB:622:TRP:HB3	13:aB:803:CLA:H101	1.93	0.50
8:aJ:35:LEU:HD13	15:aJ:104:BCR:H373	1.94	0.50
1:cA:497:ASN:CB	1:dA:497:ASN:ND2	2.73	0.50
8:cJ:35:LEU:HD13	15:cJ:104:BCR:H373	1.94	0.50
1:dA:279:LYS:HA	1:dA:503:LEU:HD13	1.94	0.50
2:dB:343:VAL:HG13	13:dB:819:CLA:HED1	1.93	0.50
13:aA:827:CLA:H42	13:aA:839:CLA:HBA1	1.94	0.50
2:aB:17:THR:OG1	2:aB:699:LYS:O	2.26	0.50
4:aD:120:PRO:HD3	4:aD:145:LEU:HD13	1.93	0.50
1:bA:65:ASP:HB3	1:bA:68:GLU:HB3	1.93	0.50
1:bA:307:VAL:HG12	15:bA:846:BCR:H17C	1.93	0.50
1:bA:721:ILE:HD11	2:bB:569:GLY:HA3	1.94	0.50
13:bB:807:CLA:H143	13:bB:822:CLA:HBB2	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:bF:147:ASP:O	6:bF:151:ALA:N	2.38	0.50
10:cL:42:LEU:O	10:cL:47:ARG:NH2	2.45	0.50
1:dA:233:SER:OG	1:dA:235:GLN:OE1	2.29	0.50
10:dL:42:LEU:O	10:dL:47:ARG:NH2	2.45	0.50
4:aD:98:LYS:NZ	4:aD:137:ALA:O	2.45	0.50
1:cA:470:ASP:OD1	10:cL:70:ARG:NH2	2.35	0.50
2:cB:427:LEU:HD21	15:cF:202:BCR:H402	1.93	0.50
6:cF:146:ILE:O	8:cJ:8:SER:OG	2.30	0.50
2:dB:688:THR:HG23	2:dB:691:ALA:HB3	1.94	0.50
10:bL:78:TYR:HD2	10:bL:78:TYR:N	2.09	0.49
2:cB:377:TYR:HA	2:cB:590:ILE:HG21	1.94	0.49
9:cK:113:PRO:HB3	10:dL:27:ALA:HB2	1.81	0.49
1:aA:322:MET:HA	1:aA:325:MET:HE3	1.93	0.49
1:bA:419:PRO:HG2	4:bD:118:GLU:HB2	1.93	0.49
13:bA:841:CLA:H51	15:bF:202:BCR:H19C	1.94	0.49
1:cA:486:TRP:HE1	13:dA:837:CLA:HMD2	1.77	0.49
13:cA:829:CLA:H203	13:cB:804:CLA:H13	1.94	0.49
2:cB:415:LYS:HB2	2:cB:542:LEU:HD21	1.93	0.49
2:dB:22:TRP:CG	2:dB:707:GLN:HE22	2.30	0.49
13:dB:808:CLA:H172	13:dB:821:CLA:H201	1.94	0.49
1:aA:397:ILE:HD12	13:aA:807:CLA:H143	1.93	0.49
2:aB:697:LYS:HB2	13:aB:833:CLA:HED3	1.94	0.49
1:bA:23:SER:OG	1:bA:24:THR:N	2.45	0.49
10:bL:78:TYR:N	10:bL:78:TYR:CD2	2.80	0.49
13:cB:805:CLA:H2	15:cB:838:BCR:H373	1.93	0.49
7:aI:18:PRO:HA	7:aI:21:VAL:HG22	1.94	0.49
8:bJ:25:LEU:HD12	15:bJ:102:BCR:HC8	1.94	0.49
1:cA:99:SER:HB2	1:cA:145:PHE:HZ	1.78	0.49
1:cA:322:MET:HA	1:cA:325:MET:HE3	1.93	0.49
1:cA:333:PHE:O	1:cA:429:ARG:NH2	2.44	0.49
1:cA:712:PRO:HA	6:cF:130:LEU:HD11	1.94	0.49
2:cB:436:LEU:HD22	2:cB:453:ILE:HD13	1.94	0.49
4:cD:98:LYS:NZ	4:cD:137:ALA:O	2.45	0.49
10:cL:112:THR:HG23	10:cL:114:TRP:H	1.77	0.49
13:dA:841:CLA:H51	15:dF:202:BCR:H19C	1.94	0.49
1:aA:461:THR:HG21	13:aA:835:CLA:HBC3	1.94	0.49
1:bA:279:LYS:HA	1:bA:503:LEU:HD13	1.94	0.49
13:cB:825:CLA:HBC2	13:cB:832:CLA:HBC3	1.94	0.49
1:dA:721:ILE:HD11	2:dB:569:GLY:HA3	1.94	0.49
13:cB:826:CLA:H191	15:cF:203:BCR:H19C	1.95	0.49
5:cE:28:ASP:H	5:cE:35:PRO:HB2	1.78	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
7:cI:32:ASP:OD1	7:cI:32:ASP:N	2.46	0.49
1:dA:356:ASN:ND2	13:dA:806:CLA:OBD	2.38	0.49
13:dB:823:CLA:H91	18:dB:837:LMG:H272	1.94	0.49
2:aB:455:ILE:HD12	6:aF:96:LEU:HD22	1.94	0.49
13:aB:812:CLA:H91	15:aL:201:BCR:HC42	1.93	0.49
13:bB:829:CLA:H102	13:bB:829:CLA:HMC1	1.95	0.49
2:cB:17:THR:OG1	2:cB:699:LYS:O	2.26	0.49
2:cB:194:ILE:HA	2:cB:198:ALA:HB3	1.94	0.49
6:cF:46:THR:HG21	6:cF:74:THR:HG21	1.94	0.49
9:cK:124:TRP:HE3	9:cK:125:PRO:HD2	1.78	0.49
1:aA:438:ILE:O	1:aA:442:ASN:N	2.43	0.49
13:aA:834:CLA:H93	13:aB:834:CLA:H203	1.94	0.49
10:aL:49:LEU:O	10:aL:53:MET:N	2.42	0.49
2:bB:688:THR:HG23	2:bB:691:ALA:HB3	1.94	0.49
1:cA:730:ALA:HA	16:cA:850:LHG:H342	1.94	0.49
3:cC:6:LYS:HB3	4:cD:193:ASN:HD21	1.76	0.49
1:dA:247:LYS:NZ	1:dA:257:PHE:O	2.37	0.49
13:aA:832:CLA:HBB2	13:aA:840:CLA:HMC2	1.95	0.49
5:aE:28:ASP:H	5:aE:35:PRO:HB2	1.78	0.49
6:aF:134:ALA:HA	6:aF:139:SER:HB3	1.95	0.49
10:aL:27:ALA:HA	1:bA:318:ILE:HG22	1.94	0.49
2:bB:343:VAL:HG13	13:bB:819:CLA:HED1	1.93	0.49
13:bB:826:CLA:H102	15:bF:202:BCR:HC7	1.95	0.49
1:cA:56:VAL:O	1:cA:62:TYR:OH	2.23	0.49
4:cD:120:PRO:HD3	4:cD:145:LEU:HD13	1.94	0.49
1:dA:322:MET:HG2	13:dA:822:CLA:HED3	1.95	0.49
13:dB:829:CLA:HMC1	13:dB:829:CLA:H102	1.95	0.49
11:dM:11:LEU:HD13	15:dM:101:BCR:H372	1.95	0.49
1:aA:283:ASN:O	1:aA:287:GLY:N	2.44	0.49
1:aA:343:GLU:O	1:aA:347:ASN:ND2	2.46	0.49
13:aB:833:CLA:HBB2	14:aB:835:PQN:H141	1.94	0.49
1:dA:80:HIS:HD2	13:dA:806:CLA:HMB3	1.78	0.49
1:aA:712:PRO:HA	6:aF:130:LEU:HD11	1.94	0.48
2:aB:377:TYR:HA	2:aB:590:ILE:HG21	1.94	0.48
2:aB:562:CYS:HB3	17:aB:802:SF4:S3	2.52	0.48
13:aB:825:CLA:HBC2	13:aB:832:CLA:HBC3	1.94	0.48
13:bA:802:CLA:H201	13:bB:810:CLA:H2	1.94	0.48
13:bB:808:CLA:H172	13:bB:821:CLA:H201	1.94	0.48
1:cA:461:THR:HG21	13:cA:835:CLA:HBC3	1.94	0.48
2:cB:338:LEU:HD12	13:cB:807:CLA:HED1	1.95	0.48
13:dB:807:CLA:H143	13:dB:822:CLA:HBB2	1.93	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:dL:78:TYR:N	10:dL:78:TYR:HD2	2.11	0.48
13:aA:829:CLA:H203	13:aB:804:CLA:H13	1.94	0.48
2:aB:194:ILE:HA	2:aB:198:ALA:HB3	1.94	0.48
6:aF:146:ILE:O	8:aJ:8:SER:OG	2.30	0.48
9:aK:94:ALA:O	13:bL:203:CLA:H12	2.13	0.48
1:bA:314:THR:OG1	13:bA:821:CLA:O1D	2.31	0.48
13:bA:804:CLA:HBB2	13:bA:812:CLA:H151	1.94	0.48
13:bA:822:CLA:H42	13:bA:828:CLA:H93	1.95	0.48
2:bB:26:ALA:HA	13:bB:823:CLA:H12	1.95	0.48
6:cF:134:ALA:HA	6:cF:139:SER:HB3	1.95	0.48
13:dA:843:CLA:H192	15:dI:102:BCR:H391	1.94	0.48
13:aA:828:CLA:HMA2	15:aA:848:BCR:H21C	1.95	0.48
7:aI:32:ASP:N	7:aI:32:ASP:OD1	2.46	0.48
9:aK:113:PRO:CB	10:bL:27:ALA:HB3	2.31	0.48
10:aL:42:LEU:O	10:aL:47:ARG:NH2	2.45	0.48
13:bA:844:CLA:HBA2	13:bA:844:CLA:H3A	1.53	0.48
4:bD:196:ARG:HH12	5:bE:12:ARG:HG3	1.78	0.48
10:bL:130:GLY:O	10:bL:134:SER:OG	2.31	0.48
13:bL:202:CLA:H62	13:bL:202:CLA:H41	1.64	0.48
13:cA:828:CLA:HMA2	15:cA:848:BCR:H21C	1.95	0.48
1:dA:322:MET:HA	1:dA:325:MET:HE3	1.95	0.48
13:aB:826:CLA:H191	15:aF:203:BCR:H19C	1.95	0.48
13:aB:827:CLA:H2	15:aF:202:BCR:HC42	1.95	0.48
6:aF:141:GLU:O	6:aF:145:ILE:N	2.40	0.48
10:aL:39:ARG:O	10:aL:47:ARG:NH1	2.41	0.48
1:bA:671:LEU:O	1:bA:675:GLY:N	2.43	0.48
1:cA:349:TRP:HB3	13:cA:806:CLA:HAC1	1.95	0.48
13:cA:834:CLA:H93	13:cB:834:CLA:H161	1.95	0.48
1:dA:54:ALA:HB2	16:dA:852:LHG:HC82	1.96	0.48
1:dA:89:SER:HB3	1:dA:166:ALA:HB3	1.95	0.48
1:dA:671:LEU:O	1:dA:675:GLY:N	2.43	0.48
2:dB:545:ARG:HB3	2:dB:554:LYS:HD3	1.96	0.48
8:dJ:25:LEU:HD12	15:dJ:102:BCR:HC8	1.94	0.48
1:aA:349:TRP:HB3	13:aA:806:CLA:HAC1	1.95	0.48
13:aA:834:CLA:H93	13:aB:834:CLA:H161	1.95	0.48
6:aF:148:ILE:HG13	6:aF:149:PRO:HD3	1.96	0.48
1:bA:322:MET:HA	1:bA:325:MET:HE3	1.95	0.48
13:bB:823:CLA:H91	18:bB:837:LMG:H272	1.94	0.48
1:cA:343:GLU:O	1:cA:347:ASN:ND2	2.46	0.48
2:cB:455:ILE:HD12	6:cF:96:LEU:HD22	1.94	0.48
2:cB:697:LYS:HB2	13:cB:833:CLA:HED3	1.94	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:dA:314:THR:OG1	13:dA:821:CLA:O1D	2.31	0.48
13:dA:802:CLA:H201	13:dB:810:CLA:H2	1.94	0.48
13:dA:804:CLA:HBB2	13:dA:812:CLA:H151	1.95	0.48
1:aA:497:ASN:HB3	1:bA:497:ASN:CG	2.38	0.48
3:aC:52:LYS:NZ	3:aC:67:VAL:O	2.36	0.48
8:aJ:25:LEU:HA	8:aJ:28:ILE:HG22	1.95	0.48
13:bA:843:CLA:H192	15:bI:102:BCR:H391	1.94	0.48
2:cB:562:CYS:HB3	17:cB:802:SF4:S3	2.52	0.48
13:dA:843:CLA:H41	13:dA:843:CLA:H102	1.95	0.48
2:aB:224:PRO:HB3	2:aB:229:ASN:HB3	1.96	0.48
1:bA:89:SER:HB3	1:bA:166:ALA:HB3	1.95	0.48
1:bA:322:MET:HG2	13:bA:822:CLA:HED3	1.95	0.48
13:bA:843:CLA:H102	13:bA:843:CLA:H41	1.95	0.48
2:cB:238:ASP:OD1	2:cB:251:GLY:N	2.44	0.48
7:cI:18:PRO:HA	7:cI:21:VAL:HG22	1.94	0.48
13:dB:816:CLA:H62	13:dB:816:CLA:H41	1.65	0.48
11:dM:4:ASP:OD1	11:dM:4:ASP:N	2.45	0.48
9:aK:124:TRP:HE3	9:aK:125:PRO:HD2	1.78	0.48
2:cB:224:PRO:HB3	2:cB:229:ASN:HB3	1.96	0.48
2:cB:601:HIS:HA	2:cB:604:VAL:HG22	1.96	0.48
13:cB:827:CLA:H2	15:cF:202:BCR:HC42	1.95	0.48
1:dA:259:GLN:O	1:dA:262:THR:OG1	2.28	0.48
4:dD:196:ARG:HH12	5:dE:12:ARG:HG3	1.78	0.48
10:dL:78:TYR:N	10:dL:78:TYR:CD2	2.82	0.48
1:bA:488:GLN:NE2	1:bA:526:ILE:O	2.45	0.48
2:bB:622:TRP:HB3	13:bB:802:CLA:H101	1.96	0.48
13:bB:820:CLA:HBB1	13:bB:827:CLA:HMA1	1.96	0.48
8:bJ:31:PHE:HE1	13:bJ:101:CLA:HED2	1.77	0.48
13:cA:828:CLA:HED1	13:cA:836:CLA:HAB	1.95	0.48
13:cA:834:CLA:H93	13:cB:834:CLA:H203	1.94	0.48
13:cB:809:CLA:H172	13:cB:822:CLA:H201	1.95	0.48
1:dA:112:LYS:NZ	1:dA:383:ASP:OD1	2.42	0.48
13:dA:840:CLA:HHC	13:dA:840:CLA:HBB1	1.95	0.48
8:dJ:31:PHE:HE1	13:dJ:101:CLA:HED2	1.77	0.48
10:dL:69:LEU:HD12	10:dL:72:THR:HG21	1.95	0.48
11:dM:3:ALA:HB3	11:dM:6:GLN:HB2	1.96	0.48
1:aA:99:SER:HB2	1:aA:145:PHE:HZ	1.78	0.48
2:aB:51:PHE:CZ	13:aB:813:CLA:HBB1	2.49	0.48
2:aB:338:LEU:HD12	13:aB:807:CLA:HED1	1.95	0.48
10:bL:42:LEU:O	10:bL:47:ARG:NH2	2.45	0.48
15:bM:101:BCR:H392	15:bM:101:BCR:H371	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:cA:842:CLA:HAC1	14:cA:844:PQN:H171	1.96	0.48
2:cB:38:THR:HG23	2:cB:41:ASN:H	1.79	0.48
2:cB:405:ASN:OD1	2:cB:410:ARG:NH2	2.47	0.48
13:cB:823:CLA:H3A	13:cB:823:CLA:HBA2	1.72	0.48
13:dB:826:CLA:H102	15:dF:202:BCR:HC7	1.95	0.48
6:dF:147:ASP:O	6:dF:151:ALA:N	2.38	0.48
10:dL:138:ALA:O	10:dL:142:LEU:N	2.47	0.48
1:aA:162:THR:O	1:aA:166:ALA:N	2.43	0.47
1:aA:730:ALA:HA	16:aA:850:LHG:H342	1.94	0.47
13:aA:828:CLA:HHC	13:aA:828:CLA:HBB1	1.96	0.47
2:aB:38:THR:HG23	2:aB:41:ASN:H	1.79	0.47
1:bA:692:GLY:N	2:bB:571:CYS:O	2.47	0.47
13:bB:804:CLA:H18	15:bB:836:BCR:H353	1.96	0.47
10:bL:138:ALA:O	10:bL:142:LEU:N	2.47	0.47
1:dA:48:TRP:HA	1:dA:51:ASN:HB2	1.96	0.47
13:dA:822:CLA:H42	13:dA:828:CLA:H93	1.95	0.47
13:dB:804:CLA:H18	15:dB:836:BCR:H353	1.96	0.47
13:aA:842:CLA:HBA2	13:aA:842:CLA:H3A	1.73	0.47
2:aB:68:VAL:HG13	2:aB:135:LEU:HD13	1.97	0.47
6:bF:54:LEU:HD13	6:bF:67:LEU:HB2	1.96	0.47
13:cA:835:CLA:HMC3	13:cB:805:CLA:H122	1.94	0.47
2:cB:51:PHE:CZ	13:cB:813:CLA:HBB1	2.49	0.47
6:cF:148:ILE:HG13	6:cF:149:PRO:HD3	1.96	0.47
1:dA:46:THR:HG22	1:dA:717:ARG:H	1.79	0.47
13:dB:804:CLA:H143	13:dB:832:CLA:H202	1.96	0.47
6:dF:54:LEU:HD13	6:dF:67:LEU:HB2	1.96	0.47
1:aA:424:ASN:OD1	1:aA:429:ARG:NH1	2.44	0.47
13:aA:819:CLA:H3A	13:aA:819:CLA:HBA2	1.63	0.47
13:cA:832:CLA:HBB2	13:cA:840:CLA:HMC2	1.95	0.47
13:cA:837:CLA:H3A	13:cA:837:CLA:HBA2	1.68	0.47
2:cB:44:GLN:NE2	2:cB:163:PRO:O	2.42	0.47
8:cJ:23:GLY:HA2	8:cJ:26:ILE:HD12	1.96	0.47
2:dB:142:LEU:HD13	2:dB:145:LEU:HD12	1.96	0.47
2:dB:231:GLY:O	2:dB:234:THR:OG1	2.31	0.47
13:aA:803:CLA:HBA2	2:aB:427:LEU:HD22	1.96	0.47
2:aB:33:THR:OG1	2:aB:396:ARG:NH2	2.47	0.47
8:bJ:5:LYS:O	8:bJ:8:SER:OG	2.32	0.47
1:cA:397:ILE:HG21	13:cA:830:CLA:HHC	1.96	0.47
2:cB:68:VAL:HG13	2:cB:135:LEU:HD13	1.96	0.47
13:cB:807:CLA:HBA1	13:cB:807:CLA:H3A	1.69	0.47
8:dJ:5:LYS:O	8:dJ:8:SER:OG	2.32	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:aA:823:CLA:H3A	13:aA:823:CLA:HBA2	1.64	0.47
1:bA:48:TRP:HA	1:bA:51:ASN:HB2	1.96	0.47
1:bA:80:HIS:HD2	13:bA:806:CLA:HMB3	1.78	0.47
1:bA:239:LEU:N	1:bA:242:GLU:OE1	2.44	0.47
1:bA:282:LEU:HD12	1:bA:515:VAL:HG21	1.96	0.47
13:bA:806:CLA:HBA1	13:bA:806:CLA:H3A	1.72	0.47
2:bB:10:GLN:N	2:bB:35:ASP:OD1	2.40	0.47
1:dA:202:LEU:O	1:dA:207:GLY:N	2.47	0.47
2:dB:377:TYR:CD1	13:dB:821:CLA:HAB	2.50	0.47
1:aA:181:TYR:HA	1:aA:185:ALA:HB2	1.97	0.47
1:aA:201:HIS:ND1	13:aA:826:CLA:OBD	2.48	0.47
13:aA:818:CLA:CHD	13:aA:819:CLA:HBB2	2.45	0.47
2:aB:548:LYS:HE2	6:aF:184:SER:HA	1.97	0.47
13:aB:809:CLA:H172	13:aB:822:CLA:H201	1.95	0.47
3:aC:38:GLN:HG2	4:aD:183:VAL:HG21	1.95	0.47
1:bA:54:ALA:HB2	16:bA:852:LHG:HC82	1.96	0.47
11:bM:11:LEU:HD13	15:bM:101:BCR:H372	1.95	0.47
1:cA:424:ASN:OD1	1:cA:429:ARG:NH1	2.44	0.47
1:cA:497:ASN:CG	1:dA:497:ASN:ND2	2.73	0.47
1:dA:297:HIS:HE1	13:dA:819:CLA:NC	2.12	0.47
2:dB:552:ASP:OD2	3:dC:66:ARG:NE	2.43	0.47
13:dB:819:CLA:HBB1	15:dB:835:BCR:H19C	1.97	0.47
13:dB:820:CLA:HBB1	13:dB:827:CLA:HMA1	1.96	0.47
13:aA:802:CLA:H91	13:aB:805:CLA:H8	1.97	0.47
2:aB:86:PRO:O	2:aB:116:SER:N	2.39	0.47
2:aB:262:HIS:HD2	2:aB:265:THR:H	1.61	0.47
2:aB:562:CYS:CB	17:aB:802:SF4:S3	3.01	0.47
13:aB:801:CLA:H93	15:aL:205:BCR:H21C	1.96	0.47
6:aF:96:LEU:HG	6:aF:107:GLU:HB3	1.97	0.47
8:aJ:23:GLY:HA2	8:aJ:26:ILE:HD12	1.95	0.47
1:bA:259:GLN:O	1:bA:262:THR:OG1	2.28	0.47
13:bA:840:CLA:HHC	13:bA:840:CLA:HBB1	1.95	0.47
13:bA:842:CLA:HBA2	13:bA:842:CLA:H3A	1.66	0.47
13:bB:804:CLA:H143	13:bB:832:CLA:H202	1.96	0.47
10:bL:69:LEU:HD12	10:bL:72:THR:HG21	1.96	0.47
11:bM:3:ALA:HB3	11:bM:6:GLN:HB2	1.96	0.47
1:cA:318:ILE:HG13	13:cA:821:CLA:HED2	1.97	0.47
2:cB:415:LYS:NZ	6:cF:185:PRO:O	2.36	0.47
1:dA:374:MET:HE3	1:dA:374:MET:HB2	1.73	0.47
6:dF:117:TYR:HA	6:dF:161:TRP:HZ2	1.79	0.47
15:dL:201:BCR:H402	13:dL:202:CLA:H92	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:bA:141:THR:OG1	1:bA:385:ALA:O	2.31	0.47
2:bB:545:ARG:HB3	2:bB:554:LYS:HD3	1.96	0.47
10:bL:110:ASP:N	10:bL:115:GLU:OE1	2.47	0.47
13:cA:827:CLA:H52	13:cA:840:CLA:H62	1.97	0.47
13:aB:806:CLA:HBC1	18:aB:839:LMG:H191	1.97	0.47
1:bA:647:LEU:HD22	2:bB:654:LEU:HD21	1.97	0.47
2:bB:142:LEU:HD13	2:bB:145:LEU:HD12	1.96	0.47
3:bC:73:THR:HG23	3:bC:76:SER:H	1.79	0.47
13:cA:803:CLA:HBA2	2:cB:427:LEU:HD22	1.96	0.47
8:cJ:25:LEU:HA	8:cJ:28:ILE:HG22	1.95	0.47
1:dA:741:TRP:NE1	13:dA:829:CLA:O1A	2.43	0.47
2:dB:90:ALA:HA	2:dB:113:VAL:HG12	1.97	0.47
2:dB:622:TRP:HB3	13:dB:802:CLA:H101	1.96	0.47
10:aL:39:ARG:NH2	10:aL:50:GLU:OE1	2.48	0.47
2:bB:377:TYR:CD1	13:bB:821:CLA:HAB	2.50	0.47
15:bL:201:BCR:H402	13:bL:202:CLA:H92	1.96	0.47
1:cA:159:LEU:CD2	1:cA:159:LEU:N	2.73	0.47
13:cA:818:CLA:CHD	13:cA:819:CLA:HBB2	2.45	0.47
13:cB:801:CLA:H72	13:cB:833:CLA:H43	1.97	0.47
15:cF:202:BCR:HC32	15:cJ:104:BCR:H16C	1.97	0.47
10:cL:39:ARG:NH2	10:cL:50:GLU:OE1	2.48	0.47
1:dA:349:TRP:HB3	13:dA:806:CLA:HAC1	1.97	0.47
2:dB:26:ALA:HA	13:dB:823:CLA:H12	1.95	0.47
2:dB:449:PRO:HB2	6:dF:93:LEU:HD21	1.97	0.47
1:aA:397:ILE:HG21	13:aA:830:CLA:HHC	1.97	0.46
1:aA:598:TRP:HE1	13:aB:805:CLA:C1D	2.28	0.46
13:aB:833:CLA:HAB	14:aB:835:PQN:H192	1.97	0.46
1:cA:283:ASN:O	1:cA:287:GLY:N	2.44	0.46
1:cA:388:LEU:HD13	1:cA:748:ILE:HG21	1.97	0.46
1:cA:559:ASN:OD1	1:cA:559:ASN:N	2.48	0.46
2:cB:191:THR:HG23	2:cB:274:ALA:HB1	1.97	0.46
2:cB:423:SER:O	2:cB:426:SER:OG	2.33	0.46
13:dB:813:CLA:H122	13:dB:813:CLA:H51	1.97	0.46
13:aA:828:CLA:HED1	13:aA:836:CLA:HAB	1.95	0.46
13:aA:842:CLA:HAB	15:aA:849:BCR:H16C	1.98	0.46
1:bA:121:ILE:O	1:bA:123:GLY:N	2.48	0.46
1:bA:552:LYS:HZ2	2:bB:677:LEU:HB2	1.80	0.46
2:bB:449:PRO:HB2	6:bF:93:LEU:HD21	1.98	0.46
2:bB:666:PHE:HA	14:bB:833:PQN:H9	1.97	0.46
1:cA:53:HIS:CE1	13:cA:804:CLA:ND	2.83	0.46
2:cB:65:LEU:HD11	15:cB:836:BCR:H271	1.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:cB:262:HIS:HD2	2:cB:265:THR:H	1.61	0.46
1:dA:432:ARG:HH11	4:dD:90:GLY:HA3	1.81	0.46
1:aA:84:VAL:O	1:aA:88:LEU:N	2.42	0.46
2:aB:405:ASN:OD1	2:aB:410:ARG:NH2	2.47	0.46
2:bB:587:LEU:HD21	2:bB:717:ALA:HA	1.98	0.46
1:cA:181:TYR:HA	1:cA:185:ALA:HB2	1.97	0.46
1:cA:446:ILE:HG12	13:cB:805:CLA:HBA2	1.98	0.46
13:cA:843:CLA:O1D	13:dA:824:CLA:HBA1	2.16	0.46
3:cC:38:GLN:HG2	4:cD:183:VAL:HG21	1.96	0.46
1:dA:664:SER:OG	1:dA:665:ALA:N	2.49	0.46
1:aA:363:LEU:HD21	13:aA:820:CLA:H72	1.97	0.46
13:aA:827:CLA:H52	13:aA:840:CLA:H62	1.97	0.46
13:aA:841:CLA:H151	6:aF:122:ILE:HD11	1.98	0.46
2:aB:65:LEU:HD11	15:aB:836:BCR:H271	1.98	0.46
2:aB:262:HIS:CD2	2:aB:264:GLN:H	2.34	0.46
13:aB:801:CLA:H72	13:aB:833:CLA:H43	1.97	0.46
1:bA:349:TRP:HB3	13:bA:806:CLA:HAC1	1.97	0.46
13:bB:820:CLA:HMB2	13:bB:827:CLA:HBA1	1.98	0.46
1:cA:598:TRP:HE1	13:cB:805:CLA:C1D	2.28	0.46
13:cA:828:CLA:HBB1	13:cA:828:CLA:HHC	1.96	0.46
13:cA:841:CLA:H151	6:cF:122:ILE:HD11	1.98	0.46
2:cB:33:THR:OG1	2:cB:396:ARG:NH2	2.48	0.46
2:cB:224:PRO:HG2	2:cB:232:VAL:HG11	1.98	0.46
2:dB:10:GLN:N	2:dB:35:ASP:OD1	2.40	0.46
15:dL:201:BCR:H24C	15:dL:201:BCR:H371	1.80	0.46
15:dM:101:BCR:H392	15:dM:101:BCR:H371	1.96	0.46
13:aA:829:CLA:H41	13:aA:829:CLA:H62	1.52	0.46
1:bA:46:THR:HG22	1:bA:717:ARG:H	1.79	0.46
1:bA:202:LEU:O	1:bA:207:GLY:N	2.47	0.46
1:bA:227:LEU:O	1:bA:231:GLY:N	2.43	0.46
6:cF:96:LEU:HG	6:cF:107:GLU:HB3	1.97	0.46
9:cK:101:LEU:HD21	13:cK:201:CLA:HBA1	1.97	0.46
1:dA:282:LEU:HD12	1:dA:515:VAL:HG21	1.96	0.46
13:dA:829:CLA:H62	13:dA:829:CLA:H41	1.69	0.46
3:dC:73:THR:HG23	3:dC:76:SER:H	1.79	0.46
1:bA:260:GLY:O	1:bA:272:TYR:OH	2.29	0.46
13:bA:833:CLA:HBB1	13:bL:202:CLA:H143	1.98	0.46
6:bF:117:TYR:HA	6:bF:161:TRP:HZ2	1.79	0.46
1:cA:363:LEU:HD21	13:cA:820:CLA:H72	1.97	0.46
13:cB:815:CLA:HMA2	15:cB:836:BCR:H282	1.98	0.46
1:dA:488:GLN:NE2	1:dA:526:ILE:O	2.45	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:dA:833:CLA:HBB1	13:dL:202:CLA:H143	1.98	0.46
4:dD:128:ARG:H	4:dD:132:ASN:ND2	2.14	0.46
2:aB:601:HIS:HA	2:aB:604:VAL:HG22	1.96	0.46
1:bA:388:LEU:HD22	1:bA:748:ILE:HD13	1.98	0.46
1:bA:664:SER:OG	1:bA:665:ALA:N	2.49	0.46
13:bA:807:CLA:H8	13:bA:831:CLA:HBC3	1.97	0.46
13:cA:822:CLA:H61	15:cA:847:BCR:H352	1.98	0.46
13:cA:833:CLA:H61	13:cA:833:CLA:H41	1.75	0.46
2:cB:548:LYS:HE2	6:cF:184:SER:HA	1.97	0.46
13:cB:801:CLA:H93	15:cL:205:BCR:H21C	1.96	0.46
1:dA:121:ILE:O	1:dA:123:GLY:N	2.48	0.46
1:dA:388:LEU:HD22	1:dA:748:ILE:HD13	1.98	0.46
13:aA:842:CLA:HAC1	14:aA:844:PQN:H171	1.96	0.46
14:aA:844:PQN:H162	13:aF:201:CLA:HAB	1.98	0.46
2:aB:191:THR:HG23	2:aB:274:ALA:HB1	1.97	0.46
9:aK:98:PHE:HB2	13:bL:203:CLA:O1A	2.15	0.46
1:bA:515:VAL:HG23	1:bA:522:ALA:HB3	1.98	0.46
13:bB:818:CLA:H91	13:bB:818:CLA:H111	1.79	0.46
12:cA:801:CL0:H42	13:cA:802:CLA:HED3	1.98	0.46
2:cB:86:PRO:O	2:cB:116:SER:N	2.39	0.46
1:dA:456:TYR:O	1:dA:460:ASP:N	2.47	0.46
1:dA:515:VAL:HG23	1:dA:522:ALA:HB3	1.98	0.46
13:dA:807:CLA:H8	13:dA:831:CLA:HBC3	1.97	0.46
1:aA:318:ILE:HG13	13:aA:821:CLA:HED2	1.97	0.46
1:aA:448:LEU:HB3	1:aA:541:PHE:HB2	1.98	0.46
1:aA:661:SER:O	1:aA:661:SER:OG	2.32	0.46
13:aB:815:CLA:HMA2	15:aB:836:BCR:H282	1.98	0.46
15:aF:202:BCR:HC32	15:aJ:104:BCR:H16C	1.97	0.46
9:aK:101:LEU:HD21	13:aK:201:CLA:HBA1	1.97	0.46
1:bA:432:ARG:HH11	4:bD:90:GLY:HA3	1.81	0.46
1:bA:438:ILE:O	1:bA:442:ASN:N	2.44	0.46
1:dA:426:LEU:HD22	13:dA:832:CLA:HMD3	1.98	0.46
13:dA:834:CLA:H61	13:dB:832:CLA:H18	1.97	0.46
1:aA:43:PRO:HB3	1:aA:48:TRP:HB3	1.98	0.46
1:aA:285:VAL:HG23	1:aA:286:THR:HG23	1.98	0.46
2:aB:423:SER:O	2:aB:426:SER:OG	2.33	0.46
13:aB:824:CLA:H143	18:aB:839:LMG:H231	1.98	0.46
6:aF:61:SER:HB2	6:aF:63:PRO:HD2	1.98	0.46
6:aF:141:GLU:HA	6:aF:144:ILE:HD12	1.98	0.46
13:bA:807:CLA:HBB2	15:bA:848:BCR:H272	1.98	0.46
2:bB:3:THR:OG1	2:bB:13:ALA:O	2.33	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:bB:807:CLA:H61	13:bB:807:CLA:H41	1.63	0.46
1:cA:695:GLN:OE1	1:cA:718:ALA:N	2.46	0.46
13:cA:802:CLA:H91	13:cB:805:CLA:H8	1.97	0.46
13:cB:806:CLA:HBC1	18:cB:839:LMG:H191	1.97	0.46
13:cB:833:CLA:HAB	14:cB:835:PQN:H192	1.97	0.46
10:cL:49:LEU:O	10:cL:53:MET:N	2.42	0.46
1:dA:23:SER:OG	1:dA:24:THR:N	2.45	0.46
1:dA:141:THR:OG1	1:dA:385:ALA:O	2.31	0.46
1:dA:438:ILE:O	1:dA:442:ASN:N	2.44	0.46
13:dA:807:CLA:HBB2	15:dA:848:BCR:H272	1.98	0.46
2:dB:463:ILE:HD13	13:dB:827:CLA:HBB1	1.98	0.46
1:aA:446:ILE:HG12	13:aB:805:CLA:HBA2	1.98	0.45
3:aC:17:CYS:CB	17:aC:102:SF4:S4	2.78	0.45
6:aF:101:ARG:HG3	6:aF:104:HIS:H	1.81	0.45
13:bA:834:CLA:H61	13:bB:832:CLA:H18	1.97	0.45
6:cF:141:GLU:HA	6:cF:144:ILE:HD12	1.98	0.45
2:dB:666:PHE:HA	14:dB:833:PQN:H9	1.97	0.45
10:dL:76:ILE:HG22	10:dL:139:TYR:HD1	1.81	0.45
1:aA:388:LEU:HD13	1:aA:748:ILE:HG21	1.97	0.45
2:bB:416:GLU:O	2:bB:420:SER:OG	2.35	0.45
13:bB:819:CLA:HBB1	15:bB:835:BCR:H19C	1.97	0.45
1:cA:201:HIS:ND1	13:cA:826:CLA:OBD	2.48	0.45
1:dA:24:THR:HG22	1:dA:178:TRP:HE1	1.82	0.45
1:dA:647:LEU:HD22	2:dB:654:LEU:HD21	1.97	0.45
13:dA:835:CLA:H152	15:dL:201:BCR:H372	1.97	0.45
10:dL:121:SER:HA	10:dL:124:VAL:HB	1.98	0.45
13:aA:822:CLA:H61	15:aA:847:BCR:H352	1.98	0.45
2:aB:179:LEU:HA	2:aB:183:PHE:HB2	1.98	0.45
2:aB:224:PRO:HG2	2:aB:232:VAL:HG11	1.97	0.45
10:aL:42:LEU:HB3	10:aL:47:ARG:HB3	1.97	0.45
1:bA:84:VAL:O	1:bA:88:LEU:N	2.42	0.45
13:bB:813:CLA:H122	13:bB:813:CLA:H51	1.97	0.45
2:cB:562:CYS:CB	17:cB:802:SF4:S3	3.01	0.45
2:cB:686:GLU:O	2:cB:692:ASN:ND2	2.50	0.45
13:dA:844:CLA:H3A	13:dA:844:CLA:HBA2	1.53	0.45
1:aA:53:HIS:CE1	13:aA:804:CLA:ND	2.83	0.45
1:aA:162:THR:O	1:aA:163:ALA:C	2.59	0.45
2:aB:203:ARG:NH1	2:aB:253:ALA:O	2.41	0.45
1:bA:620:GLY:HA3	1:bA:630:HIS:HA	1.99	0.45
13:bA:834:CLA:H11	13:bA:843:CLA:H11	1.98	0.45
13:cA:843:CLA:O1A	13:dA:824:CLA:H12	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:cA:845:BCR:H291	13:cK:201:CLA:HBB2	1.98	0.45
2:cB:599:TRP:HD1	2:cB:602:LEU:HD12	1.81	0.45
13:cB:808:CLA:H41	13:cB:808:CLA:H61	1.62	0.45
10:cL:39:ARG:O	10:cL:47:ARG:NH1	2.41	0.45
2:bB:463:ILE:HD13	13:bB:827:CLA:HBB1	1.98	0.45
1:cA:289:LEU:HB2	1:cA:376:PRO:HA	1.99	0.45
1:cA:448:LEU:HB3	1:cA:541:PHE:HB2	1.98	0.45
10:cL:42:LEU:HB3	10:cL:47:ARG:HB3	1.97	0.45
1:dA:356:ASN:O	1:dA:360:PHE:HB2	2.17	0.45
13:dA:819:CLA:HBA2	13:dA:819:CLA:H3A	1.72	0.45
13:dA:833:CLA:H41	13:dA:833:CLA:H61	1.67	0.45
2:dB:334:LEU:HD11	13:dB:823:CLA:HAB	1.99	0.45
13:dB:816:CLA:H3A	13:dB:816:CLA:HBA2	1.72	0.45
6:dF:142:LYS:HA	6:dF:145:ILE:HG13	1.99	0.45
13:aA:827:CLA:HBB1	13:aA:840:CLA:HHB	1.99	0.45
13:aA:843:CLA:CBA	13:bA:824:CLA:C1	2.87	0.45
15:aA:848:BCR:H15C	15:aA:848:BCR:H351	1.79	0.45
13:aB:823:CLA:H3A	13:aB:823:CLA:HBA2	1.72	0.45
1:bA:16:VAL:HG23	1:bA:187:LYS:HB2	1.98	0.45
1:bA:700:SER:O	2:bB:420:SER:OG	2.26	0.45
2:bB:90:ALA:HA	2:bB:113:VAL:HG12	1.97	0.45
2:bB:188:LEU:O	2:bB:191:THR:OG1	2.23	0.45
2:bB:334:LEU:HD11	13:bB:823:CLA:HAB	1.99	0.45
2:cB:203:ARG:NH1	2:cB:253:ALA:O	2.41	0.45
2:cB:353:TYR:O	2:cB:510:SER:OG	2.35	0.45
6:cF:61:SER:HB2	6:cF:63:PRO:HD2	1.98	0.45
1:dA:112:LYS:HA	1:dA:112:LYS:HD2	1.78	0.45
1:dA:239:LEU:N	1:dA:242:GLU:OE1	2.44	0.45
1:dA:584:CYS:HB3	2:dB:670:TRP:HE3	1.82	0.45
10:dL:130:GLY:O	10:dL:134:SER:OG	2.31	0.45
13:aA:840:CLA:H142	13:aA:840:CLA:H111	1.79	0.45
2:aB:599:TRP:HD1	2:aB:602:LEU:HD12	1.81	0.45
1:bA:121:ILE:HG12	1:bA:122:VAL:HG13	1.99	0.45
2:cB:150:LEU:HD21	11:cM:21:ALA:HB2	1.99	0.45
2:cB:177:HIS:HB3	13:cB:814:CLA:HBB1	1.99	0.45
2:cB:358:TYR:HD1	2:cB:361:LEU:HD22	1.82	0.45
4:cD:95:LEU:HD21	4:cD:136:LEU:HA	1.98	0.45
4:cD:105:TYR:OH	4:cD:162:ARG:NH1	2.49	0.45
6:cF:101:ARG:HG3	6:cF:104:HIS:H	1.81	0.45
1:dA:75:SER:OG	1:dA:177:GLY:O	2.35	0.45
1:dA:590:ASP:HA	1:dA:593:PHE:HB3	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:dB:256:THR:OG1	2:dB:257:PHE:N	2.49	0.45
2:dB:455:ILE:HD11	15:dJ:104:BCR:H342	1.99	0.45
2:dB:697:LYS:HA	2:dB:697:LYS:HD3	1.80	0.45
1:aA:87:TRP:HA	13:aA:808:CLA:HBB2	1.99	0.45
13:aA:833:CLA:H12	2:aB:689:PRO:HG2	1.99	0.45
13:aA:836:CLA:HHD	13:bA:837:CLA:HBC1	1.97	0.45
10:aL:111:ALA:H	10:aL:115:GLU:HG2	1.82	0.45
1:bA:119:TRP:CZ3	15:bJ:103:BCR:HC7	2.52	0.45
1:bA:641:ILE:HG13	1:bA:642:THR:HG23	1.98	0.45
1:bA:682:PHE:HZ	13:bA:842:CLA:HBC2	1.82	0.45
1:cA:382:THR:HG21	1:cA:517:VAL:HB	1.99	0.45
13:cA:806:CLA:HBA1	13:cA:806:CLA:H3A	1.71	0.45
13:cA:820:CLA:HBA2	13:cA:820:CLA:H3A	1.82	0.45
13:cA:842:CLA:HAB	15:cA:849:BCR:H16C	1.98	0.45
2:cB:488:ALA:HB3	2:cB:494:PRO:HG3	1.99	0.45
13:cB:826:CLA:H2	13:cB:826:CLA:H62	1.56	0.45
5:cE:7:LYS:HA	5:cE:23:THR:HA	1.98	0.45
10:cL:111:ALA:H	10:cL:115:GLU:HG2	1.81	0.45
1:dA:119:TRP:CZ3	15:dJ:103:BCR:HC7	2.52	0.45
1:dA:559:ASN:OD1	1:dA:559:ASN:N	2.50	0.45
2:dB:587:LEU:HD21	2:dB:717:ALA:HA	1.98	0.45
13:dB:829:CLA:HBA2	13:dB:829:CLA:H3A	1.62	0.45
15:dF:202:BCR:H403	15:dF:202:BCR:H371	1.99	0.45
1:aA:647:LEU:HD23	2:aB:635:ILE:HD11	1.99	0.45
1:bA:578:PRO:HA	1:bA:582:GLY:HA2	1.99	0.45
10:bL:76:ILE:HG22	10:bL:139:TYR:HD1	1.81	0.45
1:cA:524:MET:SD	1:cA:630:HIS:NE2	2.87	0.45
12:cA:801:CL0:H15	12:cA:801:CL0:H2	1.98	0.45
2:cB:125:TYR:O	2:cB:130:ARG:NH1	2.42	0.45
2:cB:179:LEU:HA	2:cB:183:PHE:HB2	1.98	0.45
1:dA:614:MET:O	1:dA:619:TRP:N	2.49	0.45
13:dB:820:CLA:HMB2	13:dB:827:CLA:HBA1	1.98	0.45
12:aA:801:CL0:H42	13:aA:802:CLA:HED3	1.98	0.45
2:bB:256:THR:OG1	2:bB:257:PHE:N	2.49	0.45
2:bB:455:ILE:HD11	15:bJ:104:BCR:H342	1.99	0.45
13:bB:832:CLA:H51	14:bB:833:PQN:H251	1.99	0.45
15:bF:202:BCR:H403	15:bF:202:BCR:H371	1.99	0.45
1:cA:467:ARG:NH2	13:cA:835:CLA:O1D	2.50	0.45
13:cA:843:CLA:C7	13:dA:844:CLA:C7	2.95	0.45
1:aA:467:ARG:NH2	13:aA:835:CLA:O1D	2.50	0.44
12:aA:801:CL0:H2	12:aA:801:CL0:H15	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:aA:843:CLA:H3A	13:aA:843:CLA:HBA2	1.74	0.44
2:aB:85:ARG:HB3	2:aB:115:ILE:HG23	1.99	0.44
2:aB:150:LEU:HD21	11:aM:21:ALA:HB2	1.99	0.44
2:aB:358:TYR:HD1	2:aB:361:LEU:HD22	1.82	0.44
13:aB:826:CLA:H2	13:aB:826:CLA:H62	1.56	0.44
13:bA:835:CLA:H152	15:bL:201:BCR:H372	1.97	0.44
2:bB:724:TYR:HB2	13:bB:802:CLA:HED3	1.99	0.44
1:cA:43:PRO:HB3	1:cA:48:TRP:HB3	1.98	0.44
1:cA:716:PRO:HG2	13:cF:201:CLA:HBC3	1.99	0.44
13:cA:833:CLA:H12	2:cB:689:PRO:HG2	1.99	0.44
2:cB:26:ALA:HA	13:cB:824:CLA:H11	1.99	0.44
2:cB:262:HIS:CD2	2:cB:264:GLN:H	2.34	0.44
1:dA:260:GLY:O	1:dA:272:TYR:OH	2.29	0.44
1:dA:620:GLY:HA3	1:dA:630:HIS:HA	1.99	0.44
2:dB:467:HIS:HE1	13:dB:827:CLA:NB	2.13	0.44
10:dL:110:ASP:N	10:dL:115:GLU:OE1	2.47	0.44
2:aB:686:GLU:O	2:aB:692:ASN:ND2	2.50	0.44
5:aE:7:LYS:HA	5:aE:23:THR:HA	1.98	0.44
1:bA:426:LEU:HD22	13:bA:832:CLA:HMD3	1.98	0.44
13:bA:829:CLA:H3A	13:bA:829:CLA:HBA2	1.70	0.44
3:bC:8:TYR:N	3:bC:64:SER:O	2.35	0.44
4:bD:128:ARG:H	4:bD:132:ASN:ND2	2.14	0.44
10:bL:121:SER:HA	10:bL:124:VAL:HB	1.98	0.44
11:bM:4:ASP:OD1	11:bM:4:ASP:N	2.45	0.44
1:cA:661:SER:O	1:cA:661:SER:OG	2.32	0.44
13:cB:834:CLA:H161	13:cB:834:CLA:H203	1.87	0.44
15:cB:837:BCR:H392	15:cB:837:BCR:H371	2.00	0.44
9:cK:90:VAL:HG21	13:dL:203:CLA:HBA2	1.99	0.44
1:dA:641:ILE:HG13	1:dA:642:THR:HG23	1.98	0.44
1:dA:692:GLY:N	2:dB:571:CYS:O	2.47	0.44
13:dA:802:CLA:H121	13:dB:804:CLA:H171	1.99	0.44
2:dB:416:GLU:O	2:dB:420:SER:OG	2.35	0.44
1:aA:587:SER:O	1:aA:591:HIS:ND1	2.49	0.44
13:aB:824:CLA:H93	18:aB:839:LMG:H372	1.99	0.44
15:aB:837:BCR:H392	15:aB:837:BCR:H371	2.00	0.44
6:aF:64:ALA:HA	6:aF:67:LEU:HB2	1.99	0.44
11:aM:2:LEU:HB3	11:aM:3:ALA:H	1.65	0.44
13:bA:802:CLA:H121	13:bB:804:CLA:H171	1.99	0.44
4:bD:107:ILE:HA	4:bD:160:ILE:HA	1.99	0.44
2:cB:191:THR:HG21	2:cB:278:LEU:HB2	1.99	0.44
13:cB:808:CLA:H51	13:cB:824:CLA:H92	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:dA:834:CLA:H11	13:dA:843:CLA:H11	1.98	0.44
2:dB:558:TYR:HE2	13:dB:823:CLA:HMD1	1.82	0.44
2:dB:695:ARG:HD2	4:dD:97:ARG:NH1	2.32	0.44
13:dB:825:CLA:H143	13:dB:825:CLA:H112	1.81	0.44
15:aA:845:BCR:H291	13:aK:201:CLA:HBB2	1.98	0.44
2:aB:191:THR:HG21	2:aB:278:LEU:HB2	1.99	0.44
2:aB:238:ASP:OD1	2:aB:251:GLY:N	2.44	0.44
3:aC:38:GLN:HG2	4:aD:183:VAL:HG11	2.00	0.44
1:bA:356:ASN:O	1:bA:360:PHE:HB2	2.17	0.44
13:bB:825:CLA:H2	13:bB:825:CLA:H62	1.73	0.44
13:bB:825:CLA:H2	13:bB:825:CLA:H92	1.99	0.44
3:bC:17:CYS:SG	3:bC:18:VAL:N	2.91	0.44
1:cA:647:LEU:HD23	2:cB:635:ILE:HD11	1.99	0.44
13:cA:823:CLA:HBA2	13:cA:823:CLA:H3A	1.64	0.44
13:cB:833:CLA:H72	13:cB:834:CLA:H141	1.99	0.44
10:cL:96:LEU:HD23	10:cL:99:LYS:HB2	1.99	0.44
13:cL:203:CLA:H193	13:cL:203:CLA:H161	1.81	0.44
11:cM:2:LEU:HB3	11:cM:3:ALA:H	1.65	0.44
1:dA:370:HIS:ND1	13:dA:819:CLA:OBD	2.51	0.44
1:aA:382:THR:HG21	1:aA:517:VAL:HB	1.99	0.44
2:aB:177:HIS:HB3	13:aB:814:CLA:HBB1	1.99	0.44
13:aB:833:CLA:H72	13:aB:834:CLA:H141	1.98	0.44
5:aE:3:GLN:HG2	5:aE:6:SER:HB2	2.00	0.44
13:aF:201:CLA:HMC1	15:aF:202:BCR:H381	2.00	0.44
9:aK:125:PRO:CB	13:cK:204:CLA:OBD	2.65	0.44
13:bA:813:CLA:H62	13:bA:813:CLA:H41	1.78	0.44
2:bB:695:ARG:HD2	4:bD:97:ARG:NH1	2.32	0.44
13:bB:825:CLA:H121	13:bB:825:CLA:H162	1.79	0.44
1:cA:87:TRP:HA	13:cA:808:CLA:HBB2	1.99	0.44
1:cA:285:VAL:HG23	1:cA:286:THR:HG23	1.98	0.44
1:cA:566:LYS:HB2	1:cA:566:LYS:HE3	1.79	0.44
14:cA:844:PQN:H162	13:cF:201:CLA:HAB	1.98	0.44
14:cB:835:PQN:H301	18:cB:839:LMG:H181	1.99	0.44
1:dA:635:ASN:HD22	1:dA:649:ASP:HB3	1.83	0.44
13:dA:834:CLA:H121	13:dA:834:CLA:H8	1.82	0.44
10:dL:111:ALA:HA	10:dL:116:SER:HB2	1.99	0.44
4:aD:95:LEU:HD21	4:aD:136:LEU:HA	1.99	0.44
1:bA:24:THR:HG22	1:bA:178:TRP:HE1	1.82	0.44
1:bA:584:CYS:HB3	2:bB:670:TRP:HE3	1.82	0.44
1:bA:635:ASN:HD22	1:bA:649:ASP:HB3	1.83	0.44
13:bB:807:CLA:H162	13:bB:807:CLA:H143	1.87	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:bB:831:CLA:H203	13:bB:831:CLA:H161	1.89	0.44
6:bF:142:LYS:HA	6:bF:145:ILE:HG13	1.99	0.44
1:cA:97:ARG:NE	1:cA:160:TYR:HE1	2.00	0.44
2:cB:458:VAL:HG11	6:cF:97:ILE:HG23	2.00	0.44
13:cB:824:CLA:H143	18:cB:839:LMG:H231	1.98	0.44
11:cM:24:LEU:O	11:cM:28:LEU:N	2.42	0.44
13:dA:820:CLA:HBA2	13:dA:820:CLA:H3A	1.80	0.44
2:dB:188:LEU:HG	13:dB:815:CLA:HBB2	1.99	0.44
15:dB:834:BCR:H15C	15:dB:834:BCR:H351	1.84	0.44
3:dC:17:CYS:SG	3:dC:18:VAL:N	2.91	0.44
2:aB:488:ALA:HB3	2:aB:494:PRO:HG3	1.99	0.44
15:aI:101:BCR:H24C	15:aI:101:BCR:H371	1.78	0.44
11:aM:25:ALA:HB2	15:aM:101:BCR:H332	2.00	0.44
2:bB:231:GLY:O	2:bB:234:THR:OG1	2.31	0.44
6:bF:45:ASN:OD1	6:bF:45:ASN:N	2.49	0.44
1:cA:587:SER:O	1:cA:591:HIS:ND1	2.49	0.44
13:cA:829:CLA:H41	13:cA:829:CLA:H62	1.52	0.44
15:cA:848:BCR:H15C	15:cA:848:BCR:H351	1.79	0.44
2:dB:262:HIS:CD2	2:dB:264:GLN:H	2.36	0.44
4:dD:107:ILE:HA	4:dD:160:ILE:HA	1.99	0.44
15:dL:201:BCR:H20C	15:dL:201:BCR:H361	1.76	0.44
1:aA:289:LEU:HB2	1:aA:376:PRO:HA	1.99	0.44
2:aB:697:LYS:HD3	7:aI:30:GLU:HB3	2.00	0.44
13:aB:807:CLA:HBA1	13:aB:807:CLA:H3A	1.69	0.44
1:bA:456:TYR:O	1:bA:460:ASP:N	2.47	0.44
1:bA:559:ASN:N	1:bA:559:ASN:OD1	2.50	0.44
1:bA:590:ASP:HA	1:bA:593:PHE:HB3	1.98	0.44
13:bA:829:CLA:H41	13:bA:829:CLA:H62	1.69	0.44
13:bB:822:CLA:HBA2	13:bB:822:CLA:H3A	1.67	0.44
1:cA:162:THR:O	1:cA:164:ILE:N	2.51	0.44
6:cF:31:ILE:HG13	6:cF:35:GLN:HG3	2.00	0.44
1:dA:16:VAL:HG23	1:dA:187:LYS:HB2	1.98	0.44
1:dA:682:PHE:HZ	13:dA:842:CLA:HBC2	1.82	0.44
1:dA:741:TRP:O	1:dA:745:HIS:ND1	2.43	0.44
4:dD:86:PRO:HB2	4:dD:125:ALA:HB1	2.00	0.44
1:aA:165:GLY:HA2	1:aA:168:VAL:HG12	2.00	0.44
10:aL:96:LEU:HD23	10:aL:99:LYS:HB2	1.99	0.44
1:bA:325:MET:HE3	1:bA:325:MET:HB2	1.90	0.44
13:cA:835:CLA:HHD	13:cB:811:CLA:HBB2	1.99	0.44
2:cB:555:ASP:OD1	4:cD:200:ASN:ND2	2.51	0.44
13:cB:804:CLA:H41	13:cB:804:CLA:H61	1.66	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
8:cJ:39:PRO:HG3	15:cJ:104:BCR:H393	2.00	0.44
1:dA:578:PRO:HA	1:dA:582:GLY:HA2	1.99	0.44
2:dB:382:LEU:HD21	13:dB:807:CLA:H142	2.00	0.44
1:aA:716:PRO:HG2	13:aF:201:CLA:HBC3	1.99	0.43
2:aB:377:TYR:CD1	13:aB:822:CLA:HAB	2.53	0.43
13:aB:826:CLA:H162	13:aB:826:CLA:H121	1.89	0.43
14:aB:835:PQN:H301	18:aB:839:LMG:H181	1.99	0.43
5:aE:36:VAL:O	5:aE:53:PHE:N	2.39	0.43
1:bA:88:LEU:HD23	1:bA:88:LEU:HA	1.86	0.43
1:bA:373:SER:HA	1:bA:523:MET:HE2	2.00	0.43
1:bA:598:TRP:HE1	13:bB:804:CLA:C1D	2.31	0.43
13:bB:803:CLA:H61	13:bB:803:CLA:H41	1.75	0.43
1:cA:162:THR:C	1:cA:164:ILE:N	2.74	0.43
13:cA:827:CLA:HBB1	13:cA:840:CLA:HHB	1.99	0.43
13:cA:841:CLA:H93	13:cA:841:CLA:H61	1.90	0.43
4:cD:116:VAL:HG22	4:cD:126:ILE:HG12	2.00	0.43
11:cM:25:ALA:HB2	15:cM:101:BCR:H332	2.00	0.43
1:dA:121:ILE:HG12	1:dA:122:VAL:HG13	1.99	0.43
7:dI:25:LEU:HD22	15:dI:102:BCR:H333	2.00	0.43
1:aA:559:ASN:OD1	1:aA:559:ASN:N	2.48	0.43
13:aA:834:CLA:H8	14:aB:835:PQN:H202	1.99	0.43
13:aA:835:CLA:HHD	13:aB:811:CLA:HBB2	1.99	0.43
2:aB:555:ASP:OD1	4:aD:200:ASN:ND2	2.51	0.43
13:aB:808:CLA:H51	13:aB:824:CLA:H92	2.00	0.43
10:bL:111:ALA:HA	10:bL:116:SER:HB2	1.99	0.43
1:cA:121:ILE:O	1:cA:123:GLY:N	2.51	0.43
13:cL:203:CLA:HMA3	15:cL:206:BCR:H20C	2.00	0.43
1:dA:485:GLN:NE2	1:dA:528:LEU:O	2.51	0.43
13:dA:820:CLA:H102	13:dA:820:CLA:H61	1.89	0.43
13:dB:802:CLA:H203	13:dB:802:CLA:H161	1.85	0.43
13:dB:832:CLA:H51	14:dB:833:PQN:H251	2.00	0.43
1:aA:157:LEU:HD23	1:aA:157:LEU:HA	1.87	0.43
1:aA:470:ASP:HB3	13:aA:835:CLA:HED3	1.99	0.43
2:aB:26:ALA:HA	13:aB:824:CLA:H11	1.99	0.43
2:aB:458:VAL:HG11	6:aF:97:ILE:HG23	2.00	0.43
1:bA:370:HIS:ND1	13:bA:819:CLA:OBD	2.51	0.43
1:bA:632:THR:HG21	1:bA:654:GLN:HE21	1.83	0.43
13:bA:818:CLA:H203	13:bA:818:CLA:H162	1.81	0.43
2:bB:188:LEU:HG	13:bB:815:CLA:HBB2	1.99	0.43
2:bB:454:LEU:HB3	2:bB:517:PRO:HB3	2.00	0.43
2:bB:558:TYR:HE2	13:bB:823:CLA:HMD1	1.82	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:bB:809:CLA:H92	15:bB:836:BCR:H342	2.00	0.43
4:bD:136:LEU:HA	4:bD:136:LEU:HD23	1.87	0.43
12:cA:801:CL0:H10	12:cA:801:CL0:H72	1.67	0.43
13:cA:809:CLA:H42	13:cA:829:CLA:H51	1.99	0.43
2:cB:85:ARG:HB3	2:cB:115:ILE:HG23	1.99	0.43
13:cB:824:CLA:H152	18:cB:839:LMG:H441	1.99	0.43
1:dA:700:SER:O	2:dB:420:SER:OG	2.26	0.43
2:dB:3:THR:OG1	2:dB:13:ALA:O	2.33	0.43
7:dI:25:LEU:HD13	15:dI:102:BCR:HC8	2.00	0.43
1:bA:741:TRP:O	1:bA:745:HIS:ND1	2.43	0.43
2:bB:262:HIS:HD2	2:bB:265:THR:H	1.66	0.43
2:bB:456:GLU:HG2	6:bF:95:HIS:HB3	2.00	0.43
2:bB:467:HIS:HE1	13:bB:827:CLA:NB	2.13	0.43
15:bJ:103:BCR:H15C	15:bJ:103:BCR:H351	1.85	0.43
1:cA:470:ASP:HB3	13:cA:835:CLA:HED3	1.99	0.43
13:cA:843:CLA:HBD	13:dA:824:CLA:CBA	2.48	0.43
2:cB:377:TYR:CD1	13:cB:822:CLA:HAB	2.54	0.43
13:cB:817:CLA:HBA2	13:cB:817:CLA:H3A	1.73	0.43
13:cB:827:CLA:H42	8:cJ:28:ILE:HG21	2.00	0.43
2:dB:529:GLY:HA3	2:dB:589:THR:HG22	2.01	0.43
2:dB:724:TYR:HB2	13:dB:802:CLA:HED3	1.99	0.43
13:dB:809:CLA:H92	15:dB:836:BCR:H342	2.00	0.43
1:aA:94:HIS:HE1	13:aA:808:CLA:NA	2.17	0.43
1:bA:297:HIS:HE1	13:bA:819:CLA:NC	2.12	0.43
2:bB:552:ASP:OD2	3:bC:66:ARG:NE	2.43	0.43
7:bI:25:LEU:HD13	15:bI:102:BCR:HC8	2.00	0.43
1:cA:672:MET:HG3	1:cA:741:TRP:HZ3	1.84	0.43
3:cC:38:GLN:HG2	4:cD:183:VAL:HG11	2.00	0.43
10:cL:51:ILE:HG23	10:cL:55:HIS:CE1	2.54	0.43
1:dA:572:ARG:HG3	1:dA:589:TRP:CG	2.54	0.43
1:dA:741:TRP:CD2	15:dA:851:BCR:H322	2.53	0.43
13:dA:821:CLA:H91	13:dA:821:CLA:H112	1.84	0.43
13:dB:811:CLA:H52	13:dB:811:CLA:H8	1.85	0.43
4:dD:81:LEU:HA	4:dD:82:ASN:HA	1.67	0.43
1:aA:121:ILE:O	1:aA:123:GLY:N	2.51	0.43
1:aA:155:THR:O	1:aA:158:GLN:HG3	2.18	0.43
1:aA:435:ASP:O	1:aA:439:SER:OG	2.32	0.43
1:aA:497:ASN:O	1:bA:497:ASN:ND2	2.51	0.43
13:aB:810:CLA:H2	13:aB:810:CLA:H62	1.76	0.43
8:aJ:39:PRO:HG3	15:aJ:104:BCR:H393	2.00	0.43
9:aK:130:ILE:CD1	9:cK:126:PHE:CG	2.95	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:aL:51:ILE:HG23	10:aL:55:HIS:CE1	2.54	0.43
1:bA:75:SER:OG	1:bA:177:GLY:O	2.35	0.43
13:bA:829:CLA:H152	13:bA:829:CLA:H111	1.72	0.43
2:bB:129:MET:O	2:bB:130:ARG:NH1	2.43	0.43
2:bB:382:LEU:HD21	13:bB:807:CLA:H142	2.00	0.43
4:bD:151:ASP:O	4:bD:154:LYS:NZ	2.51	0.43
13:cB:824:CLA:H93	18:cB:839:LMG:H372	1.99	0.43
1:dA:598:TRP:HE1	13:dB:804:CLA:C1D	2.31	0.43
13:dA:829:CLA:H41	13:dA:829:CLA:H101	2.00	0.43
2:dB:595:PHE:HB3	2:dB:622:TRP:HZ3	1.84	0.43
4:dD:151:ASP:O	4:dD:154:LYS:NZ	2.51	0.43
1:aA:524:MET:SD	1:aA:630:HIS:NE2	2.87	0.43
1:aA:549:ILE:HG12	13:aB:805:CLA:HMD3	2.00	0.43
1:aA:672:MET:HG3	1:aA:741:TRP:HZ3	1.84	0.43
6:aF:125:SER:HA	6:aF:154:SER:HB2	2.01	0.43
10:aL:43:THR:O	10:aL:47:ARG:N	2.38	0.43
13:bA:809:CLA:HBA2	13:bA:809:CLA:H3A	1.61	0.43
13:bB:818:CLA:H3A	13:bB:818:CLA:HBA2	1.77	0.43
15:bL:201:BCR:H361	15:bL:201:BCR:H20C	1.76	0.43
13:cA:822:CLA:HBB1	13:cA:828:CLA:H72	2.01	0.43
13:cA:834:CLA:HMD3	15:cL:201:BCR:H372	2.01	0.43
13:cA:843:CLA:HBD	13:dA:824:CLA:HBA1	2.00	0.43
2:cB:59:LEU:O	2:cB:63:GLY:N	2.50	0.43
13:cB:819:CLA:HBA2	13:cB:819:CLA:H3A	1.83	0.43
6:cF:64:ALA:HA	6:cF:67:LEU:HB2	1.99	0.43
13:cF:201:CLA:HMC1	15:cF:202:BCR:H381	2.00	0.43
1:dA:118:VAL:HG11	1:dA:124:GLN:HB2	2.01	0.43
4:dD:136:LEU:HD23	4:dD:136:LEU:HA	1.87	0.43
13:dL:202:CLA:H8	13:dL:202:CLA:H51	1.63	0.43
1:aA:410:ALA:HB1	1:aA:588:ALA:HB1	2.01	0.43
1:aA:680:TRP:HZ3	13:aB:804:CLA:HMD3	1.84	0.43
13:aA:809:CLA:H42	13:aA:829:CLA:H51	1.99	0.43
13:aA:826:CLA:H143	13:aA:826:CLA:H111	1.88	0.43
13:aB:824:CLA:H152	18:aB:839:LMG:H441	1.99	0.43
1:bA:594:LEU:HD23	1:bA:594:LEU:HA	1.90	0.43
13:cA:834:CLA:H8	14:cB:835:PQN:H202	1.99	0.43
13:cB:801:CLA:H143	13:cB:801:CLA:H161	1.84	0.43
13:dB:808:CLA:H203	13:dB:808:CLA:H162	1.80	0.43
13:dL:202:CLA:H142	13:dL:202:CLA:H112	1.81	0.43
1:aA:658:VAL:HG22	1:aA:670:GLY:HA2	2.01	0.43
13:aA:812:CLA:H193	16:aA:850:LHG:H222	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:aA:841:CLA:H162	13:aF:201:CLA:H12	2.01	0.43
13:aA:842:CLA:HBC1	15:aF:202:BCR:H392	2.00	0.43
6:aF:31:ILE:HG13	6:aF:35:GLN:HG3	2.00	0.43
1:bA:220:VAL:HG13	1:bA:240:PRO:HB3	2.01	0.43
1:bA:485:GLN:NE2	1:bA:528:LEU:O	2.51	0.43
1:bA:572:ARG:HG3	1:bA:589:TRP:CG	2.53	0.43
12:bA:801:CL0:H14	13:bB:802:CLA:HAA1	2.01	0.43
13:bA:812:CLA:H143	13:bA:812:CLA:H161	1.88	0.43
2:bB:501:LEU:HA	2:bB:504:ILE:HG22	2.00	0.43
2:bB:595:PHE:HB3	2:bB:622:TRP:HZ3	1.83	0.43
1:cA:410:ALA:HB1	1:cA:588:ALA:HB1	2.01	0.43
13:cA:842:CLA:HBC1	15:cF:202:BCR:H392	2.00	0.43
3:cC:81:TYR:HB3	4:cD:96:LEU:HD11	2.00	0.43
5:cE:3:GLN:HG2	5:cE:6:SER:HB2	2.00	0.43
1:dA:14:LYS:HD3	1:dA:14:LYS:HA	1.82	0.43
1:dA:229:ASP:HB3	1:dA:285:VAL:HG11	2.01	0.43
15:dA:847:BCR:H15C	15:dA:847:BCR:H351	1.92	0.43
6:dF:168:GLU:HB3	6:dF:174:LEU:HD12	2.01	0.43
13:aA:821:CLA:H142	13:aA:821:CLA:H111	1.88	0.43
13:aA:823:CLA:H51	13:aA:823:CLA:H8	1.84	0.43
13:aA:836:CLA:H61	13:aA:836:CLA:H41	1.83	0.43
13:bA:822:CLA:HAC2	13:bA:828:CLA:H193	2.00	0.43
13:bA:829:CLA:H41	13:bA:829:CLA:H101	2.00	0.43
2:bB:262:HIS:CD2	2:bB:264:GLN:H	2.36	0.43
10:bL:35:LEU:HD23	10:bL:35:LEU:HA	1.88	0.43
1:cA:390:LEU:HD23	1:cA:390:LEU:HA	1.91	0.43
1:cA:680:TRP:HZ3	13:cB:804:CLA:HMD3	1.84	0.43
13:cA:807:CLA:H151	13:cA:830:CLA:HBB2	2.01	0.43
13:cA:843:CLA:HAA1	13:dA:824:CLA:HBA1	2.01	0.43
10:cL:42:LEU:HD23	10:cL:42:LEU:HA	1.87	0.43
15:cM:101:BCR:H15C	15:cM:101:BCR:H351	1.94	0.43
1:dA:227:LEU:O	1:dA:231:GLY:N	2.43	0.43
13:dA:833:CLA:H151	13:dA:833:CLA:H112	1.89	0.43
6:dF:33:CYS:HB3	6:dF:88:CYS:HB2	1.54	0.43
13:aA:809:CLA:H3A	13:aA:809:CLA:HBA2	1.69	0.42
2:aB:696:TRP:HB3	13:aB:833:CLA:C1D	2.49	0.42
13:aB:801:CLA:H61	13:aB:801:CLA:H41	1.82	0.42
4:aD:117:PHE:HB2	4:aD:148:GLN:HE22	1.85	0.42
2:bB:529:GLY:HA3	2:bB:589:THR:HG22	2.01	0.42
6:bF:40:GLU:OE1	6:bF:82:ARG:NH2	2.41	0.42
6:bF:100:GLY:H	15:bF:203:BCR:H291	1.84	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:cA:834:CLA:H41	13:cB:801:CLA:HBC2	2.01	0.42
2:cB:697:LYS:HD3	7:cI:30:GLU:HB3	2.00	0.42
1:dA:373:SER:HA	1:dA:523:MET:HE2	2.00	0.42
1:dA:456:TYR:CE1	1:dA:538:ILE:HD11	2.54	0.42
1:dA:608:PHE:HB3	1:dA:646:TRP:HZ3	1.84	0.42
1:dA:632:THR:HG21	1:dA:654:GLN:HE21	1.83	0.42
13:dA:835:CLA:HHD	13:dB:810:CLA:HBB2	2.01	0.42
13:dB:807:CLA:HED3	13:dB:807:CLA:H2	2.01	0.42
13:aA:833:CLA:H41	13:aA:833:CLA:H61	1.75	0.42
13:aB:815:CLA:H2	13:aB:815:CLA:H62	1.87	0.42
3:aC:81:TYR:HB3	4:aD:96:LEU:HD11	2.00	0.42
9:aK:126:PHE:CD2	9:cK:130:ILE:HD11	2.53	0.42
1:bA:741:TRP:CD2	15:bA:851:BCR:H322	2.53	0.42
13:bA:841:CLA:H3A	13:bA:841:CLA:HBA2	1.79	0.42
13:bB:808:CLA:H203	13:bB:808:CLA:H162	1.80	0.42
13:bB:832:CLA:C2B	15:bB:836:BCR:H14C	2.49	0.42
6:bF:99:ASP:OD1	6:bF:99:ASP:N	2.50	0.42
1:cA:165:GLY:HA2	1:cA:168:VAL:HG12	2.00	0.42
13:cA:843:CLA:H3A	13:cA:843:CLA:HBA2	1.75	0.42
2:cB:42:LEU:O	2:cB:46:ILE:HG12	2.20	0.42
2:cB:696:TRP:HB3	13:cB:833:CLA:C1D	2.49	0.42
13:cB:826:CLA:H162	13:cB:826:CLA:H121	1.89	0.42
1:dA:535:VAL:HA	1:dA:538:ILE:HD12	2.01	0.42
1:dA:715:GLN:HB3	5:dE:42:LYS:HE2	2.00	0.42
2:dB:454:LEU:HB3	2:dB:517:PRO:HB3	2.00	0.42
13:aA:807:CLA:H151	13:aA:830:CLA:HBB2	2.01	0.42
14:aA:844:PQN:H302	14:aA:844:PQN:H262	1.87	0.42
16:aA:850:LHG:H382	16:aA:850:LHG:H352	1.89	0.42
13:aB:827:CLA:H42	8:aJ:28:ILE:HG21	2.00	0.42
15:aB:838:BCR:H20C	15:aB:838:BCR:H361	1.84	0.42
1:bA:118:VAL:HG11	1:bA:124:GLN:HB2	2.01	0.42
13:cA:812:CLA:H193	16:cA:850:LHG:H222	2.01	0.42
1:dA:697:LEU:HD12	1:dA:697:LEU:HA	1.82	0.42
2:dB:262:HIS:HD2	2:dB:265:THR:H	1.66	0.42
2:dB:501:LEU:HA	2:dB:504:ILE:HG22	2.00	0.42
13:dB:818:CLA:HBA2	13:dB:818:CLA:H3A	1.77	0.42
13:dB:825:CLA:H92	13:dB:825:CLA:H2	1.99	0.42
13:dB:829:CLA:H142	13:dB:829:CLA:H112	1.84	0.42
13:dB:832:CLA:C2B	15:dB:836:BCR:H14C	2.49	0.42
1:aA:681:ALA:C	13:aA:803:CLA:HAB	2.45	0.42
13:aA:822:CLA:HBB1	13:aA:828:CLA:H72	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:aB:42:LEU:O	2:aB:46:ILE:HG12	2.20	0.42
15:aL:201:BCR:H15C	15:aL:201:BCR:H351	1.93	0.42
13:aL:203:CLA:HMA3	15:aL:206:BCR:H20C	2.00	0.42
1:bA:499:ALA:HB1	13:bA:837:CLA:HED1	2.02	0.42
1:bA:715:GLN:HB3	5:bE:42:LYS:HE2	2.00	0.42
13:bA:835:CLA:HHD	13:bB:810:CLA:HBB2	2.01	0.42
13:bA:843:CLA:H91	13:bA:843:CLA:H111	1.85	0.42
15:bA:847:BCR:H20C	15:bA:847:BCR:H361	1.89	0.42
13:bL:202:CLA:H112	13:bL:202:CLA:H142	1.81	0.42
1:dA:121:ILE:HD12	15:dJ:103:BCR:H322	2.01	0.42
13:dA:806:CLA:HBA1	13:dA:806:CLA:H3A	1.72	0.42
2:dB:693:LEU:HD22	10:dL:114:TRP:CD1	2.54	0.42
13:dB:819:CLA:HED2	13:dB:820:CLA:HBD	2.01	0.42
3:dC:8:TYR:N	3:dC:64:SER:O	2.35	0.42
6:dF:99:ASP:OD1	6:dF:99:ASP:N	2.51	0.42
1:aA:119:TRP:CG	13:aA:810:CLA:HED3	2.54	0.42
13:aA:809:CLA:HMB2	15:aJ:102:BCR:H373	2.02	0.42
13:aA:834:CLA:H41	13:aB:801:CLA:HBC2	2.00	0.42
2:aB:408:LEU:HD12	2:aB:408:LEU:HA	1.87	0.42
4:aD:116:VAL:HG22	4:aD:126:ILE:HG12	2.00	0.42
1:bA:382:THR:HG21	1:bA:517:VAL:HB	2.02	0.42
1:bA:614:MET:O	1:bA:619:TRP:N	2.49	0.42
1:bA:697:LEU:HD12	1:bA:697:LEU:HA	1.82	0.42
13:bA:807:CLA:H92	13:bA:807:CLA:H61	1.88	0.42
13:bA:818:CLA:CHD	13:bA:819:CLA:HBB2	2.50	0.42
13:bB:816:CLA:H3A	13:bB:816:CLA:HBA2	1.72	0.42
4:bD:216:SER:O	4:bD:216:SER:OG	2.34	0.42
5:bE:6:SER:H	5:bE:24:VAL:HG22	1.85	0.42
13:cA:809:CLA:HMB2	15:cJ:102:BCR:H373	2.02	0.42
2:cB:704:SER:OG	2:cB:705:ILE:N	2.52	0.42
15:cB:836:BCR:H20C	15:cB:836:BCR:H361	1.85	0.42
10:cL:55:HIS:NE2	13:cL:203:CLA:C4D	2.83	0.42
1:dA:559:ASN:HD22	4:dD:120:PRO:HA	1.84	0.42
1:dA:572:ARG:NH1	13:dA:831:CLA:O1D	2.53	0.42
1:dA:599:MET:HE3	1:dA:599:MET:HB3	1.66	0.42
1:dA:607:LEU:O	1:dA:611:SER:OG	2.34	0.42
1:dA:703:TRP:HH2	13:dB:824:CLA:HED3	1.84	0.42
15:dA:847:BCR:H20C	15:dA:847:BCR:H361	1.89	0.42
1:aA:185:ALA:HA	1:aA:186:PRO:HD3	1.89	0.42
1:aA:583:THR:HB	1:aA:586:VAL:HG21	2.01	0.42
13:aA:843:CLA:C7	13:bA:824:CLA:CMB	2.97	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:bA:112:LYS:HD2	1:bA:112:LYS:HA	1.78	0.42
1:bA:535:VAL:HA	1:bA:538:ILE:HD12	2.01	0.42
13:bA:833:CLA:H41	13:bA:833:CLA:H61	1.67	0.42
2:bB:156:HIS:HE1	13:bB:812:CLA:C4D	2.33	0.42
2:bB:276:HIS:HE1	13:bB:817:CLA:ND	2.17	0.42
2:bB:389:HIS:HA	2:bB:392:ILE:HD12	2.01	0.42
2:bB:693:LEU:HD22	10:bL:114:TRP:CD1	2.54	0.42
13:bB:807:CLA:H2	13:bB:807:CLA:HED3	2.01	0.42
1:cA:549:ILE:HG12	13:cB:805:CLA:HMD3	2.00	0.42
1:cA:658:VAL:HG22	1:cA:670:GLY:HA2	2.01	0.42
13:cA:802:CLA:C1B	13:cB:805:CLA:HBB1	2.49	0.42
13:cA:841:CLA:H162	13:cF:201:CLA:H12	2.01	0.42
13:cB:809:CLA:H122	15:cI:101:BCR:HC41	2.01	0.42
6:cF:30:LEU:HB3	6:cF:87:LEU:HB3	2.02	0.42
6:cF:47:THR:O	6:cF:51:GLU:N	2.52	0.42
15:cI:101:BCR:H20C	15:cI:101:BCR:H361	1.82	0.42
1:dA:47:THR:O	1:dA:51:ASN:N	2.40	0.42
1:dA:375:PRO:HA	1:dA:376:PRO:HD3	1.77	0.42
15:dA:849:BCR:H15C	15:dA:849:BCR:H351	1.87	0.42
6:dF:69:LYS:HE3	6:dF:69:LYS:HB2	1.78	0.42
7:dI:6:PRO:O	7:dI:10:VAL:HG22	2.19	0.42
1:aA:100:ASN:HB2	1:aA:103:ALA:HB3	2.02	0.42
2:aB:415:LYS:NZ	6:aF:185:PRO:O	2.36	0.42
1:bA:121:ILE:HD12	15:bJ:103:BCR:H322	2.01	0.42
1:bA:559:ASN:HD22	4:bD:120:PRO:HA	1.84	0.42
7:bI:25:LEU:HD22	15:bI:102:BCR:H333	2.00	0.42
13:bL:202:CLA:H8	13:bL:202:CLA:H51	1.63	0.42
1:cA:100:ASN:HB2	1:cA:103:ALA:HB3	2.02	0.42
1:cA:345:PHE:HB2	13:cA:826:CLA:HBC3	2.02	0.42
1:cA:524:MET:HE3	1:cA:524:MET:HB2	1.80	0.42
13:cB:810:CLA:H62	13:cB:810:CLA:H2	1.76	0.42
11:cM:20:LEU:O	11:cM:24:LEU:N	2.46	0.42
1:dA:147:MET:HE2	1:dA:147:MET:HB3	1.79	0.42
13:dA:842:CLA:HBA2	13:dA:842:CLA:H3A	1.66	0.42
2:dB:374:HIS:HE2	13:dB:822:CLA:C1B	2.33	0.42
2:dB:496:TRP:CD1	2:dB:497:LEU:HD22	2.55	0.42
6:dF:40:GLU:OE1	6:dF:82:ARG:NH2	2.41	0.42
1:aA:265:PHE:HZ	15:aA:845:BCR:H271	1.84	0.42
1:aA:375:PRO:HA	1:aA:376:PRO:HD3	1.88	0.42
13:aA:802:CLA:C1B	13:aB:805:CLA:HBB1	2.49	0.42
13:aA:806:CLA:HBA1	13:aA:806:CLA:H3A	1.71	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:aB:704:SER:OG	2:aB:705:ILE:N	2.52	0.42
4:aD:105:TYR:OH	4:aD:162:ARG:NH1	2.49	0.42
6:aF:99:ASP:O	13:aF:204:CLA:ND	2.52	0.42
1:bA:198:MET:HB3	1:bA:198:MET:HE3	1.76	0.42
1:bA:440:HIS:HB2	13:bA:832:CLA:HAB	2.02	0.42
13:bA:834:CLA:H193	15:bI:102:BCR:H343	2.01	0.42
15:bA:851:BCR:H342	15:bA:851:BCR:H331	2.02	0.42
4:bD:86:PRO:HB2	4:bD:125:ALA:HB1	2.00	0.42
1:cA:119:TRP:CG	13:cA:810:CLA:HED3	2.54	0.42
1:cA:490:VAL:O	1:cA:494:ALA:HB2	2.19	0.42
13:cA:829:CLA:H93	13:cA:829:CLA:H111	1.89	0.42
13:cA:841:CLA:HAA2	13:cB:825:CLA:HMB2	2.02	0.42
2:cB:724:TYR:HB2	13:cB:803:CLA:HED3	2.02	0.42
6:cF:125:SER:HA	6:cF:154:SER:HB2	2.01	0.42
13:dA:813:CLA:HED2	13:dA:814:CLA:HBC1	2.01	0.42
2:dB:456:GLU:HG2	6:dF:95:HIS:HB3	2.00	0.42
2:dB:654:LEU:HD23	2:dB:654:LEU:HA	1.91	0.42
13:aA:829:CLA:HBA2	13:aA:829:CLA:H3A	1.85	0.42
4:aD:109:TRP:CD1	4:aD:155:ILE:HG21	2.55	0.42
1:bA:147:MET:HE2	1:bA:147:MET:HB3	1.79	0.42
1:bA:693:TYR:O	2:bB:539:LYS:NZ	2.52	0.42
13:bA:809:CLA:H143	13:bA:809:CLA:H112	1.91	0.42
13:bA:843:CLA:H202	13:bA:843:CLA:H162	1.86	0.42
2:bB:374:HIS:HE2	13:bB:822:CLA:C1B	2.33	0.42
13:bB:805:CLA:H91	15:bM:101:BCR:H12C	2.02	0.42
1:cA:94:HIS:HE1	13:cA:808:CLA:NA	2.17	0.42
1:cA:538:ILE:HG21	12:cA:801:CL0:H60	2.01	0.42
3:cC:54:CYS:SG	3:cC:55:GLU:N	2.93	0.42
4:cD:109:TRP:CD1	4:cD:155:ILE:HG21	2.55	0.42
4:cD:117:PHE:HB2	4:cD:148:GLN:HE22	1.85	0.42
6:cF:99:ASP:O	13:cF:204:CLA:ND	2.52	0.42
6:cF:154:SER:HA	6:cF:157:LYS:HB2	2.02	0.42
9:cK:106:PHE:HA	15:dL:204:BCR:H281	2.02	0.42
13:dA:822:CLA:HAC2	13:dA:828:CLA:H193	2.00	0.42
13:dA:834:CLA:H193	15:dI:102:BCR:H343	2.01	0.42
14:dA:845:PQN:H141	14:dA:845:PQN:H161	1.75	0.42
2:dB:236:ASN:HA	2:dB:237:PRO:HD3	1.94	0.42
2:dB:380:GLY:HA2	13:dB:819:CLA:HAC2	2.02	0.42
2:dB:522:VAL:HG11	2:dB:596:TYR:HB2	2.02	0.42
13:dB:808:CLA:H92	13:dB:808:CLA:HMC2	2.02	0.42
13:dB:811:CLA:H203	13:dB:811:CLA:H161	1.93	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:dF:100:GLY:H	15:dF:203:BCR:H291	1.84	0.42
13:aA:842:CLA:H92	14:aA:844:PQN:H251	2.02	0.42
13:aB:822:CLA:H143	13:aB:822:CLA:H162	1.89	0.42
6:aF:154:SER:HA	6:aF:157:LYS:HB2	2.02	0.42
1:bA:274:ASP:OD1	1:bA:274:ASP:N	2.42	0.42
1:bA:344:ILE:HD11	1:bA:422:ASN:HD21	1.85	0.42
1:bA:374:MET:HE3	1:bA:374:MET:HB2	1.73	0.42
14:bA:845:PQN:H141	14:bA:845:PQN:H161	1.75	0.42
13:bB:819:CLA:HED2	13:bB:820:CLA:HBD	2.01	0.42
1:cA:265:PHE:HZ	15:cA:845:BCR:H271	1.84	0.42
1:cA:651:LEU:HD12	1:cA:651:LEU:HA	1.83	0.42
2:cB:169:LYS:HB3	2:cB:327:ASN:HD21	1.85	0.42
13:cB:831:CLA:HAC2	15:cF:203:BCR:H401	2.01	0.42
10:cL:90:LEU:HD13	15:cL:205:BCR:H401	2.02	0.42
13:dA:818:CLA:CHD	13:dA:819:CLA:HBB2	2.50	0.42
1:aA:465:LEU:HD23	1:aA:465:LEU:HA	1.87	0.41
1:aA:538:ILE:HG21	12:aA:801:CL0:H60	2.01	0.41
2:aB:169:LYS:HB3	2:aB:327:ASN:HD21	1.85	0.41
1:bA:710:PHE:HB3	6:bF:127:ARG:HG2	2.02	0.41
13:bA:813:CLA:HED2	13:bA:814:CLA:HBC1	2.01	0.41
2:bB:496:TRP:CD1	2:bB:497:LEU:HD22	2.55	0.41
2:bB:697:LYS:HA	2:bB:697:LYS:HD3	1.80	0.41
13:bB:822:CLA:H142	13:bB:822:CLA:H111	1.89	0.41
6:bF:168:GLU:HB3	6:bF:174:LEU:HD12	2.01	0.41
10:cL:35:LEU:HD23	10:cL:35:LEU:HA	1.86	0.41
1:dA:65:ASP:OD2	1:dA:68:GLU:N	2.46	0.41
1:dA:325:MET:HE3	1:dA:325:MET:HB2	1.90	0.41
13:dA:826:CLA:H143	13:dA:826:CLA:H111	1.85	0.41
2:dB:389:HIS:HA	2:dB:392:ILE:HD12	2.01	0.41
4:dD:182:LYS:HA	4:dD:182:LYS:HD2	1.85	0.41
15:dF:203:BCR:H11C	15:dF:203:BCR:H341	1.83	0.41
13:aA:820:CLA:HAB	13:aA:820:CLA:H111	2.02	0.41
13:aA:841:CLA:HAA2	13:aB:825:CLA:HMB2	2.02	0.41
2:aB:353:TYR:O	2:aB:510:SER:OG	2.35	0.41
2:aB:525:ALA:HB1	13:aB:803:CLA:H171	2.01	0.41
13:aB:831:CLA:HAC2	15:aF:203:BCR:H401	2.01	0.41
6:aF:30:LEU:HB3	6:aF:87:LEU:HB3	2.02	0.41
15:aI:101:BCR:HC7	15:aI:101:BCR:H10C	1.87	0.41
1:bA:703:TRP:HH2	13:bB:824:CLA:HED3	1.84	0.41
13:bA:820:CLA:HBA2	13:bA:820:CLA:H3A	1.80	0.41
13:bA:834:CLA:H141	13:bA:834:CLA:H161	1.88	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:bB:818:CLA:HBB1	13:bB:818:CLA:HHC	2.02	0.41
8:bJ:23:GLY:HA3	13:bJ:101:CLA:HAB	2.01	0.41
16:cA:850:LHG:H382	16:cA:850:LHG:H352	1.89	0.41
2:cB:79:LYS:HB3	2:cB:79:LYS:HE2	1.81	0.41
2:cB:158:GLN:O	2:cB:162:ARG:HG3	2.20	0.41
13:cB:826:CLA:H202	13:cB:826:CLA:H161	1.88	0.41
13:cB:834:CLA:H143	13:cB:834:CLA:H111	1.89	0.41
6:cF:145:ILE:HA	8:cJ:9:THR:HA	2.02	0.41
1:dA:84:VAL:O	1:dA:88:LEU:N	2.42	0.41
13:dA:807:CLA:H2	13:dA:807:CLA:H62	1.68	0.41
5:dE:2:VAL:HG21	5:dE:58:VAL:HG23	2.01	0.41
1:aA:695:GLN:OE1	1:aA:718:ALA:N	2.46	0.41
3:aC:54:CYS:SG	3:aC:55:GLU:N	2.93	0.41
8:aJ:25:LEU:HD23	15:aJ:102:BCR:HC8	2.02	0.41
1:bA:141:THR:OG1	1:bA:141:THR:O	2.38	0.41
1:bA:229:ASP:HB3	1:bA:285:VAL:HG11	2.01	0.41
1:bA:608:PHE:HB3	1:bA:646:TRP:HZ3	1.84	0.41
13:bA:809:CLA:H72	13:bA:829:CLA:H92	2.02	0.41
13:bB:804:CLA:H193	13:bB:811:CLA:HAC1	2.02	0.41
13:bL:202:CLA:H161	13:bL:202:CLA:H193	1.84	0.41
13:cB:810:CLA:H62	13:cB:810:CLA:H101	1.90	0.41
13:dA:829:CLA:H62	13:dA:829:CLA:H101	1.87	0.41
13:dA:836:CLA:HBA1	15:dA:850:BCR:H381	2.02	0.41
2:dB:217:PRO:HD2	13:dB:815:CLA:C2D	2.51	0.41
2:aB:172:GLU:OE1	2:aB:323:TYR:OH	2.34	0.41
2:aB:526:ILE:HD13	2:aB:593:THR:HG22	2.02	0.41
13:aB:807:CLA:H62	13:aB:807:CLA:H101	1.97	0.41
13:aB:809:CLA:H122	15:aI:101:BCR:HC41	2.01	0.41
9:aK:130:ILE:HD11	9:cK:126:PHE:CD2	2.52	0.41
1:bA:456:TYR:CE1	1:bA:538:ILE:HD11	2.54	0.41
1:bA:572:ARG:NH1	13:bA:831:CLA:O1D	2.53	0.41
13:bA:807:CLA:H2	13:bA:807:CLA:H62	1.68	0.41
13:bA:820:CLA:H172	13:bA:828:CLA:H51	2.03	0.41
13:bA:828:CLA:H202	13:bA:828:CLA:H162	1.86	0.41
5:bE:2:VAL:HG21	5:bE:58:VAL:HG23	2.01	0.41
1:cA:583:THR:HB	1:cA:586:VAL:HG21	2.01	0.41
1:dA:142:SER:HB2	13:dA:829:CLA:HAA2	2.02	0.41
1:dA:197:MET:HG2	1:dA:201:HIS:HD1	1.86	0.41
1:dA:247:LYS:HE3	1:dA:247:LYS:HB3	1.87	0.41
1:dA:693:TYR:O	2:dB:539:LYS:NZ	2.52	0.41
13:aA:834:CLA:HMD3	15:aL:201:BCR:H372	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:aB:456:GLU:HA	2:aB:457:PRO:HD3	1.93	0.41
1:bA:599:MET:HE3	1:bA:599:MET:HB3	1.65	0.41
1:bA:651:LEU:HD23	1:bA:651:LEU:HA	1.88	0.41
2:bB:217:PRO:HD2	13:bB:815:CLA:C2D	2.51	0.41
5:bE:7:LYS:HG2	5:bE:23:THR:HG22	2.02	0.41
6:bF:128:SER:OG	6:bF:154:SER:O	2.33	0.41
13:cA:820:CLA:HAB	13:cA:820:CLA:H111	2.02	0.41
8:cJ:11:PRO:HB2	15:cJ:103:BCR:H391	2.03	0.41
13:dA:809:CLA:H72	13:dA:829:CLA:H92	2.02	0.41
13:dA:828:CLA:H202	13:dA:828:CLA:H162	1.86	0.41
2:dB:126:THR:HG21	2:dB:358:TYR:HA	2.03	0.41
5:dE:7:LYS:HG2	5:dE:23:THR:HG22	2.01	0.41
1:aA:479:LEU:HD23	1:aA:479:LEU:HA	1.89	0.41
13:aA:833:CLA:H93	13:aL:203:CLA:H11	2.03	0.41
2:aB:158:GLN:O	2:aB:162:ARG:HG3	2.20	0.41
6:aF:47:THR:O	6:aF:51:GLU:N	2.52	0.41
9:aK:96:LYS:HA	9:aK:96:LYS:HD3	1.92	0.41
10:aL:55:HIS:NE2	13:aL:203:CLA:C4D	2.83	0.41
10:aL:81:LEU:HD23	10:aL:81:LEU:HA	1.86	0.41
1:bA:14:LYS:HD3	1:bA:14:LYS:HA	1.82	0.41
13:bA:834:CLA:H191	2:bB:21:ILE:HG21	2.02	0.41
2:bB:29:ASN:HD21	13:bB:805:CLA:C4C	2.34	0.41
2:bB:269:TRP:O	2:bB:273:ILE:HG12	2.20	0.41
2:bB:369:ALA:HA	2:bB:597:TRP:CZ3	2.56	0.41
2:bB:629:LEU:HD12	2:bB:629:LEU:HA	1.94	0.41
5:bE:10:ILE:HB	5:bE:19:GLN:H	1.85	0.41
6:bF:93:LEU:HD23	6:bF:93:LEU:HA	1.90	0.41
1:cA:681:ALA:C	13:cA:803:CLA:HAB	2.45	0.41
13:cA:820:CLA:H93	13:cA:830:CLA:H162	2.02	0.41
2:cB:68:VAL:HG11	2:cB:124:TRP:HZ3	1.86	0.41
9:cK:89:SER:HB2	10:dL:76:ILE:HD11	2.02	0.41
9:cK:102:ALA:O	9:cK:106:PHE:N	2.48	0.41
1:dA:499:ALA:HB1	13:dA:837:CLA:HED1	2.02	0.41
1:dA:738:ALA:HA	1:dA:741:TRP:HB3	2.03	0.41
12:dA:801:CL0:H14	13:dB:802:CLA:HAA1	2.01	0.41
13:dA:802:CLA:H151	13:dB:811:CLA:HBC3	2.02	0.41
10:dL:91:THR:HB	10:dL:127:TRP:CD1	2.55	0.41
1:aA:297:HIS:O	1:aA:301:ILE:HG12	2.21	0.41
2:aB:186:SER:HB2	13:aB:823:CLA:H152	2.03	0.41
2:aB:334:LEU:HD12	13:aB:807:CLA:C1D	2.51	0.41
13:aB:804:CLA:H61	13:aB:804:CLA:H41	1.66	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:aD:164:TYR:O	4:aD:166:SER:N	2.53	0.41
1:bA:741:TRP:NE1	13:bA:829:CLA:O1A	2.43	0.41
13:bA:836:CLA:HBA1	15:bA:850:BCR:H381	2.02	0.41
13:bB:808:CLA:HMC2	13:bB:808:CLA:H92	2.02	0.41
1:cA:532:ASP:OD2	1:cA:613:LYS:NZ	2.43	0.41
13:cA:839:CLA:H92	13:cA:839:CLA:H61	1.89	0.41
15:cF:203:BCR:H24C	15:cF:203:BCR:H371	1.80	0.41
1:dA:220:VAL:HG13	1:dA:240:PRO:HB3	2.01	0.41
1:dA:651:LEU:HD23	1:dA:651:LEU:HA	1.89	0.41
15:dA:848:BCR:H15C	15:dA:848:BCR:H351	1.84	0.41
2:dB:29:ASN:HD21	13:dB:805:CLA:C4C	2.34	0.41
13:dB:804:CLA:H193	13:dB:811:CLA:HAC1	2.02	0.41
13:dB:807:CLA:H61	13:dB:807:CLA:H41	1.63	0.41
13:dB:807:CLA:H111	13:dB:807:CLA:H72	1.91	0.41
6:dF:128:SER:OG	6:dF:154:SER:O	2.33	0.41
1:aA:31:VAL:HA	1:aA:32:PRO:HD3	1.92	0.41
13:aA:813:CLA:HBB2	13:aA:821:CLA:H13	2.03	0.41
13:aA:820:CLA:H162	13:aA:820:CLA:H202	1.87	0.41
6:aF:175:THR:OG1	6:aF:176:ALA:N	2.54	0.41
10:aL:42:LEU:HD23	10:aL:42:LEU:HA	1.87	0.41
13:aL:203:CLA:H142	13:aL:203:CLA:H112	1.86	0.41
1:bA:276:LEU:HD21	1:bA:299:LEU:HD23	2.03	0.41
1:cA:199:ASN:HB3	13:cA:821:CLA:HMD2	2.02	0.41
1:cA:408:HIS:HE1	13:cA:831:CLA:NA	2.18	0.41
13:cA:843:CLA:CAA	13:dA:824:CLA:CGA	2.99	0.41
13:cB:801:CLA:H41	13:cB:801:CLA:H61	1.82	0.41
15:cI:101:BCR:HC7	15:cI:101:BCR:H10C	1.86	0.41
13:dA:802:CLA:H93	13:dB:832:CLA:HAB	2.03	0.41
4:dD:112:LYS:HE2	4:dD:155:ILE:HG22	2.02	0.41
6:dF:86:LEU:HD21	8:dJ:37:VAL:HG21	2.03	0.41
15:dJ:103:BCR:H15C	15:dJ:103:BCR:H351	1.85	0.41
1:aA:199:ASN:HB3	13:aA:821:CLA:HMD2	2.02	0.41
1:aA:345:PHE:HB2	13:aA:826:CLA:HBC3	2.02	0.41
13:aA:822:CLA:H91	13:aA:822:CLA:H112	1.86	0.41
2:aB:123:TRP:O	2:aB:126:THR:OG1	2.35	0.41
2:aB:161:PHE:HA	13:aB:813:CLA:HED2	2.03	0.41
2:aB:163:PRO:HB2	2:aB:168:PHE:CE1	2.56	0.41
2:aB:724:TYR:HB2	13:aB:803:CLA:HED3	2.02	0.41
13:aB:808:CLA:H143	13:aB:823:CLA:HBB2	2.03	0.41
13:aB:826:CLA:H202	13:aB:826:CLA:H161	1.88	0.41
3:aC:27:GLU:O	3:aC:41:SER:N	2.46	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:aJ:104:BCR:H24C	15:aJ:104:BCR:H371	1.80	0.41
9:aK:147:ILE:HA	13:aK:203:CLA:HBC2	2.03	0.41
15:aL:206:BCR:H11C	15:aL:206:BCR:H341	1.91	0.41
13:bA:802:CLA:H93	13:bB:832:CLA:HAB	2.03	0.41
2:bB:22:TRP:HZ3	14:bB:833:PQN:H293	1.86	0.41
2:bB:126:THR:HG21	2:bB:358:TYR:HA	2.03	0.41
13:bB:802:CLA:H203	13:bB:802:CLA:H161	1.84	0.41
13:bB:824:CLA:HAA2	13:bB:824:CLA:H2	2.03	0.41
4:bD:205:LYS:HD2	4:bD:205:LYS:HA	1.88	0.41
6:bF:154:SER:HA	6:bF:157:LYS:HE2	2.03	0.41
10:bL:91:THR:HB	10:bL:127:TRP:CD1	2.55	0.41
1:cA:162:THR:O	1:cA:166:ALA:N	2.48	0.41
1:cA:297:HIS:O	1:cA:301:ILE:HG12	2.21	0.41
1:cA:297:HIS:HE2	13:cA:820:CLA:C2B	2.34	0.41
13:cA:819:CLA:HBA2	13:cA:819:CLA:H3A	1.63	0.41
13:cA:827:CLA:HAB	15:cA:848:BCR:C8	2.49	0.41
13:cA:829:CLA:H3A	13:cA:829:CLA:HBA2	1.85	0.41
13:cA:840:CLA:H142	13:cA:840:CLA:H111	1.79	0.41
13:cA:843:CLA:HAA1	13:dA:824:CLA:CGA	2.51	0.41
15:cA:847:BCR:H11C	15:cA:847:BCR:H341	1.87	0.41
2:cB:161:PHE:HA	13:cB:813:CLA:HED2	2.03	0.41
2:cB:262:HIS:CD2	2:cB:265:THR:H	2.38	0.41
2:cB:334:LEU:HD12	13:cB:807:CLA:C1D	2.51	0.41
2:cB:525:ALA:HB1	13:cB:803:CLA:H171	2.01	0.41
13:cB:805:CLA:H142	15:cI:101:BCR:H393	2.03	0.41
13:cB:811:CLA:H192	13:cB:811:CLA:H162	1.84	0.41
6:cF:175:THR:OG1	6:cF:176:ALA:N	2.54	0.41
8:cJ:25:LEU:HD23	15:cJ:102:BCR:HC8	2.02	0.41
15:cJ:104:BCR:H11C	15:cJ:104:BCR:H341	1.91	0.41
1:dA:88:LEU:HD23	1:dA:88:LEU:HA	1.86	0.41
1:dA:276:LEU:HD21	1:dA:299:LEU:HD23	2.03	0.41
1:dA:283:ASN:HA	1:dA:284:PRO:HD3	1.95	0.41
1:dA:344:ILE:HD11	1:dA:422:ASN:HD21	1.85	0.41
1:dA:382:THR:HG21	1:dA:517:VAL:HB	2.02	0.41
1:dA:440:HIS:HB2	13:dA:832:CLA:HAB	2.02	0.41
1:dA:561:ARG:NH2	4:dD:93:GLY:HA2	2.36	0.41
13:dA:834:CLA:H191	2:dB:21:ILE:HG21	2.02	0.41
15:dA:851:BCR:H342	15:dA:851:BCR:H331	2.02	0.41
2:dB:355:ILE:HG21	13:dB:817:CLA:HBA1	2.02	0.41
2:dB:551:PRO:HD2	3:dC:62:PHE:CE1	2.56	0.41
6:dF:154:SER:HA	6:dF:157:LYS:HE2	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:aA:429:ARG:HA	1:aA:432:ARG:HB2	2.03	0.41
13:aA:829:CLA:H62	13:aA:829:CLA:H101	1.83	0.41
2:aB:461:GLN:HG2	2:aB:472:TYR:CE2	2.57	0.41
6:aF:136:SER:OG	6:aF:137:ASP:N	2.54	0.41
15:aK:202:BCR:H15C	15:aK:202:BCR:H351	1.89	0.41
10:aL:55:HIS:HD2	13:aL:203:CLA:NB	2.19	0.41
11:aM:24:LEU:O	11:aM:28:LEU:N	2.42	0.41
1:bA:526:ILE:HG12	1:bA:618:VAL:HG21	2.03	0.41
1:bA:561:ARG:NH2	4:bD:93:GLY:HA2	2.36	0.41
1:bA:616:SER:OG	1:bA:617:ASP:OD2	2.38	0.41
2:bB:85:ARG:HA	2:bB:86:PRO:HD3	1.96	0.41
2:bB:522:VAL:HG11	2:bB:596:TYR:HB2	2.02	0.41
2:bB:548:LYS:HB3	5:bE:16:TYR:HD2	1.85	0.41
2:bB:551:PRO:HD2	3:bC:62:PHE:CE1	2.56	0.41
13:cA:842:CLA:H92	14:cA:844:PQN:H251	2.02	0.41
2:cB:4:LYS:H	7:cI:32:ASP:HA	1.86	0.41
4:cD:164:TYR:O	4:cD:166:SER:N	2.53	0.41
10:cL:96:LEU:HD23	10:cL:96:LEU:HA	1.87	0.41
13:cL:202:CLA:HBA2	13:cL:202:CLA:H3A	1.79	0.41
15:cL:205:BCR:H20C	15:cL:205:BCR:H361	1.93	0.41
1:dA:141:THR:OG1	1:dA:141:THR:O	2.38	0.41
1:dA:526:ILE:HG12	1:dA:618:VAL:HG21	2.03	0.41
1:dA:577:GLY:O	1:dA:583:THR:OG1	2.37	0.41
2:dB:276:HIS:HE1	13:dB:817:CLA:ND	2.17	0.41
2:dB:363:ARG:HD3	2:dB:363:ARG:HA	1.90	0.41
2:dB:369:ALA:HA	2:dB:597:TRP:CZ3	2.56	0.41
13:dB:811:CLA:H162	13:dB:811:CLA:H122	1.86	0.41
5:dE:6:SER:H	5:dE:24:VAL:HG22	1.85	0.41
8:dJ:23:GLY:HA3	13:dJ:101:CLA:HAB	2.01	0.41
1:aA:499:ALA:HB1	13:aA:837:CLA:HED1	2.03	0.40
13:aA:837:CLA:H3A	13:aA:837:CLA:HBA2	1.68	0.40
2:aB:638:TYR:HA	2:aB:643:MET:HA	2.03	0.40
13:aB:808:CLA:H61	13:aB:808:CLA:H41	1.62	0.40
15:aF:203:BCR:H371	15:aF:203:BCR:H24C	1.80	0.40
9:aK:143:LEU:HD13	15:aK:202:BCR:H383	2.03	0.40
1:bA:438:ILE:HD13	1:bA:438:ILE:HA	1.91	0.40
2:bB:9:SER:HB3	2:bB:12:LEU:HB2	2.03	0.40
13:bB:809:CLA:H101	13:bB:821:CLA:H151	2.03	0.40
6:bF:33:CYS:HB3	6:bF:88:CYS:HB2	1.54	0.40
1:cA:84:VAL:O	1:cA:88:LEU:N	2.42	0.40
1:cA:599:MET:HE3	1:cA:599:MET:HB3	1.95	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:dA:710:PHE:HB3	6:dF:127:ARG:HG2	2.02	0.40
1:dA:714:ILE:HD12	6:dF:143:GLU:HB2	2.04	0.40
12:dA:801:CL0:H2	12:dA:801:CL0:H15	2.04	0.40
13:dA:831:CLA:H72	13:dA:831:CLA:H111	1.92	0.40
2:dB:22:TRP:HZ3	14:dB:833:PQN:H293	1.86	0.40
2:dB:269:TRP:O	2:dB:273:ILE:HG12	2.20	0.40
2:dB:723:THR:HG21	13:dB:802:CLA:HMA3	2.04	0.40
6:dF:50:LEU:HD13	6:dF:70:GLN:HG2	2.03	0.40
10:dL:82:SER:O	10:dL:86:LEU:N	2.54	0.40
12:aA:801:CL0:H72	12:aA:801:CL0:H10	1.67	0.40
13:aA:820:CLA:H93	13:aA:830:CLA:H162	2.02	0.40
13:aA:834:CLA:H121	14:aB:835:PQN:H191	2.03	0.40
13:aB:803:CLA:H203	13:aB:803:CLA:H161	1.93	0.40
1:bA:492:SER:O	1:bA:505:ASN:ND2	2.52	0.40
1:bA:738:ALA:HA	1:bA:741:TRP:HB3	2.03	0.40
2:bB:380:GLY:HA2	13:bB:819:CLA:HAC2	2.02	0.40
3:bC:22:PRO:HB3	3:bC:53:ARG:NH1	2.36	0.40
1:cA:88:LEU:HD23	1:cA:88:LEU:HA	1.94	0.40
1:cA:208:LEU:HB3	15:cA:845:BCR:H363	2.03	0.40
1:cA:593:PHE:HA	1:cA:596:LEU:HD12	2.03	0.40
13:cB:815:CLA:H2	13:cB:815:CLA:H62	1.86	0.40
15:cJ:103:BCR:H20C	15:cJ:103:BCR:H361	1.88	0.40
13:dA:829:CLA:H3A	13:dA:829:CLA:HBA2	1.71	0.40
13:dB:809:CLA:H101	13:dB:821:CLA:H151	2.03	0.40
4:dD:175:LYS:HD2	4:dD:175:LYS:HA	1.92	0.40
15:dF:202:BCR:H20C	15:dF:202:BCR:H361	1.87	0.40
1:aA:408:HIS:HE1	13:aA:831:CLA:NA	2.18	0.40
13:aA:827:CLA:HBA2	13:aA:827:CLA:H3A	1.89	0.40
2:aB:17:THR:HG21	3:aC:77:MET:HE2	2.04	0.40
13:aB:834:CLA:HBA2	14:aB:835:PQN:H251	2.04	0.40
6:aF:145:ILE:HA	8:aJ:9:THR:HA	2.02	0.40
15:aJ:104:BCR:H11C	15:aJ:104:BCR:H341	1.91	0.40
15:aL:205:BCR:H20C	15:aL:205:BCR:H361	1.93	0.40
1:bA:112:LYS:NZ	1:bA:383:ASP:OD1	2.42	0.40
1:bA:142:SER:HB2	13:bA:829:CLA:HAA2	2.02	0.40
12:bA:801:CL0:H15	12:bA:801:CL0:H2	2.03	0.40
13:bA:810:CLA:HMB2	15:bJ:102:BCR:H11C	2.03	0.40
2:bB:246:SER:OG	2:bB:247:SER:N	2.55	0.40
2:bB:436:LEU:HD12	2:bB:521:LEU:HD21	2.03	0.40
13:bB:807:CLA:H91	18:bB:837:LMG:H422	2.04	0.40
1:cA:576:ASP:OD1	1:cA:580:ARG:NH1	2.55	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:cB:186:SER:HB2	13:cB:823:CLA:H152	2.03	0.40
2:cB:526:ILE:HD13	2:cB:593:THR:HG22	2.02	0.40
2:cB:665:MET:HB2	13:cB:805:CLA:C1C	2.51	0.40
15:cB:838:BCR:H15C	15:cB:838:BCR:H351	1.94	0.40
6:cF:33:CYS:HA	6:cF:36:SER:HB2	2.03	0.40
10:cL:43:THR:O	10:cL:47:ARG:N	2.38	0.40
13:dA:807:CLA:H61	13:dA:807:CLA:H92	1.88	0.40
13:dA:818:CLA:H62	13:dA:818:CLA:H41	1.85	0.40
10:dL:94:LEU:HB3	10:dL:124:VAL:HG22	2.03	0.40
13:dL:202:CLA:H62	13:dL:202:CLA:H41	1.64	0.40
1:aA:208:LEU:HA	1:aA:211:LEU:HB3	2.03	0.40
1:aA:297:HIS:HE2	13:aA:820:CLA:C2B	2.34	0.40
1:aA:374:MET:HE3	1:aA:374:MET:HB2	1.99	0.40
1:aA:566:LYS:HB2	1:aA:566:LYS:HE3	1.79	0.40
1:aA:590:ASP:HA	1:aA:593:PHE:HB3	2.04	0.40
2:aB:126:THR:HG21	2:aB:358:TYR:HA	2.04	0.40
13:aB:805:CLA:H142	15:aI:101:BCR:H393	2.03	0.40
10:aL:90:LEU:HD13	15:aL:205:BCR:H401	2.02	0.40
1:bA:577:GLY:O	1:bA:583:THR:OG1	2.37	0.40
10:bL:82:SER:O	10:bL:86:LEU:N	2.55	0.40
1:cA:552:LYS:HD2	2:cB:677:LEU:HD13	2.04	0.40
2:cB:157:LEU:HD12	2:cB:157:LEU:HA	1.94	0.40
13:dA:807:CLA:H71	13:dA:807:CLA:H112	1.90	0.40
13:dA:841:CLA:H203	13:dA:841:CLA:H162	1.93	0.40
15:dA:847:BCR:H362	15:dA:848:BCR:H10C	2.03	0.40
13:dB:805:CLA:H91	15:dM:101:BCR:H12C	2.02	0.40
13:dB:807:CLA:H91	18:dB:837:LMG:H422	2.04	0.40
13:dB:818:CLA:HBB1	13:dB:818:CLA:HHC	2.02	0.40
1:aA:60:ASP:OD2	1:aA:60:ASP:N	2.55	0.40
13:aA:841:CLA:H93	13:aA:841:CLA:H61	1.90	0.40
2:aB:68:VAL:HG11	2:aB:124:TRP:HZ3	1.86	0.40
13:aB:826:CLA:H72	15:aF:203:BCR:H312	2.03	0.40
13:aB:834:CLA:HBA2	14:aB:835:PQN:H302	2.03	0.40
15:aB:836:BCR:H371	15:aB:836:BCR:H24C	1.81	0.40
15:aK:205:BCR:H332	10:bL:130:GLY:HA2	2.04	0.40
1:bA:197:MET:HG2	1:bA:201:HIS:HD1	1.86	0.40
1:bA:200:HIS:HB3	13:bA:814:CLA:HBB1	2.02	0.40
13:bA:839:CLA:H92	13:bA:839:CLA:H61	1.88	0.40
2:bB:355:ILE:HG21	13:bB:817:CLA:HBA1	2.02	0.40
1:cA:671:LEU:O	1:cA:675:GLY:N	2.45	0.40
13:cA:842:CLA:HBA1	16:cA:850:LHG:H171	2.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:cA:844:PQN:H302	14:cA:844:PQN:H262	1.87	0.40
13:cB:834:CLA:HBA2	14:cB:835:PQN:H302	2.03	0.40
1:dA:67:GLU:HA	1:dA:188:LEU:HD13	2.04	0.40
1:dA:200:HIS:HB3	13:dA:814:CLA:HBB1	2.02	0.40
13:dA:820:CLA:H172	13:dA:828:CLA:H51	2.03	0.40
13:dA:823:CLA:HBA2	13:dA:823:CLA:H3A	1.84	0.40
13:dA:843:CLA:H162	13:dA:843:CLA:H202	1.86	0.40
2:dB:246:SER:OG	2:dB:247:SER:N	2.55	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	aA	737/752 (98%)	685 (93%)	51 (7%)	1 (0%)	48 79
1	bA	737/752 (98%)	684 (93%)	52 (7%)	1 (0%)	48 79
1	cA	737/752 (98%)	684 (93%)	52 (7%)	1 (0%)	48 79
1	dA	737/752 (98%)	686 (93%)	50 (7%)	1 (0%)	48 79
2	aB	702/737 (95%)	670 (95%)	31 (4%)	1 (0%)	48 79
2	bB	702/737 (95%)	660 (94%)	40 (6%)	2 (0%)	36 67
2	cB	702/737 (95%)	670 (95%)	31 (4%)	1 (0%)	48 79
2	dB	702/737 (95%)	660 (94%)	40 (6%)	2 (0%)	36 67
3	aC	78/81 (96%)	71 (91%)	5 (6%)	2 (3%)	4 27
3	bC	78/81 (96%)	72 (92%)	5 (6%)	1 (1%)	9 38
3	cC	78/81 (96%)	71 (91%)	5 (6%)	2 (3%)	4 27
3	dC	78/81 (96%)	72 (92%)	5 (6%)	1 (1%)	9 38
4	aD	137/220 (62%)	112 (82%)	24 (18%)	1 (1%)	18 51

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
4	bD	137/220 (62%)	110 (80%)	26 (19%)	1 (1%)	18	51
4	cD	137/220 (62%)	112 (82%)	24 (18%)	1 (1%)	18	51
4	dD	137/220 (62%)	110 (80%)	26 (19%)	1 (1%)	18	51
5	aE	60/70 (86%)	53 (88%)	7 (12%)	0	100	100
5	bE	60/70 (86%)	53 (88%)	7 (12%)	0	100	100
5	cE	60/70 (86%)	53 (88%)	7 (12%)	0	100	100
5	dE	60/70 (86%)	53 (88%)	7 (12%)	0	100	100
6	aF	159/186 (86%)	149 (94%)	10 (6%)	0	100	100
6	bF	159/186 (86%)	149 (94%)	10 (6%)	0	100	100
6	cF	159/186 (86%)	149 (94%)	10 (6%)	0	100	100
6	dF	159/186 (86%)	149 (94%)	10 (6%)	0	100	100
7	aI	28/35 (80%)	27 (96%)	1 (4%)	0	100	100
7	bI	28/35 (80%)	26 (93%)	2 (7%)	0	100	100
7	cI	28/35 (80%)	27 (96%)	1 (4%)	0	100	100
7	dI	28/35 (80%)	25 (89%)	3 (11%)	0	100	100
8	aJ	35/40 (88%)	32 (91%)	3 (9%)	0	100	100
8	bJ	35/40 (88%)	33 (94%)	2 (6%)	0	100	100
8	cJ	35/40 (88%)	32 (91%)	3 (9%)	0	100	100
8	dJ	35/40 (88%)	33 (94%)	2 (6%)	0	100	100
9	aK	67/157 (43%)	66 (98%)	1 (2%)	0	100	100
9	cK	67/157 (43%)	66 (98%)	1 (2%)	0	100	100
10	aL	126/146 (86%)	116 (92%)	9 (7%)	1 (1%)	16	48
10	bL	129/146 (88%)	113 (88%)	16 (12%)	0	100	100
10	cL	126/146 (86%)	116 (92%)	9 (7%)	1 (1%)	16	48
10	dL	129/146 (88%)	113 (88%)	16 (12%)	0	100	100
11	aM	27/31 (87%)	27 (100%)	0	0	100	100
11	bM	27/31 (87%)	25 (93%)	2 (7%)	0	100	100
11	cM	27/31 (87%)	27 (100%)	0	0	100	100
11	dM	27/31 (87%)	25 (93%)	2 (7%)	0	100	100
All	All	8496/9506 (89%)	7866 (93%)	608 (7%)	22 (0%)	37	67

All (22) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
3	aC	63	LEU
1	bA	122	VAL
3	cC	63	LEU
1	dA	122	VAL
1	aA	122	VAL
2	aB	562	CYS
4	aD	126	ILE
2	bB	477	LEU
2	bB	562	CYS
3	bC	63	LEU
4	bD	126	ILE
1	cA	122	VAL
2	cB	562	CYS
4	cD	126	ILE
2	dB	477	LEU
2	dB	562	CYS
3	dC	63	LEU
4	dD	126	ILE
10	aL	21	PRO
10	cL	21	PRO
3	aC	62	PHE
3	cC	62	PHE

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	aA	598/610 (98%)	591 (99%)	7 (1%)	63 72
1	bA	598/610 (98%)	596 (100%)	2 (0%)	86 84
1	cA	598/610 (98%)	591 (99%)	7 (1%)	63 72
1	dA	598/610 (98%)	596 (100%)	2 (0%)	86 84
2	aB	574/596 (96%)	563 (98%)	11 (2%)	50 66
2	bB	574/596 (96%)	565 (98%)	9 (2%)	55 68
2	cB	574/596 (96%)	563 (98%)	11 (2%)	50 66
2	dB	574/596 (96%)	565 (98%)	9 (2%)	55 68

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
3	aC	67/68 (98%)	67 (100%)	0	100 100
3	bC	67/68 (98%)	66 (98%)	1 (2%)	57 69
3	cC	67/68 (98%)	67 (100%)	0	100 100
3	dC	67/68 (98%)	66 (98%)	1 (2%)	57 69
4	aD	114/171 (67%)	114 (100%)	0	100 100
4	bD	114/171 (67%)	112 (98%)	2 (2%)	51 67
4	cD	114/171 (67%)	114 (100%)	0	100 100
4	dD	114/171 (67%)	112 (98%)	2 (2%)	51 67
5	aE	58/65 (89%)	58 (100%)	0	100 100
5	bE	58/65 (89%)	56 (97%)	2 (3%)	32 55
5	cE	58/65 (89%)	58 (100%)	0	100 100
5	dE	58/65 (89%)	56 (97%)	2 (3%)	32 55
6	aF	133/156 (85%)	133 (100%)	0	100 100
6	bF	133/156 (85%)	132 (99%)	1 (1%)	73 76
6	cF	133/156 (85%)	133 (100%)	0	100 100
6	dF	133/156 (85%)	132 (99%)	1 (1%)	73 76
7	aI	27/31 (87%)	27 (100%)	0	100 100
7	bI	27/31 (87%)	25 (93%)	2 (7%)	13 38
7	cI	27/31 (87%)	27 (100%)	0	100 100
7	dI	27/31 (87%)	22 (82%)	5 (18%)	1 11
8	aJ	32/35 (91%)	31 (97%)	1 (3%)	35 57
8	bJ	32/35 (91%)	32 (100%)	0	100 100
8	cJ	32/35 (91%)	31 (97%)	1 (3%)	35 57
8	dJ	32/35 (91%)	32 (100%)	0	100 100
9	aK	49/103 (48%)	48 (98%)	1 (2%)	48 65
9	cK	49/103 (48%)	48 (98%)	1 (2%)	48 65
10	aL	97/111 (87%)	97 (100%)	0	100 100
10	bL	99/111 (89%)	95 (96%)	4 (4%)	28 52
10	cL	97/111 (87%)	97 (100%)	0	100 100
10	dL	99/111 (89%)	95 (96%)	4 (4%)	28 52
11	aM	21/23 (91%)	21 (100%)	0	100 100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
11	bM	21/23 (91%)	21 (100%)	0	100 100
11	cM	21/23 (91%)	21 (100%)	0	100 100
11	dM	21/23 (91%)	21 (100%)	0	100 100
All	All	6986/7670 (91%)	6897 (99%)	89 (1%)	59 71

All (89) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	aA	46	THR
1	aA	56	VAL
1	aA	156	GLU
1	aA	158	GLN
1	aA	159	LEU
1	aA	162	THR
1	aA	253	LEU
2	aB	143	LEU
2	aB	150	LEU
2	aB	219	PRO
2	aB	382	LEU
2	aB	427	LEU
2	aB	477	LEU
2	aB	535	LEU
2	aB	571	CYS
2	aB	579	PHE
2	aB	629	LEU
2	aB	635	ILE
8	aJ	36	LEU
9	aK	90	VAL
1	bA	232	VAL
1	bA	334	THR
2	bB	27	THR
2	bB	54	LEU
2	bB	219	PRO
2	bB	408	LEU
2	bB	427	LEU
2	bB	477	LEU
2	bB	571	CYS
2	bB	579	PHE
2	bB	694	VAL
3	bC	16	GLN
4	bD	126	ILE

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Mol	Chain	Res	Type
4	bD	156	THR
5	bE	59	VAL
5	bE	61	VAL
6	bF	30	LEU
7	bI	4	ASN
7	bI	5	LEU
10	bL	43	THR
10	bL	77	LEU
10	bL	78	TYR
10	bL	112	THR
1	cA	46	THR
1	cA	56	VAL
1	cA	156	GLU
1	cA	158	GLN
1	cA	159	LEU
1	cA	162	THR
1	cA	253	LEU
2	cB	143	LEU
2	cB	150	LEU
2	cB	219	PRO
2	cB	382	LEU
2	cB	427	LEU
2	cB	477	LEU
2	cB	535	LEU
2	cB	571	CYS
2	cB	579	PHE
2	cB	629	LEU
2	cB	635	ILE
8	cJ	36	LEU
9	cK	90	VAL
1	dA	232	VAL
1	dA	334	THR
2	dB	27	THR
2	dB	54	LEU
2	dB	219	PRO
2	dB	408	LEU
2	dB	427	LEU
2	dB	477	LEU
2	dB	571	CYS
2	dB	579	PHE
2	dB	694	VAL
3	dC	16	GLN

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Mol	Chain	Res	Type
4	dD	126	ILE
4	dD	156	THR
5	dE	59	VAL
5	dE	61	VAL
6	dF	30	LEU
7	dI	4	ASN
7	dI	5	LEU
7	dI	7	SER
7	dI	8	ILE
7	dI	9	LEU
10	dL	43	THR
10	dL	77	LEU
10	dL	78	TYR
10	dL	112	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (108) such sidechains are listed below:

Mol	Chain	Res	Type
1	aA	136	GLN
1	aA	217	GLN
1	aA	225	ASN
1	aA	347	ASN
1	aA	352	GLN
1	aA	442	ASN
1	aA	497	ASN
1	aA	601	ASN
1	aA	634	ASN
2	aB	10	GLN
2	aB	64	ASN
2	aB	127	GLN
2	aB	156	HIS
2	aB	262	HIS
2	aB	327	ASN
2	aB	350	GLN
2	aB	403	ASN
2	aB	479	ASN
2	aB	692	ASN
3	aC	16	GLN
4	aD	82	ASN
4	aD	132	ASN
4	aD	141	GLN
4	aD	193	ASN

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Mol	Chain	Res	Type
4	aD	199	GLN
4	aD	200	ASN
5	aE	29	GLN
5	aE	49	ASN
5	aE	52	ASN
6	aF	35	GLN
6	aF	131	GLN
1	bA	57	HIS
1	bA	107	ASN
1	bA	270	ASN
1	bA	347	ASN
1	bA	350	HIS
1	bA	442	ASN
1	bA	480	GLN
1	bA	485	GLN
1	bA	654	GLN
2	bB	241	ASN
2	bB	242	HIS
2	bB	327	ASN
2	bB	350	GLN
2	bB	368	GLN
2	bB	403	ASN
2	bB	608	ASN
2	bB	613	ASN
4	bD	132	ASN
6	bF	48	GLN
7	bI	4	ASN
11	bM	6	GLN
1	cA	136	GLN
1	cA	217	GLN
1	cA	225	ASN
1	cA	347	ASN
1	cA	442	ASN
1	cA	485	GLN
1	cA	601	ASN
1	cA	634	ASN
2	cB	14	GLN
2	cB	64	ASN
2	cB	127	GLN
2	cB	156	HIS
2	cB	262	HIS
2	cB	266	GLN

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Mol	Chain	Res	Type
2	cB	327	ASN
2	cB	350	GLN
2	cB	403	ASN
2	cB	479	ASN
2	cB	692	ASN
4	cD	82	ASN
4	cD	132	ASN
4	cD	141	GLN
4	cD	193	ASN
4	cD	199	GLN
4	cD	200	ASN
5	cE	29	GLN
5	cE	49	ASN
5	cE	52	ASN
6	cF	35	GLN
6	cF	131	GLN
9	cK	88	GLN
1	dA	57	HIS
1	dA	107	ASN
1	dA	270	ASN
1	dA	350	HIS
1	dA	442	ASN
1	dA	480	GLN
1	dA	485	GLN
1	dA	497	ASN
1	dA	654	GLN
2	dB	241	ASN
2	dB	242	HIS
2	dB	327	ASN
2	dB	350	GLN
2	dB	368	GLN
2	dB	402	GLN
2	dB	403	ASN
2	dB	588	ASN
2	dB	608	ASN
2	dB	613	ASN
4	dD	132	ASN
4	dD	170	GLN
6	dF	48	GLN
7	dI	4	ASN
10	dL	71	ASN
11	dM	6	GLN

5.3.3 RNA

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

438 ligands are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
13	CLA	aB	820	-	50,54,73	2.41	22 (44%)	59,90,113	3.25	32 (54%)
13	CLA	aA	813	-	58,62,73	2.15	19 (32%)	68,99,113	2.82	29 (42%)
17	SF4	cC	102	3	0,12,12	-	-	-		
13	CLA	cB	817	-	59,63,73	2.22	21 (35%)	70,101,113	2.96	31 (44%)
13	CLA	aA	815	-	49,53,73	2.41	18 (36%)	58,89,113	3.08	30 (51%)
13	CLA	bB	828	-	50,54,73	2.31	21 (42%)	59,90,113	3.12	30 (50%)
17	SF4	bC	101	3	0,12,12	-	-	-		
13	CLA	dB	814	-	60,64,73	2.16	21 (35%)	71,102,113	2.88	28 (39%)
13	CLA	bA	834	-	69,73,73	1.97	19 (27%)	82,113,113	2.66	35 (42%)
13	CLA	bA	805	-	49,53,73	2.35	18 (36%)	58,89,113	3.21	31 (53%)
13	CLA	aA	842	-	69,73,73	1.99	21 (30%)	82,113,113	2.63	31 (37%)
15	BCR	bB	835	-	41,41,41	1.08	3 (7%)	56,56,56	1.37	7 (12%)
15	BCR	dB	836	-	41,41,41	1.24	3 (7%)	56,56,56	1.17	5 (8%)
13	CLA	bA	826	-	69,73,73	1.91	19 (27%)	82,113,113	2.60	31 (37%)
13	CLA	aF	201	-	55,59,73	2.30	19 (34%)	64,96,113	2.94	28 (43%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	bB	819	-	50,54,73	2.37	21 (42%)	59,90,113	3.16	31 (52%)
15	BCR	aA	849	-	41,41,41	1.03	1 (2%)	56,56,56	1.47	11 (19%)
13	CLA	dA	836	1	58,62,73	2.15	19 (32%)	68,99,113	2.92	32 (47%)
15	BCR	dJ	103	-	41,41,41	1.10	2 (4%)	56,56,56	1.44	9 (16%)
13	CLA	bB	821	-	69,73,73	1.93	21 (30%)	82,113,113	2.80	32 (39%)
13	CLA	dA	835	-	69,73,73	1.94	18 (26%)	82,113,113	2.75	32 (39%)
13	CLA	bA	827	-	59,63,73	2.08	18 (30%)	70,101,113	2.95	35 (50%)
17	SF4	dC	101	3	0,12,12	-	-	-		
14	PQN	cA	844	-	34,34,34	1.54	2 (5%)	43,45,45	1.16	5 (11%)
16	LHG	dA	852	-	48,48,48	0.71	2 (4%)	51,54,54	1.29	6 (11%)
13	CLA	bB	808	-	69,73,73	1.95	19 (27%)	82,113,113	2.64	32 (39%)
13	CLA	cA	835	-	69,73,73	2.00	19 (27%)	82,113,113	2.77	29 (35%)
14	PQN	bB	833	-	34,34,34	1.58	2 (5%)	43,45,45	1.27	5 (11%)
18	LMG	bB	837	-	55,55,55	0.85	3 (5%)	63,63,63	1.47	7 (11%)
13	CLA	aB	830	-	50,54,73	2.33	19 (38%)	59,90,113	3.08	32 (54%)
13	CLA	bB	802	-	69,73,73	1.96	20 (28%)	82,113,113	2.72	34 (41%)
15	BCR	cF	202	-	41,41,41	1.08	3 (7%)	56,56,56	1.33	8 (14%)
13	CLA	cA	830	-	69,73,73	1.95	20 (28%)	82,113,113	2.58	30 (36%)
15	BCR	dA	849	-	41,41,41	1.15	2 (4%)	56,56,56	1.48	10 (17%)
13	CLA	cA	809	1	69,73,73	1.97	19 (27%)	82,113,113	2.66	32 (39%)
17	SF4	bC	102	3	0,12,12	-	-	-		
13	CLA	bA	844	16	56,60,73	2.12	17 (30%)	65,97,113	3.17	35 (53%)
13	CLA	dB	828	-	50,54,73	2.31	21 (42%)	59,90,113	3.12	30 (50%)
13	CLA	cA	841	-	69,73,73	2.03	21 (30%)	82,113,113	2.67	31 (37%)
13	CLA	bA	808	-	55,59,73	2.22	20 (36%)	64,96,113	3.03	33 (51%)
13	CLA	cJ	101	8	49,53,73	2.42	20 (40%)	58,89,113	3.05	28 (48%)
13	CLA	bA	832	-	54,58,73	2.19	18 (33%)	64,95,113	2.94	35 (54%)
15	BCR	cL	201	-	41,41,41	1.20	3 (7%)	56,56,56	1.28	4 (7%)
15	BCR	bA	849	-	41,41,41	1.15	2 (4%)	56,56,56	1.49	10 (17%)
13	CLA	dA	803	-	49,53,73	2.33	18 (36%)	58,89,113	2.90	29 (50%)
15	BCR	dB	834	-	41,41,41	1.14	3 (7%)	56,56,56	1.31	3 (5%)
13	CLA	bB	814	-	60,64,73	2.16	21 (35%)	71,102,113	2.87	29 (40%)
13	CLA	dB	820	-	69,73,73	2.03	20 (28%)	82,113,113	2.63	32 (39%)
15	BCR	dA	846	-	41,41,41	1.19	3 (7%)	56,56,56	1.41	11 (19%)
13	CLA	dA	828	-	69,73,73	1.91	19 (27%)	82,113,113	2.75	33 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	cA	818	-	69,73,73	1.91	19 (27%)	82,113,113	2.75	31 (37%)
13	CLA	dA	816	-	49,53,73	2.33	20 (40%)	58,89,113	3.08	28 (48%)
13	CLA	cA	806	-	69,73,73	1.93	21 (30%)	82,113,113	2.65	31 (37%)
13	CLA	dB	811	-	69,73,73	1.97	21 (30%)	82,113,113	2.67	38 (46%)
13	CLA	aA	816	-	49,53,73	2.38	17 (34%)	58,89,113	3.05	28 (48%)
12	CL0	dA	801	-	58,73,73	3.02	20 (34%)	60,113,113	2.96	20 (33%)
13	CLA	cA	812	-	69,73,73	2.00	21 (30%)	82,113,113	2.74	30 (36%)
15	BCR	cK	202	-	41,41,41	1.17	3 (7%)	56,56,56	1.33	7 (12%)
15	BCR	aF	202	-	41,41,41	1.09	3 (7%)	56,56,56	1.33	7 (12%)
15	BCR	cB	838	-	41,41,41	1.22	3 (7%)	56,56,56	1.27	9 (16%)
17	SF4	cB	802	2,1	0,12,12	-	-	-		
13	CLA	bB	809	-	69,73,73	1.98	21 (30%)	82,113,113	2.74	33 (40%)
13	CLA	aB	822	-	69,73,73	2.02	20 (28%)	82,113,113	2.64	31 (37%)
15	BCR	cJ	104	-	41,41,41	1.10	2 (4%)	56,56,56	1.35	8 (14%)
13	CLA	bA	806	-	69,73,73	1.93	20 (28%)	82,113,113	2.68	30 (36%)
13	CLA	bF	201	-	55,59,73	2.22	20 (36%)	64,96,113	3.10	33 (51%)
13	CLA	dB	802	-	69,73,73	1.96	20 (28%)	82,113,113	2.73	34 (41%)
13	CLA	dB	831	-	69,73,73	1.95	19 (27%)	82,113,113	2.70	34 (41%)
13	CLA	aA	822	-	69,73,73	1.97	20 (28%)	82,113,113	2.55	27 (32%)
13	CLA	cB	820	-	50,54,73	2.41	22 (44%)	59,90,113	3.25	32 (54%)
18	LMG	aB	839	-	55,55,55	0.75	0	63,63,63	1.38	8 (12%)
13	CLA	bB	815	-	49,53,73	2.36	21 (42%)	58,89,113	3.10	29 (50%)
17	SF4	cC	101	3	0,12,12	-	-	-		
15	BCR	cF	203	-	41,41,41	1.04	2 (4%)	56,56,56	1.35	11 (19%)
13	CLA	aA	819	-	58,62,73	2.15	17 (29%)	68,99,113	2.86	33 (48%)
15	BCR	aI	101	-	41,41,41	1.07	3 (7%)	56,56,56	1.37	9 (16%)
14	PQN	aB	835	-	34,34,34	1.54	3 (8%)	43,45,45	1.37	4 (9%)
13	CLA	aB	809	-	69,73,73	1.98	20 (28%)	82,113,113	2.63	30 (36%)
17	SF4	bB	801	2,1	0,12,12	-	-	-		
13	CLA	dA	804	-	49,53,73	2.36	20 (40%)	58,89,113	3.19	28 (48%)
13	CLA	bA	807	-	69,73,73	1.97	19 (27%)	82,113,113	2.74	33 (40%)
15	BCR	dL	201	-	41,41,41	1.28	4 (9%)	56,56,56	1.29	6 (10%)
15	BCR	dF	202	-	41,41,41	1.14	2 (4%)	56,56,56	1.34	8 (14%)
13	CLA	bB	829	-	69,73,73	2.00	20 (28%)	82,113,113	2.71	33 (40%)
15	BCR	cI	101	-	41,41,41	1.08	3 (7%)	56,56,56	1.37	9 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	aB	807	-	69,73,73	2.02	20 (28%)	82,113,113	2.71	33 (40%)
13	CLA	cA	803	-	49,53,73	2.35	19 (38%)	58,89,113	2.92	30 (51%)
13	CLA	bA	823	-	50,54,73	2.28	18 (36%)	59,90,113	3.08	26 (44%)
12	CL0	bA	801	-	58,73,73	3.01	20 (34%)	60,113,113	2.96	20 (33%)
13	CLA	bB	824	-	53,57,73	2.32	18 (33%)	61,93,113	3.12	31 (50%)
13	CLA	dA	805	-	49,53,73	2.35	18 (36%)	58,89,113	3.21	31 (53%)
13	CLA	cA	807	-	69,73,73	1.95	20 (28%)	82,113,113	2.73	32 (39%)
13	CLA	dA	821	-	65,69,73	2.02	20 (30%)	77,108,113	2.80	32 (41%)
13	CLA	cB	828	-	49,53,73	2.40	21 (42%)	58,89,113	2.99	28 (48%)
13	CLA	bB	813	-	69,73,73	1.99	20 (28%)	82,113,113	2.64	27 (32%)
15	BCR	bF	202	-	41,41,41	1.14	2 (4%)	56,56,56	1.34	8 (14%)
13	CLA	aA	837	1	49,53,73	2.35	21 (42%)	58,89,113	3.19	29 (50%)
13	CLA	dB	803	-	69,73,73	1.91	20 (28%)	82,113,113	2.78	37 (45%)
12	CL0	cA	801	-	58,73,73	3.07	19 (32%)	60,113,113	2.66	18 (30%)
13	CLA	cA	826	-	69,73,73	1.91	17 (24%)	82,113,113	2.60	29 (35%)
13	CLA	bA	804	-	49,53,73	2.36	20 (40%)	58,89,113	3.19	28 (48%)
13	CLA	bA	842	-	69,73,73	1.97	21 (30%)	82,113,113	2.70	31 (37%)
15	BCR	aM	101	-	41,41,41	1.09	2 (4%)	56,56,56	1.27	7 (12%)
13	CLA	dA	819	-	58,62,73	2.14	20 (34%)	68,99,113	2.67	30 (44%)
13	CLA	aA	825	-	51,55,73	2.27	20 (39%)	60,91,113	3.10	32 (53%)
13	CLA	aA	823	-	69,73,73	1.96	19 (27%)	82,113,113	2.58	29 (35%)
13	CLA	aB	828	-	49,53,73	2.40	20 (40%)	58,89,113	2.99	28 (48%)
13	CLA	cA	814	-	49,53,73	2.31	19 (38%)	58,89,113	3.13	29 (50%)
13	CLA	cA	820	-	69,73,73	2.02	17 (24%)	82,113,113	2.60	32 (39%)
13	CLA	cB	834	-	69,73,73	2.01	18 (26%)	82,113,113	2.69	29 (35%)
13	CLA	bA	818	-	69,73,73	1.93	18 (26%)	82,113,113	2.76	31 (37%)
13	CLA	dB	805	2	58,62,73	2.13	20 (34%)	68,99,113	2.88	30 (44%)
13	CLA	cA	828	-	69,73,73	1.95	19 (27%)	82,113,113	2.68	31 (37%)
13	CLA	cA	802	-	69,73,73	1.95	20 (28%)	82,113,113	2.78	35 (42%)
15	BCR	cA	849	-	41,41,41	1.02	1 (2%)	56,56,56	1.47	11 (19%)
13	CLA	cB	830	-	50,54,73	2.33	19 (38%)	59,90,113	3.07	32 (54%)
13	CLA	bA	814	-	49,53,73	2.30	18 (36%)	58,89,113	3.04	27 (46%)
13	CLA	dA	839	-	60,64,73	2.08	19 (31%)	71,102,113	2.80	29 (40%)
15	BCR	cA	846	-	41,41,41	1.10	2 (4%)	56,56,56	1.51	10 (17%)
13	CLA	dA	812	-	69,73,73	1.99	22 (31%)	82,113,113	2.70	31 (37%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	cF	204	6	49,53,73	2.44	21 (42%)	58,89,113	3.11	31 (53%)
13	CLA	bA	813	-	58,62,73	2.13	19 (32%)	68,99,113	2.80	32 (47%)
13	CLA	bA	810	1	49,53,73	2.37	21 (42%)	58,89,113	3.03	31 (53%)
15	BCR	cA	847	-	41,41,41	1.16	3 (7%)	56,56,56	1.48	10 (17%)
15	BCR	aK	205	-	41,41,41	1.09	3 (7%)	56,56,56	1.37	7 (12%)
13	CLA	bB	812	-	49,53,73	2.42	20 (40%)	58,89,113	3.12	28 (48%)
13	CLA	bA	843	-	69,73,73	1.91	19 (27%)	82,113,113	2.63	31 (37%)
13	CLA	cB	815	-	60,64,73	2.19	20 (33%)	71,102,113	2.82	29 (40%)
13	CLA	aA	841	-	69,73,73	2.02	20 (28%)	82,113,113	2.67	31 (37%)
16	LHG	bA	852	-	48,48,48	0.71	2 (4%)	51,54,54	1.29	6 (11%)
13	CLA	aK	201	-	45,49,73	2.29	18 (40%)	54,83,113	3.19	27 (50%)
13	CLA	bA	819	-	58,62,73	2.14	20 (34%)	68,99,113	2.67	30 (44%)
13	CLA	aJ	101	8	49,53,73	2.42	20 (40%)	58,89,113	3.06	28 (48%)
13	CLA	cB	814	-	69,73,73	2.00	20 (28%)	82,113,113	2.73	31 (37%)
13	CLA	cL	203	-	69,73,73	1.95	18 (26%)	82,113,113	2.66	31 (37%)
16	LHG	dA	853	13	26,26,48	0.93	1 (3%)	29,32,54	1.37	4 (13%)
13	CLA	bA	821	-	65,69,73	2.02	20 (30%)	77,108,113	2.80	32 (41%)
15	BCR	aB	837	-	41,41,41	1.08	2 (4%)	56,56,56	1.39	8 (14%)
13	CLA	dB	829	-	69,73,73	2.00	20 (28%)	82,113,113	2.71	33 (40%)
13	CLA	aB	811	2	69,73,73	1.98	19 (27%)	82,113,113	2.64	33 (40%)
13	CLA	dB	830	-	51,55,73	2.29	21 (41%)	60,91,113	3.02	28 (46%)
13	CLA	dA	823	-	50,54,73	2.27	18 (36%)	59,90,113	3.07	26 (44%)
13	CLA	dA	808	-	55,59,73	2.22	20 (36%)	64,96,113	3.02	33 (51%)
13	CLA	cB	833	-	69,73,73	2.00	21 (30%)	82,113,113	2.72	31 (37%)
13	CLA	dA	827	-	59,63,73	2.08	18 (30%)	70,101,113	2.96	35 (50%)
13	CLA	aA	807	-	69,73,73	1.95	20 (28%)	82,113,113	2.74	32 (39%)
13	CLA	bA	802	-	69,73,73	1.94	18 (26%)	82,113,113	2.82	34 (41%)
13	CLA	aA	843	16	56,60,73	2.21	19 (33%)	65,97,113	2.98	32 (49%)
13	CLA	dA	840	-	54,58,73	2.15	20 (37%)	64,95,113	3.09	34 (53%)
16	LHG	bA	853	13	26,26,48	0.93	1 (3%)	29,32,54	1.37	4 (13%)
13	CLA	cK	203	-	49,53,73	2.35	20 (40%)	58,89,113	3.15	29 (50%)
13	CLA	aA	840	-	69,73,73	1.93	20 (28%)	82,113,113	2.69	31 (37%)
16	LHG	aA	850	-	48,48,48	0.64	0	51,54,54	1.31	6 (11%)
13	CLA	cB	824	-	69,73,73	2.03	20 (28%)	82,113,113	2.75	33 (40%)
15	BCR	bF	203	-	41,41,41	1.09	2 (4%)	56,56,56	1.37	8 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	bA	809	1	69,73,73	1.94	20 (28%)	82,113,113	2.68	30 (36%)
13	CLA	dA	844	16	56,60,73	2.12	17 (30%)	65,97,113	3.17	35 (53%)
13	CLA	bA	825	-	51,55,73	2.23	18 (35%)	60,91,113	3.15	31 (51%)
13	CLA	dA	825	-	51,55,73	2.22	18 (35%)	60,91,113	3.14	31 (51%)
13	CLA	aA	831	-	69,73,73	1.94	17 (24%)	82,113,113	2.68	31 (37%)
13	CLA	bB	830	-	51,55,73	2.29	21 (41%)	60,91,113	3.02	28 (46%)
13	CLA	bA	815	-	49,53,73	2.32	19 (38%)	58,89,113	3.02	31 (53%)
13	CLA	bA	835	-	69,73,73	1.94	18 (26%)	82,113,113	2.75	33 (40%)
13	CLA	cA	824	-	55,59,73	2.16	18 (32%)	64,96,113	3.02	32 (50%)
13	CLA	dA	815	-	49,53,73	2.32	19 (38%)	58,89,113	3.02	31 (53%)
13	CLA	dB	812	-	49,53,73	2.41	20 (40%)	58,89,113	3.12	28 (48%)
13	CLA	aA	833	-	69,73,73	2.00	18 (26%)	82,113,113	2.66	31 (37%)
15	BCR	cB	836	-	41,41,41	1.05	2 (4%)	56,56,56	1.24	5 (8%)
15	BCR	aA	845	-	41,41,41	1.16	3 (7%)	56,56,56	1.32	9 (16%)
15	BCR	bB	834	-	41,41,41	1.14	3 (7%)	56,56,56	1.31	3 (5%)
13	CLA	aF	204	6	49,53,73	2.43	21 (42%)	58,89,113	3.10	31 (53%)
13	CLA	dA	842	-	69,73,73	1.97	22 (31%)	82,113,113	2.71	31 (37%)
13	CLA	dA	814	-	49,53,73	2.30	18 (36%)	58,89,113	3.04	27 (46%)
13	CLA	bA	837	1	49,53,73	2.33	18 (36%)	58,89,113	3.18	31 (53%)
13	CLA	bB	811	-	69,73,73	1.96	21 (30%)	82,113,113	2.67	38 (46%)
13	CLA	aB	803	-	69,73,73	1.97	21 (30%)	82,113,113	2.81	34 (41%)
13	CLA	bA	829	-	69,73,73	1.96	21 (30%)	82,113,113	2.64	35 (42%)
13	CLA	dA	818	-	69,73,73	1.93	18 (26%)	82,113,113	2.77	31 (37%)
13	CLA	cA	838	-	55,59,73	2.20	20 (36%)	64,96,113	2.97	30 (46%)
13	CLA	aA	820	-	69,73,73	2.02	18 (26%)	82,113,113	2.60	33 (40%)
15	BCR	bB	836	-	41,41,41	1.24	3 (7%)	56,56,56	1.17	6 (10%)
13	CLA	cB	822	-	69,73,73	2.02	20 (28%)	82,113,113	2.64	31 (37%)
13	CLA	aB	834	-	69,73,73	2.00	18 (26%)	82,113,113	2.69	29 (35%)
13	CLA	aB	805	-	69,73,73	1.91	20 (28%)	82,113,113	2.57	30 (36%)
13	CLA	cA	839	-	60,64,73	2.08	19 (31%)	71,102,113	2.83	31 (43%)
13	CLA	aA	824	-	55,59,73	2.16	18 (32%)	64,96,113	3.02	32 (50%)
15	BCR	bJ	104	-	41,41,41	1.10	3 (7%)	56,56,56	1.38	7 (12%)
13	CLA	bL	203	-	56,60,73	2.18	19 (33%)	65,97,113	3.17	35 (53%)
15	BCR	cA	848	-	41,41,41	1.24	3 (7%)	56,56,56	1.39	7 (12%)
13	CLA	aA	810	1	49,53,73	2.38	20 (40%)	58,89,113	2.98	27 (46%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
15	BCR	bJ	103	-	41,41,41	1.11	2 (4%)	56,56,56	1.44	9 (16%)
13	CLA	aB	826	-	69,73,73	2.02	20 (28%)	82,113,113	2.69	31 (37%)
13	CLA	dF	204	6	49,53,73	2.39	20 (40%)	58,89,113	3.13	29 (50%)
13	CLA	aB	832	-	51,55,73	2.32	21 (41%)	60,91,113	3.14	30 (50%)
13	CLA	dB	817	-	63,67,73	2.10	20 (31%)	74,105,113	2.89	29 (39%)
13	CLA	dL	203	-	56,60,73	2.19	19 (33%)	65,97,113	3.18	34 (52%)
13	CLA	dB	813	-	69,73,73	1.98	20 (28%)	82,113,113	2.64	27 (32%)
13	CLA	dF	201	-	55,59,73	2.22	20 (36%)	64,96,113	3.11	33 (51%)
13	CLA	bA	816	-	49,53,73	2.33	20 (40%)	58,89,113	3.08	28 (48%)
13	CLA	cL	202	10	50,54,73	2.34	20 (40%)	59,90,113	3.10	29 (49%)
15	BCR	dJ	102	-	41,41,41	1.05	2 (4%)	56,56,56	1.31	7 (12%)
13	CLA	dB	819	-	50,54,73	2.37	22 (44%)	59,90,113	3.16	32 (54%)
13	CLA	cB	807	-	69,73,73	2.02	20 (28%)	82,113,113	2.71	33 (40%)
13	CLA	bA	812	-	69,73,73	1.99	21 (30%)	82,113,113	2.70	31 (37%)
13	CLA	bB	827	-	49,53,73	2.41	20 (40%)	58,89,113	3.13	30 (51%)
13	CLA	aA	838	-	55,59,73	2.20	20 (36%)	64,96,113	2.97	30 (46%)
15	BCR	bJ	102	-	41,41,41	1.05	2 (4%)	56,56,56	1.31	7 (12%)
15	BCR	aA	847	-	41,41,41	1.16	3 (7%)	56,56,56	1.48	10 (17%)
13	CLA	bA	824	-	55,59,73	2.14	20 (36%)	64,96,113	3.02	29 (45%)
13	CLA	aA	802	-	69,73,73	1.96	20 (28%)	82,113,113	2.79	35 (42%)
14	PQN	aA	844	-	34,34,34	1.54	2 (5%)	43,45,45	1.16	5 (11%)
13	CLA	bB	810	2	69,73,73	1.94	18 (26%)	82,113,113	2.67	33 (40%)
13	CLA	cA	822	-	69,73,73	1.98	20 (28%)	82,113,113	2.56	27 (32%)
13	CLA	dB	804	-	69,73,73	1.89	18 (26%)	82,113,113	2.50	27 (32%)
15	BCR	dI	102	-	41,41,41	1.22	2 (4%)	56,56,56	1.40	7 (12%)
13	CLA	dA	810	1	49,53,73	2.36	21 (42%)	58,89,113	3.03	31 (53%)
13	CLA	aB	821	-	69,73,73	2.02	19 (27%)	82,113,113	2.76	31 (37%)
15	BCR	aA	848	-	41,41,41	1.25	3 (7%)	56,56,56	1.39	7 (12%)
17	SF4	aC	102	3	0,12,12	-	-	-		
13	CLA	dB	809	-	69,73,73	1.98	21 (30%)	82,113,113	2.74	33 (40%)
13	CLA	dA	826	-	69,73,73	1.90	19 (27%)	82,113,113	2.59	31 (37%)
13	CLA	aB	806	2	58,62,73	2.19	21 (36%)	68,99,113	2.93	33 (48%)
13	CLA	aA	821	-	65,69,73	1.98	18 (27%)	77,108,113	2.75	29 (37%)
15	BCR	dL	204	-	41,41,41	1.09	4 (9%)	56,56,56	1.37	7 (12%)
13	CLA	cA	813	-	58,62,73	2.15	19 (32%)	68,99,113	2.82	29 (42%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	bA	838	-	55,59,73	2.22	19 (34%)	64,96,113	3.05	31 (48%)
13	CLA	dA	807	-	69,73,73	1.98	19 (27%)	82,113,113	2.74	33 (40%)
15	BCR	dJ	104	-	41,41,41	1.10	3 (7%)	56,56,56	1.37	7 (12%)
13	CLA	bB	825	-	69,73,73	2.01	20 (28%)	82,113,113	2.84	32 (39%)
13	CLA	bA	828	-	69,73,73	1.91	19 (27%)	82,113,113	2.75	33 (40%)
13	CLA	bB	823	-	69,73,73	1.96	18 (26%)	82,113,113	2.64	29 (35%)
13	CLA	aB	812	-	69,73,73	1.99	20 (28%)	82,113,113	2.73	38 (46%)
15	BCR	aL	206	-	41,41,41	1.01	2 (4%)	56,56,56	1.35	8 (14%)
13	CLA	dA	838	-	55,59,73	2.22	19 (34%)	64,96,113	3.06	31 (48%)
15	BCR	bA	847	-	41,41,41	1.14	3 (7%)	56,56,56	1.26	7 (12%)
15	BCR	cJ	103	-	41,41,41	1.04	2 (4%)	56,56,56	1.39	8 (14%)
13	CLA	dA	834	-	69,73,73	1.97	19 (27%)	82,113,113	2.66	35 (42%)
15	BCR	aK	202	-	41,41,41	1.17	3 (7%)	56,56,56	1.34	7 (12%)
13	CLA	dA	822	-	69,73,73	1.91	18 (26%)	82,113,113	2.58	29 (35%)
13	CLA	bA	830	-	69,73,73	1.97	20 (28%)	82,113,113	2.60	32 (39%)
13	CLA	aB	825	-	53,57,73	2.29	19 (35%)	61,93,113	3.08	28 (45%)
13	CLA	dB	818	-	64,68,73	2.08	19 (29%)	76,107,113	2.78	33 (43%)
15	BCR	dA	848	-	41,41,41	1.10	2 (4%)	56,56,56	1.44	8 (14%)
13	CLA	bB	831	-	69,73,73	1.95	19 (27%)	82,113,113	2.70	33 (40%)
15	BCR	bM	101	-	41,41,41	1.13	2 (4%)	56,56,56	1.21	6 (10%)
13	CLA	dA	817	-	53,57,73	2.28	19 (35%)	61,93,113	2.99	29 (47%)
13	CLA	dA	843	-	69,73,73	1.91	19 (27%)	82,113,113	2.63	31 (37%)
13	CLA	aA	832	-	54,58,73	2.21	17 (31%)	64,95,113	2.98	33 (51%)
13	CLA	dA	813	-	58,62,73	2.13	19 (32%)	68,99,113	2.80	32 (47%)
13	CLA	aB	808	-	69,73,73	1.99	20 (28%)	82,113,113	2.76	33 (40%)
13	CLA	bA	839	-	60,64,73	2.09	19 (31%)	71,102,113	2.80	29 (40%)
13	CLA	cA	843	16	56,60,73	2.22	19 (33%)	65,97,113	2.98	32 (49%)
13	CLA	aB	827	-	62,66,73	2.12	19 (30%)	73,104,113	2.96	32 (43%)
13	CLA	bA	811	-	49,53,73	2.33	18 (36%)	58,89,113	3.22	29 (50%)
18	LMG	dB	837	-	55,55,55	0.85	3 (5%)	63,63,63	1.47	7 (11%)
15	BCR	aF	203	-	41,41,41	1.04	2 (4%)	56,56,56	1.35	11 (19%)
13	CLA	dL	202	-	69,73,73	1.89	17 (24%)	82,113,113	2.72	31 (37%)
13	CLA	dB	826	-	62,66,73	2.07	18 (29%)	73,104,113	2.94	33 (45%)
13	CLA	cA	817	-	53,57,73	2.32	19 (35%)	61,93,113	3.04	28 (45%)
13	CLA	cB	803	-	69,73,73	1.97	21 (30%)	82,113,113	2.81	34 (41%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	cK	204	10	50,54,73	2.34	23 (46%)	59,90,113	3.12	29 (49%)
13	CLA	dB	832	-	69,73,73	1.98	20 (28%)	82,113,113	2.71	31 (37%)
13	CLA	bA	831	-	69,73,73	1.93	20 (28%)	82,113,113	2.71	33 (40%)
13	CLA	bA	841	-	69,73,73	2.01	18 (26%)	82,113,113	2.65	30 (36%)
13	CLA	cB	813	-	49,53,73	2.44	21 (42%)	58,89,113	3.08	29 (50%)
13	CLA	aB	817	-	59,63,73	2.22	20 (33%)	70,101,113	2.96	31 (44%)
15	BCR	cB	837	-	41,41,41	1.08	2 (4%)	56,56,56	1.39	8 (14%)
13	CLA	aB	816	-	49,53,73	2.42	21 (42%)	58,89,113	2.98	26 (44%)
13	CLA	aA	828	-	69,73,73	1.95	19 (27%)	82,113,113	2.68	31 (37%)
13	CLA	bA	833	-	69,73,73	1.99	19 (27%)	82,113,113	2.70	30 (36%)
13	CLA	aA	804	-	49,53,73	2.40	19 (38%)	58,89,113	3.09	29 (50%)
13	CLA	dA	833	-	69,73,73	1.99	19 (27%)	82,113,113	2.71	30 (36%)
13	CLA	cA	829	-	69,73,73	1.94	19 (27%)	82,113,113	2.75	32 (39%)
13	CLA	aB	813	-	49,53,73	2.44	21 (42%)	58,89,113	3.08	29 (50%)
13	CLA	cB	805	-	69,73,73	1.91	21 (30%)	82,113,113	2.58	29 (35%)
13	CLA	dB	808	-	69,73,73	1.95	19 (27%)	82,113,113	2.64	32 (39%)
13	CLA	dB	815	-	49,53,73	2.35	21 (42%)	58,89,113	3.10	29 (50%)
13	CLA	cA	836	1	58,62,73	2.13	19 (32%)	68,99,113	2.85	30 (44%)
15	BCR	cA	845	-	41,41,41	1.16	3 (7%)	56,56,56	1.33	9 (16%)
13	CLA	aB	819	-	64,68,73	2.11	20 (31%)	76,107,113	2.74	34 (44%)
13	CLA	aA	806	-	69,73,73	1.93	21 (30%)	82,113,113	2.65	31 (37%)
13	CLA	aB	823	-	69,73,73	1.99	19 (27%)	82,113,113	2.65	26 (31%)
13	CLA	dA	832	-	54,58,73	2.20	18 (33%)	64,95,113	2.94	34 (53%)
15	BCR	dB	835	-	41,41,41	1.09	3 (7%)	56,56,56	1.37	7 (12%)
13	CLA	cA	831	-	69,73,73	1.94	17 (24%)	82,113,113	2.68	31 (37%)
13	CLA	bA	820	-	69,73,73	1.97	19 (27%)	82,113,113	2.58	32 (39%)
17	SF4	aB	802	2,1	0,12,12	-	-	-		
13	CLA	dB	821	-	69,73,73	1.93	21 (30%)	82,113,113	2.79	32 (39%)
15	BCR	dA	851	-	41,41,41	1.12	3 (7%)	56,56,56	1.32	9 (16%)
13	CLA	aA	826	-	69,73,73	1.91	17 (24%)	82,113,113	2.60	29 (35%)
13	CLA	cA	821	-	65,69,73	1.99	18 (27%)	77,108,113	2.75	29 (37%)
13	CLA	aB	804	-	69,73,73	1.92	20 (28%)	82,113,113	2.70	33 (40%)
15	BCR	cJ	102	-	41,41,41	1.08	2 (4%)	56,56,56	1.29	9 (16%)
13	CLA	cA	825	-	51,55,73	2.27	20 (39%)	60,91,113	3.11	32 (53%)
13	CLA	aA	835	-	69,73,73	2.00	19 (27%)	82,113,113	2.76	29 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	cB	811	2	69,73,73	1.98	19 (27%)	82,113,113	2.65	33 (40%)
13	CLA	aB	818	-	63,67,73	2.14	20 (31%)	74,105,113	2.82	31 (41%)
13	CLA	dA	837	1	49,53,73	2.33	19 (38%)	58,89,113	3.18	31 (53%)
13	CLA	aB	801	-	69,73,73	1.95	17 (24%)	82,113,113	2.62	32 (39%)
13	CLA	bB	803	-	69,73,73	1.91	20 (28%)	82,113,113	2.78	37 (45%)
13	CLA	aB	824	-	69,73,73	2.03	20 (28%)	82,113,113	2.75	33 (40%)
13	CLA	bF	204	6	49,53,73	2.39	20 (40%)	58,89,113	3.13	29 (50%)
13	CLA	aA	818	-	69,73,73	1.91	19 (27%)	82,113,113	2.76	31 (37%)
13	CLA	cA	810	1	49,53,73	2.38	20 (40%)	58,89,113	2.99	27 (46%)
13	CLA	aL	202	10	50,54,73	2.34	20 (40%)	59,90,113	3.10	29 (49%)
15	BCR	aL	201	-	41,41,41	1.20	3 (7%)	56,56,56	1.27	4 (7%)
13	CLA	cA	837	1	49,53,73	2.35	20 (40%)	58,89,113	3.19	29 (50%)
13	CLA	cB	831	-	69,73,73	2.00	20 (28%)	82,113,113	2.63	31 (37%)
13	CLA	aA	811	-	49,53,73	2.32	20 (40%)	58,89,113	3.17	29 (50%)
13	CLA	aB	810	-	69,73,73	2.01	20 (28%)	82,113,113	2.72	32 (39%)
13	CLA	cA	805	-	49,53,73	2.36	17 (34%)	58,89,113	3.12	27 (46%)
14	PQN	dA	845	-	34,34,34	1.59	2 (5%)	43,45,45	1.07	4 (9%)
13	CLA	cF	201	-	55,59,73	2.30	20 (36%)	64,96,113	2.94	28 (43%)
17	SF4	aC	101	3	0,12,12	-	-	-		
13	CLA	cB	821	-	69,73,73	2.02	19 (27%)	82,113,113	2.76	31 (37%)
17	SF4	dC	102	3	0,12,12	-	-	-		
15	BCR	dF	203	-	41,41,41	1.09	2 (4%)	56,56,56	1.37	7 (12%)
15	BCR	dM	101	-	41,41,41	1.13	2 (4%)	56,56,56	1.21	6 (10%)
18	LMG	cB	839	-	55,55,55	0.76	0	63,63,63	1.38	8 (12%)
13	CLA	cA	815	-	49,53,73	2.41	18 (36%)	58,89,113	3.08	30 (51%)
15	BCR	aA	846	-	41,41,41	1.09	2 (4%)	56,56,56	1.51	10 (17%)
13	CLA	cB	827	-	62,66,73	2.12	19 (30%)	73,104,113	2.95	31 (42%)
13	CLA	cA	819	-	58,62,73	2.15	17 (29%)	68,99,113	2.86	33 (48%)
14	PQN	cB	835	-	34,34,34	1.54	3 (8%)	43,45,45	1.37	4 (9%)
13	CLA	cB	809	-	69,73,73	1.98	20 (28%)	82,113,113	2.62	30 (36%)
13	CLA	dB	825	-	69,73,73	2.01	21 (30%)	82,113,113	2.83	32 (39%)
13	CLA	cA	832	-	54,58,73	2.21	17 (31%)	64,95,113	2.98	33 (51%)
13	CLA	bB	817	-	63,67,73	2.10	20 (31%)	74,105,113	2.89	29 (39%)
13	CLA	aA	836	1	58,62,73	2.13	19 (32%)	68,99,113	2.85	30 (44%)
13	CLA	cB	801	-	69,73,73	1.94	17 (24%)	82,113,113	2.61	32 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	dB	806	-	69,73,73	2.00	20 (28%)	82,113,113	2.76	32 (39%)
15	BCR	bL	201	-	41,41,41	1.28	4 (9%)	56,56,56	1.29	6 (10%)
13	CLA	cB	812	-	69,73,73	1.99	20 (28%)	82,113,113	2.73	38 (46%)
13	CLA	cA	804	-	49,53,73	2.40	19 (38%)	58,89,113	3.09	29 (50%)
13	CLA	cA	808	-	55,59,73	2.25	20 (36%)	64,96,113	3.09	32 (50%)
13	CLA	dB	827	-	49,53,73	2.41	20 (40%)	58,89,113	3.13	29 (50%)
13	CLA	cA	827	-	59,63,73	2.12	19 (32%)	70,101,113	2.95	33 (47%)
13	CLA	cB	823	-	69,73,73	1.99	19 (27%)	82,113,113	2.65	27 (32%)
15	BCR	aJ	104	-	41,41,41	1.10	2 (4%)	56,56,56	1.35	8 (14%)
13	CLA	dA	829	-	69,73,73	1.96	21 (30%)	82,113,113	2.63	35 (42%)
13	CLA	cA	834	-	69,73,73	1.97	20 (28%)	82,113,113	2.69	33 (40%)
13	CLA	dA	806	-	69,73,73	1.93	20 (28%)	82,113,113	2.68	30 (36%)
13	CLA	bA	822	-	69,73,73	1.91	18 (26%)	82,113,113	2.57	30 (36%)
13	CLA	cB	825	-	53,57,73	2.29	19 (35%)	61,93,113	3.09	28 (45%)
13	CLA	aL	204	-	45,49,73	2.40	18 (40%)	54,84,113	3.28	29 (53%)
14	PQN	bA	845	-	34,34,34	1.60	2 (5%)	43,45,45	1.07	4 (9%)
13	CLA	dB	816	-	59,63,73	2.20	21 (35%)	70,101,113	2.96	29 (41%)
13	CLA	bB	822	-	69,73,73	1.98	19 (27%)	82,113,113	2.61	31 (37%)
15	BCR	bI	101	-	41,41,41	1.20	3 (7%)	56,56,56	1.18	5 (8%)
13	CLA	cK	201	-	45,49,73	2.29	18 (40%)	54,83,113	3.19	27 (50%)
13	CLA	cA	823	-	69,73,73	1.96	19 (27%)	82,113,113	2.59	29 (35%)
13	CLA	aA	803	-	49,53,73	2.35	19 (38%)	58,89,113	2.92	30 (51%)
12	CL0	aA	801	-	58,73,73	3.07	19 (32%)	60,113,113	2.66	17 (28%)
13	CLA	aA	830	-	69,73,73	1.94	20 (28%)	82,113,113	2.59	30 (36%)
13	CLA	cB	808	-	69,73,73	1.99	21 (30%)	82,113,113	2.76	33 (40%)
13	CLA	aB	815	-	60,64,73	2.19	20 (33%)	71,102,113	2.83	29 (40%)
15	BCR	aL	205	-	41,41,41	1.16	2 (4%)	56,56,56	1.37	8 (14%)
13	CLA	cB	804	-	69,73,73	1.92	20 (28%)	82,113,113	2.70	32 (39%)
13	CLA	dB	823	-	69,73,73	1.96	18 (26%)	82,113,113	2.64	30 (36%)
13	CLA	dA	820	-	69,73,73	1.97	19 (27%)	82,113,113	2.58	32 (39%)
13	CLA	aA	805	-	49,53,73	2.37	17 (34%)	58,89,113	3.12	27 (46%)
15	BCR	bA	846	-	41,41,41	1.19	3 (7%)	56,56,56	1.41	12 (21%)
13	CLA	cB	829	-	49,53,73	2.44	20 (40%)	58,89,113	3.01	28 (48%)
15	BCR	cM	101	-	41,41,41	1.09	2 (4%)	56,56,56	1.27	7 (12%)
13	CLA	bA	840	-	54,58,73	2.15	20 (37%)	64,95,113	3.09	34 (53%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	dB	807	-	69,73,73	1.99	21 (30%)	82,113,113	2.79	35 (42%)
13	CLA	aB	829	-	49,53,73	2.44	20 (40%)	58,89,113	3.02	28 (48%)
13	CLA	cB	832	-	51,55,73	2.32	21 (41%)	60,91,113	3.14	29 (48%)
15	BCR	dA	850	-	41,41,41	1.28	4 (9%)	56,56,56	1.48	10 (17%)
13	CLA	aA	817	-	53,57,73	2.32	19 (35%)	61,93,113	3.03	28 (45%)
14	PQN	dB	833	-	34,34,34	1.58	2 (5%)	43,45,45	1.26	5 (11%)
13	CLA	bB	805	2	58,62,73	2.13	20 (34%)	68,99,113	2.88	30 (44%)
13	CLA	dA	841	-	69,73,73	2.01	19 (27%)	82,113,113	2.65	30 (36%)
13	CLA	aA	829	-	69,73,73	1.94	19 (27%)	82,113,113	2.75	32 (39%)
13	CLA	dB	824	-	53,57,73	2.32	18 (33%)	61,93,113	3.12	31 (50%)
15	BCR	bI	102	-	41,41,41	1.22	2 (4%)	56,56,56	1.40	8 (14%)
16	LHG	cA	851	13	26,26,48	0.93	1 (3%)	29,32,54	1.35	3 (10%)
13	CLA	aA	839	-	60,64,73	2.08	19 (31%)	71,102,113	2.83	31 (43%)
13	CLA	aA	812	-	69,73,73	2.00	21 (30%)	82,113,113	2.74	30 (36%)
13	CLA	bB	826	-	62,66,73	2.07	18 (29%)	73,104,113	2.95	33 (45%)
13	CLA	dB	810	2	69,73,73	1.94	18 (26%)	82,113,113	2.67	34 (41%)
15	BCR	cL	205	-	41,41,41	1.16	2 (4%)	56,56,56	1.37	8 (14%)
13	CLA	bB	832	-	69,73,73	1.98	20 (28%)	82,113,113	2.71	31 (37%)
15	BCR	dI	101	-	41,41,41	1.20	3 (7%)	56,56,56	1.17	5 (8%)
13	CLA	bB	807	-	69,73,73	1.99	20 (28%)	82,113,113	2.79	35 (42%)
13	CLA	aB	814	-	69,73,73	2.00	20 (28%)	82,113,113	2.73	31 (37%)
15	BCR	aJ	102	-	41,41,41	1.08	2 (4%)	56,56,56	1.29	9 (16%)
15	BCR	dA	847	-	41,41,41	1.15	3 (7%)	56,56,56	1.26	7 (12%)
13	CLA	aA	814	-	49,53,73	2.31	18 (36%)	58,89,113	3.13	29 (50%)
13	CLA	dA	802	-	69,73,73	1.94	18 (26%)	82,113,113	2.81	34 (41%)
13	CLA	bA	803	-	49,53,73	2.34	18 (36%)	58,89,113	2.91	29 (50%)
15	BCR	aB	836	-	41,41,41	1.05	2 (4%)	56,56,56	1.24	5 (8%)
16	LHG	aA	851	13	26,26,48	0.94	1 (3%)	29,32,54	1.35	3 (10%)
15	BCR	bA	848	-	41,41,41	1.10	2 (4%)	56,56,56	1.43	8 (14%)
13	CLA	cB	806	2	58,62,73	2.19	21 (36%)	68,99,113	2.93	33 (48%)
13	CLA	cL	204	-	45,49,73	2.41	18 (40%)	54,84,113	3.28	29 (53%)
13	CLA	dA	811	-	49,53,73	2.33	18 (36%)	58,89,113	3.22	29 (50%)
13	CLA	dA	831	-	69,73,73	1.93	20 (28%)	82,113,113	2.71	33 (40%)
13	CLA	aK	203	-	49,53,73	2.35	19 (38%)	58,89,113	3.15	29 (50%)
13	CLA	cA	816	-	49,53,73	2.38	18 (36%)	58,89,113	3.05	27 (46%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
13	CLA	bB	804	-	69,73,73	1.90	18 (26%)	82,113,113	2.50	27 (32%)
13	CLA	bB	816	-	59,63,73	2.20	21 (35%)	70,101,113	2.96	29 (41%)
13	CLA	aA	809	1	69,73,73	1.98	19 (27%)	82,113,113	2.66	33 (40%)
13	CLA	bA	836	1	58,62,73	2.15	19 (32%)	68,99,113	2.92	32 (47%)
13	CLA	dA	830	-	69,73,73	1.97	19 (27%)	82,113,113	2.60	32 (39%)
13	CLA	bB	806	-	69,73,73	2.00	20 (28%)	82,113,113	2.76	32 (39%)
13	CLA	dJ	101	8	49,53,73	2.41	20 (40%)	58,89,113	3.11	29 (50%)
15	BCR	bA	850	-	41,41,41	1.28	4 (9%)	56,56,56	1.48	9 (16%)
13	CLA	bA	817	-	53,57,73	2.28	19 (35%)	61,93,113	2.99	29 (47%)
13	CLA	cA	811	-	49,53,73	2.32	20 (40%)	58,89,113	3.18	29 (50%)
13	CLA	aK	204	10	50,54,73	2.35	22 (44%)	59,90,113	3.11	29 (49%)
13	CLA	aL	203	-	69,73,73	1.95	18 (26%)	82,113,113	2.67	31 (37%)
13	CLA	cB	810	-	69,73,73	2.01	20 (28%)	82,113,113	2.72	32 (39%)
13	CLA	bJ	101	8	49,53,73	2.40	20 (40%)	58,89,113	3.11	29 (50%)
13	CLA	cB	818	-	63,67,73	2.14	20 (31%)	74,105,113	2.82	31 (41%)
13	CLA	cA	840	-	69,73,73	1.93	20 (28%)	82,113,113	2.69	31 (37%)
13	CLA	cA	842	-	69,73,73	1.99	21 (30%)	82,113,113	2.63	31 (37%)
16	LHG	cA	850	-	48,48,48	0.64	0	51,54,54	1.31	6 (11%)
13	CLA	dA	809	1	69,73,73	1.94	20 (28%)	82,113,113	2.68	30 (36%)
13	CLA	aA	808	-	55,59,73	2.24	20 (36%)	64,96,113	3.09	31 (48%)
13	CLA	aA	827	-	59,63,73	2.12	19 (32%)	70,101,113	2.95	33 (47%)
13	CLA	aA	834	-	69,73,73	1.97	20 (28%)	82,113,113	2.69	33 (40%)
13	CLA	aB	831	-	69,73,73	2.01	19 (27%)	82,113,113	2.63	31 (37%)
13	CLA	bB	820	-	69,73,73	2.03	20 (28%)	82,113,113	2.62	32 (39%)
13	CLA	bL	202	-	69,73,73	1.89	17 (24%)	82,113,113	2.72	31 (37%)
13	CLA	aB	833	-	69,73,73	2.00	21 (30%)	82,113,113	2.72	32 (39%)
17	SF4	dB	801	2,1	0,12,12	-	-	-		
13	CLA	cB	819	-	64,68,73	2.11	20 (31%)	76,107,113	2.74	34 (44%)
13	CLA	dA	824	-	55,59,73	2.14	20 (36%)	64,96,113	3.01	29 (45%)
13	CLA	bB	818	-	64,68,73	2.08	19 (29%)	76,107,113	2.78	33 (43%)
15	BCR	aJ	103	-	41,41,41	1.04	2 (4%)	56,56,56	1.39	8 (14%)
15	BCR	aB	838	-	41,41,41	1.21	3 (7%)	56,56,56	1.27	9 (16%)
13	CLA	cA	833	-	69,73,73	2.00	18 (26%)	82,113,113	2.66	31 (37%)
15	BCR	bA	851	-	41,41,41	1.12	3 (7%)	56,56,56	1.32	9 (16%)
13	CLA	cB	826	-	69,73,73	2.02	20 (28%)	82,113,113	2.70	31 (37%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
15	BCR	cL	206	-	41,41,41	1.01	2 (4%)	56,56,56	1.35	8 (14%)
13	CLA	dB	822	-	69,73,73	1.99	19 (27%)	82,113,113	2.61	31 (37%)
13	CLA	cB	816	-	49,53,73	2.42	21 (42%)	58,89,113	2.98	26 (44%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	aB	820	-	1/1/11/20	8/17/93/115	-
13	CLA	aA	813	-	1/1/12/20	10/26/102/115	-
17	SF4	cC	102	3	-	-	0/6/5/5
13	CLA	cB	817	-	-	12/27/103/115	-
13	CLA	aA	815	-	1/1/11/20	6/15/91/115	-
13	CLA	bB	828	-	1/1/11/20	6/17/93/115	-
17	SF4	bC	101	3	-	-	0/6/5/5
13	CLA	dB	814	-	1/1/13/20	11/29/105/115	-
13	CLA	bA	834	-	1/1/15/20	15/39/115/115	-
13	CLA	bA	805	-	1/1/11/20	8/15/91/115	-
13	CLA	aA	842	-	1/1/15/20	14/39/115/115	-
15	BCR	bB	835	-	-	16/29/63/63	0/2/2/2
15	BCR	dB	836	-	-	15/29/63/63	0/2/2/2
13	CLA	bA	826	-	1/1/15/20	12/39/115/115	-
13	CLA	aF	201	-	1/1/12/20	8/23/99/115	-
13	CLA	bB	819	-	1/1/11/20	6/17/93/115	-
15	BCR	aA	849	-	-	25/29/63/63	0/2/2/2
13	CLA	dA	836	1	-	3/26/102/115	-
15	BCR	dJ	103	-	-	17/29/63/63	0/2/2/2
13	CLA	bB	821	-	1/1/15/20	16/39/115/115	-
13	CLA	dA	835	-	-	17/39/115/115	-
13	CLA	bA	827	-	1/1/13/20	9/27/103/115	-
17	SF4	dC	101	3	-	-	0/6/5/5
14	PQN	cA	844	-	-	6/23/43/43	0/2/2/2
16	LHG	dA	852	-	-	29/53/53/53	-
13	CLA	bB	808	-	1/1/15/20	2/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	cA	835	-	-	13/39/115/115	-
14	PQN	bB	833	-	-	7/23/43/43	0/2/2/2
18	LMG	bB	837	-	-	25/50/70/70	0/1/1/1
13	CLA	aB	830	-	1/1/11/20	8/17/93/115	-
13	CLA	bB	802	-	1/1/15/20	12/39/115/115	-
15	BCR	cF	202	-	-	17/29/63/63	0/2/2/2
13	CLA	cA	830	-	1/1/15/20	14/39/115/115	-
15	BCR	dA	849	-	-	13/29/63/63	0/2/2/2
13	CLA	cA	809	1	-	19/39/115/115	-
17	SF4	bC	102	3	-	-	0/6/5/5
13	CLA	bA	844	16	1/1/12/20	13/24/100/115	-
13	CLA	dB	828	-	1/1/11/20	6/17/93/115	-
13	CLA	cA	841	-	1/1/15/20	10/39/115/115	-
13	CLA	bA	808	-	-	5/23/99/115	-
13	CLA	cJ	101	8	1/1/11/20	5/15/91/115	-
13	CLA	bA	832	-	-	4/21/97/115	-
15	BCR	cL	201	-	-	9/29/63/63	0/2/2/2
15	BCR	bA	849	-	-	13/29/63/63	0/2/2/2
13	CLA	dA	803	-	1/1/11/20	7/15/91/115	-
15	BCR	dB	834	-	-	14/29/63/63	0/2/2/2
13	CLA	bB	814	-	1/1/13/20	11/29/105/115	-
13	CLA	dB	820	-	1/1/15/20	10/39/115/115	-
15	BCR	dA	846	-	-	12/29/63/63	0/2/2/2
13	CLA	dA	828	-	1/1/15/20	16/39/115/115	-
13	CLA	dA	816	-	1/1/11/20	6/15/91/115	-
13	CLA	cA	818	-	-	12/39/115/115	-
13	CLA	cA	806	-	1/1/15/20	16/39/115/115	-
13	CLA	dB	811	-	1/1/15/20	10/39/115/115	-
13	CLA	aA	816	-	1/1/11/20	7/15/91/115	-
12	CL0	dA	801	-	1/1/20/25	6/37/135/135	-
13	CLA	cA	812	-	1/1/15/20	12/39/115/115	-
15	BCR	cK	202	-	-	13/29/63/63	0/2/2/2
15	BCR	aF	202	-	-	17/29/63/63	0/2/2/2
15	BCR	cB	838	-	-	15/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	SF4	cB	802	2,1	-	-	0/6/5/5
13	CLA	bB	809	-	1/1/15/20	9/39/115/115	-
13	CLA	aB	822	-	1/1/15/20	13/39/115/115	-
15	BCR	cJ	104	-	-	15/29/63/63	0/2/2/2
13	CLA	bA	806	-	1/1/15/20	14/39/115/115	-
13	CLA	bF	201	-	-	5/23/99/115	-
13	CLA	dB	802	-	1/1/15/20	12/39/115/115	-
13	CLA	dB	831	-	1/1/15/20	10/39/115/115	-
13	CLA	aA	822	-	1/1/15/20	7/39/115/115	-
13	CLA	cB	820	-	1/1/11/20	8/17/93/115	-
18	LMG	aB	839	-	-	25/50/70/70	0/1/1/1
13	CLA	bB	815	-	1/1/11/20	7/15/91/115	-
17	SF4	cC	101	3	-	-	0/6/5/5
15	BCR	cF	203	-	-	12/29/63/63	0/2/2/2
13	CLA	aA	819	-	1/1/12/20	12/26/102/115	-
15	BCR	aI	101	-	-	9/29/63/63	0/2/2/2
14	PQN	aB	835	-	-	8/23/43/43	0/2/2/2
13	CLA	aB	809	-	1/1/15/20	3/39/115/115	-
17	SF4	bB	801	2,1	-	-	0/6/5/5
13	CLA	dA	804	-	1/1/11/20	9/15/91/115	-
13	CLA	bA	807	-	1/1/15/20	16/39/115/115	-
15	BCR	dL	201	-	-	14/29/63/63	0/2/2/2
15	BCR	dF	202	-	-	18/29/63/63	0/2/2/2
13	CLA	bB	829	-	1/1/15/20	18/39/115/115	-
15	BCR	cI	101	-	-	9/29/63/63	0/2/2/2
13	CLA	aB	807	-	1/1/15/20	22/39/115/115	-
13	CLA	cA	803	-	1/1/11/20	4/15/91/115	-
13	CLA	bA	823	-	-	8/17/93/115	-
12	CL0	bA	801	-	1/1/20/25	6/37/135/135	-
13	CLA	bB	824	-	-	11/20/96/115	-
13	CLA	dA	805	-	1/1/11/20	8/15/91/115	-
13	CLA	cA	807	-	1/1/15/20	17/39/115/115	-
13	CLA	dA	821	-	1/1/14/20	12/35/111/115	-
13	CLA	cB	828	-	1/1/11/20	4/15/91/115	-
13	CLA	bB	813	-	1/1/15/20	15/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
15	BCR	bF	202	-	-	18/29/63/63	0/2/2/2
13	CLA	aA	837	1	1/1/11/20	11/15/91/115	-
13	CLA	dB	803	-	1/1/15/20	8/39/115/115	-
12	CL0	cA	801	-	2/2/20/25	4/37/135/135	-
13	CLA	cA	826	-	-	18/39/115/115	-
13	CLA	bA	804	-	1/1/11/20	9/15/91/115	-
13	CLA	bA	842	-	-	17/39/115/115	-
15	BCR	aM	101	-	-	19/29/63/63	0/2/2/2
13	CLA	dA	819	-	1/1/12/20	13/26/102/115	-
13	CLA	aA	825	-	1/1/11/20	8/18/94/115	-
13	CLA	aA	823	-	1/1/15/20	15/39/115/115	-
13	CLA	aB	828	-	1/1/11/20	4/15/91/115	-
13	CLA	cA	814	-	1/1/11/20	7/15/91/115	-
13	CLA	cA	820	-	1/1/15/20	16/39/115/115	-
13	CLA	cB	834	-	1/1/15/20	22/39/115/115	-
13	CLA	dB	805	2	1/1/12/20	5/26/102/115	-
13	CLA	bA	818	-	-	13/39/115/115	-
13	CLA	cA	828	-	1/1/15/20	13/39/115/115	-
13	CLA	cA	802	-	1/1/15/20	7/39/115/115	-
15	BCR	cA	849	-	-	25/29/63/63	0/2/2/2
13	CLA	cB	830	-	1/1/11/20	8/17/93/115	-
13	CLA	bA	814	-	1/1/11/20	7/15/91/115	-
13	CLA	dA	839	-	1/1/13/20	8/29/105/115	-
15	BCR	cA	846	-	-	20/29/63/63	0/2/2/2
13	CLA	dA	812	-	-	12/39/115/115	-
13	CLA	cF	204	6	1/1/11/20	4/15/91/115	-
13	CLA	bA	813	-	-	11/26/102/115	-
13	CLA	bA	810	1	1/1/11/20	7/15/91/115	-
15	BCR	cA	847	-	-	12/29/63/63	0/2/2/2
15	BCR	aK	205	-	-	19/29/63/63	0/2/2/2
13	CLA	bB	812	-	1/1/11/20	3/15/91/115	-
13	CLA	bA	843	-	1/1/15/20	17/39/115/115	-
13	CLA	cB	815	-	-	10/29/105/115	-
13	CLA	aA	841	-	1/1/15/20	10/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	LHG	bA	852	-	-	29/53/53/53	-
13	CLA	aK	201	-	1/1/9/20	5/9/81/115	-
13	CLA	bA	819	-	1/1/12/20	13/26/102/115	-
13	CLA	aJ	101	8	1/1/11/20	5/15/91/115	-
13	CLA	cB	814	-	1/1/15/20	13/39/115/115	-
13	CLA	cL	203	-	-	15/39/115/115	-
16	LHG	dA	853	13	-	11/31/31/53	-
13	CLA	bA	821	-	1/1/14/20	12/35/111/115	-
15	BCR	aB	837	-	-	18/29/63/63	0/2/2/2
13	CLA	dB	829	-	1/1/15/20	18/39/115/115	-
13	CLA	aB	811	2	1/1/15/20	9/39/115/115	-
13	CLA	dB	830	-	1/1/11/20	4/18/94/115	-
13	CLA	dA	823	-	-	8/17/93/115	-
13	CLA	dA	808	-	-	5/23/99/115	-
13	CLA	dA	827	-	1/1/13/20	9/27/103/115	-
13	CLA	cB	833	-	-	15/39/115/115	-
13	CLA	aA	807	-	1/1/15/20	17/39/115/115	-
13	CLA	bA	802	-	1/1/15/20	8/39/115/115	-
13	CLA	aA	843	16	1/1/12/20	11/24/100/115	-
13	CLA	dA	840	-	1/1/12/20	5/21/97/115	-
16	LHG	bA	853	13	-	11/31/31/53	-
13	CLA	cK	203	-	1/1/11/20	7/15/91/115	-
13	CLA	aA	840	-	1/1/15/20	16/39/115/115	-
16	LHG	aA	850	-	-	26/53/53/53	-
13	CLA	cB	824	-	-	13/39/115/115	-
15	BCR	bF	203	-	-	15/29/63/63	0/2/2/2
13	CLA	bA	809	1	1/1/15/20	15/39/115/115	-
13	CLA	dA	844	16	1/1/12/20	13/24/100/115	-
13	CLA	bA	825	-	1/1/11/20	6/18/94/115	-
13	CLA	dA	825	-	1/1/11/20	6/18/94/115	-
13	CLA	aA	831	-	1/1/15/20	16/39/115/115	-
13	CLA	bB	830	-	1/1/11/20	4/18/94/115	-
13	CLA	bA	815	-	1/1/11/20	5/15/91/115	-
13	CLA	bA	835	-	-	17/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	dA	815	-	1/1/11/20	5/15/91/115	-
13	CLA	dB	812	-	1/1/11/20	3/15/91/115	-
13	CLA	cA	824	-	-	8/23/99/115	-
13	CLA	aA	833	-	1/1/15/20	10/39/115/115	-
15	BCR	cB	836	-	-	16/29/63/63	0/2/2/2
15	BCR	aA	845	-	-	17/29/63/63	0/2/2/2
15	BCR	bB	834	-	-	14/29/63/63	0/2/2/2
13	CLA	aF	204	6	1/1/11/20	4/15/91/115	-
13	CLA	dA	842	-	-	17/39/115/115	-
13	CLA	dA	814	-	1/1/11/20	7/15/91/115	-
13	CLA	bA	837	1	1/1/11/20	8/15/91/115	-
13	CLA	bB	811	-	1/1/15/20	10/39/115/115	-
13	CLA	aB	803	-	1/1/15/20	12/39/115/115	-
13	CLA	bA	829	-	1/1/15/20	15/39/115/115	-
13	CLA	dA	818	-	-	13/39/115/115	-
13	CLA	cA	838	-	1/1/12/20	10/23/99/115	-
13	CLA	aA	820	-	1/1/15/20	16/39/115/115	-
15	BCR	bB	836	-	-	15/29/63/63	0/2/2/2
13	CLA	cB	822	-	1/1/15/20	13/39/115/115	-
13	CLA	aB	834	-	1/1/15/20	22/39/115/115	-
13	CLA	aB	805	-	1/1/15/20	6/39/115/115	-
13	CLA	cA	839	-	1/1/13/20	9/29/105/115	-
13	CLA	aA	824	-	-	8/23/99/115	-
15	BCR	bJ	104	-	-	13/29/63/63	0/2/2/2
13	CLA	bL	203	-	1/1/12/20	10/24/100/115	-
15	BCR	cA	848	-	-	10/29/63/63	0/2/2/2
13	CLA	aA	810	1	-	6/15/91/115	-
15	BCR	bJ	103	-	-	17/29/63/63	0/2/2/2
13	CLA	aB	826	-	1/1/15/20	8/39/115/115	-
13	CLA	dF	204	6	1/1/11/20	4/15/91/115	-
13	CLA	aB	832	-	1/1/11/20	5/18/94/115	-
13	CLA	dB	817	-	1/1/13/20	16/32/108/115	-
13	CLA	dL	203	-	1/1/12/20	10/24/100/115	-
13	CLA	dB	813	-	1/1/15/20	15/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	dF	201	-	-	5/23/99/115	-
13	CLA	bA	816	-	1/1/11/20	6/15/91/115	-
13	CLA	cL	202	10	1/1/11/20	5/17/93/115	-
15	BCR	dJ	102	-	-	14/29/63/63	0/2/2/2
13	CLA	dB	819	-	1/1/11/20	6/17/93/115	-
13	CLA	cB	807	-	1/1/15/20	22/39/115/115	-
13	CLA	bA	812	-	-	12/39/115/115	-
13	CLA	bB	827	-	-	8/15/91/115	-
13	CLA	aA	838	-	1/1/12/20	10/23/99/115	-
15	BCR	bJ	102	-	-	14/29/63/63	0/2/2/2
15	BCR	aA	847	-	-	12/29/63/63	0/2/2/2
13	CLA	bA	824	-	-	8/23/99/115	-
13	CLA	aA	802	-	1/1/15/20	7/39/115/115	-
14	PQN	aA	844	-	-	6/23/43/43	0/2/2/2
13	CLA	bB	810	2	1/1/15/20	8/39/115/115	-
13	CLA	cA	822	-	1/1/15/20	7/39/115/115	-
13	CLA	dB	804	-	1/1/15/20	5/39/115/115	-
15	BCR	dI	102	-	-	16/29/63/63	0/2/2/2
13	CLA	dA	810	1	1/1/11/20	7/15/91/115	-
13	CLA	aB	821	-	1/1/15/20	6/39/115/115	-
15	BCR	aA	848	-	-	10/29/63/63	0/2/2/2
17	SF4	aC	102	3	-	-	0/6/5/5
13	CLA	dB	809	-	1/1/15/20	9/39/115/115	-
13	CLA	dA	826	-	1/1/15/20	12/39/115/115	-
13	CLA	aB	806	2	1/1/12/20	7/26/102/115	-
13	CLA	aA	821	-	1/1/14/20	13/35/111/115	-
15	BCR	dL	204	-	-	19/29/63/63	0/2/2/2
13	CLA	cA	813	-	1/1/12/20	10/26/102/115	-
13	CLA	bA	838	-	1/1/12/20	12/23/99/115	-
13	CLA	dA	807	-	1/1/15/20	16/39/115/115	-
15	BCR	dJ	104	-	-	13/29/63/63	0/2/2/2
13	CLA	bB	825	-	1/1/15/20	15/39/115/115	-
13	CLA	bA	828	-	1/1/15/20	16/39/115/115	-
13	CLA	bB	823	-	-	19/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	aB	812	-	1/1/15/20	4/39/115/115	-
15	BCR	aL	206	-	-	18/29/63/63	0/2/2/2
13	CLA	dA	838	-	1/1/12/20	12/23/99/115	-
15	BCR	bA	847	-	-	14/29/63/63	0/2/2/2
15	BCR	cJ	103	-	-	14/29/63/63	0/2/2/2
13	CLA	dA	834	-	1/1/15/20	15/39/115/115	-
15	BCR	aK	202	-	-	13/29/63/63	0/2/2/2
13	CLA	dA	822	-	1/1/15/20	9/39/115/115	-
13	CLA	bA	830	-	1/1/15/20	12/39/115/115	-
13	CLA	aB	825	-	-	12/20/96/115	-
13	CLA	dB	818	-	1/1/14/20	7/33/109/115	-
15	BCR	dA	848	-	-	8/29/63/63	0/2/2/2
13	CLA	bB	831	-	1/1/15/20	11/39/115/115	-
15	BCR	bM	101	-	-	16/29/63/63	0/2/2/2
13	CLA	dA	817	-	-	7/20/96/115	-
13	CLA	dA	843	-	1/1/15/20	17/39/115/115	-
13	CLA	aA	832	-	-	7/21/97/115	-
13	CLA	dA	813	-	-	11/26/102/115	-
13	CLA	aB	808	-	1/1/15/20	15/39/115/115	-
13	CLA	bA	839	-	1/1/13/20	8/29/105/115	-
13	CLA	cA	843	16	1/1/12/20	11/24/100/115	-
13	CLA	aB	827	-	1/1/13/20	14/31/107/115	-
13	CLA	bA	811	-	1/1/11/20	6/15/91/115	-
18	LMG	dB	837	-	-	25/50/70/70	0/1/1/1
15	BCR	aF	203	-	-	12/29/63/63	0/2/2/2
13	CLA	dL	202	-	1/1/15/20	20/39/115/115	-
13	CLA	dB	826	-	1/1/13/20	20/31/107/115	-
13	CLA	cA	817	-	-	4/20/96/115	-
13	CLA	cB	803	-	1/1/15/20	12/39/115/115	-
13	CLA	dB	832	-	1/1/15/20	15/39/115/115	-
13	CLA	cK	204	10	-	7/17/93/115	-
13	CLA	bA	831	-	1/1/15/20	13/39/115/115	-
13	CLA	bA	841	-	1/1/15/20	19/39/115/115	-
13	CLA	cB	813	-	1/1/11/20	3/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	aB	817	-	-	12/27/103/115	-
15	BCR	cB	837	-	-	18/29/63/63	0/2/2/2
13	CLA	aB	816	-	1/1/11/20	8/15/91/115	-
13	CLA	aA	828	-	1/1/15/20	13/39/115/115	-
13	CLA	bA	833	-	1/1/15/20	12/39/115/115	-
13	CLA	aA	804	-	1/1/11/20	7/15/91/115	-
13	CLA	dA	833	-	1/1/15/20	12/39/115/115	-
13	CLA	cA	829	-	1/1/15/20	15/39/115/115	-
13	CLA	aB	813	-	1/1/11/20	3/15/91/115	-
13	CLA	cB	805	-	1/1/15/20	6/39/115/115	-
13	CLA	dB	808	-	1/1/15/20	2/39/115/115	-
13	CLA	dB	815	-	1/1/11/20	7/15/91/115	-
13	CLA	cA	836	1	1/1/12/20	12/26/102/115	-
15	BCR	cA	845	-	-	17/29/63/63	0/2/2/2
13	CLA	aB	819	-	1/1/14/20	9/33/109/115	-
13	CLA	aA	806	-	1/1/15/20	16/39/115/115	-
13	CLA	aB	823	-	-	10/39/115/115	-
13	CLA	dA	832	-	-	4/21/97/115	-
15	BCR	dB	835	-	-	16/29/63/63	0/2/2/2
13	CLA	cA	831	-	1/1/15/20	16/39/115/115	-
13	CLA	bA	820	-	1/1/15/20	12/39/115/115	-
17	SF4	aB	802	2,1	-	-	0/6/5/5
13	CLA	dB	821	-	1/1/15/20	16/39/115/115	-
15	BCR	dA	851	-	-	20/29/63/63	0/2/2/2
13	CLA	aA	826	-	-	18/39/115/115	-
13	CLA	cA	821	-	1/1/14/20	13/35/111/115	-
13	CLA	aB	804	-	1/1/15/20	8/39/115/115	-
15	BCR	cJ	102	-	-	18/29/63/63	0/2/2/2
13	CLA	cA	825	-	1/1/11/20	8/18/94/115	-
13	CLA	cB	811	2	1/1/15/20	9/39/115/115	-
13	CLA	aA	835	-	-	13/39/115/115	-
13	CLA	aB	818	-	-	14/32/108/115	-
13	CLA	dA	837	1	1/1/11/20	8/15/91/115	-
13	CLA	aB	801	-	1/1/15/20	11/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	bB	803	-	1/1/15/20	8/39/115/115	-
13	CLA	aB	824	-	-	13/39/115/115	-
13	CLA	bF	204	6	1/1/11/20	4/15/91/115	-
13	CLA	aA	818	-	-	12/39/115/115	-
13	CLA	cA	810	1	-	6/15/91/115	-
13	CLA	aL	202	10	1/1/11/20	5/17/93/115	-
15	BCR	aL	201	-	-	9/29/63/63	0/2/2/2
13	CLA	cA	837	1	1/1/11/20	11/15/91/115	-
13	CLA	cB	831	-	1/1/15/20	7/39/115/115	-
13	CLA	aA	811	-	1/1/11/20	5/15/91/115	-
13	CLA	aB	810	-	1/1/15/20	8/39/115/115	-
13	CLA	cA	805	-	1/1/11/20	2/15/91/115	-
14	PQN	dA	845	-	-	8/23/43/43	0/2/2/2
13	CLA	cF	201	-	1/1/12/20	8/23/99/115	-
17	SF4	aC	101	3	-	-	0/6/5/5
13	CLA	cB	821	-	1/1/15/20	6/39/115/115	-
17	SF4	dC	102	3	-	-	0/6/5/5
15	BCR	dF	203	-	-	15/29/63/63	0/2/2/2
15	BCR	dM	101	-	-	16/29/63/63	0/2/2/2
18	LMG	cB	839	-	-	25/50/70/70	0/1/1/1
13	CLA	cA	815	-	1/1/11/20	6/15/91/115	-
15	BCR	aA	846	-	-	20/29/63/63	0/2/2/2
13	CLA	cB	827	-	1/1/13/20	14/31/107/115	-
13	CLA	cA	819	-	1/1/12/20	12/26/102/115	-
14	PQN	cB	835	-	-	8/23/43/43	0/2/2/2
13	CLA	cB	809	-	1/1/15/20	3/39/115/115	-
13	CLA	dB	825	-	1/1/15/20	15/39/115/115	-
13	CLA	cA	832	-	-	7/21/97/115	-
13	CLA	bB	817	-	1/1/13/20	16/32/108/115	-
13	CLA	aA	836	1	1/1/12/20	12/26/102/115	-
13	CLA	cB	801	-	1/1/15/20	11/39/115/115	-
13	CLA	dB	806	-	1/1/15/20	17/39/115/115	-
15	BCR	bL	201	-	-	14/29/63/63	0/2/2/2
13	CLA	cB	812	-	1/1/15/20	4/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	cA	804	-	1/1/11/20	7/15/91/115	-
13	CLA	cA	808	-	-	3/23/99/115	-
13	CLA	dB	827	-	-	8/15/91/115	-
13	CLA	cA	827	-	1/1/13/20	8/27/103/115	-
13	CLA	cB	823	-	-	10/39/115/115	-
15	BCR	aJ	104	-	-	15/29/63/63	0/2/2/2
13	CLA	dA	829	-	1/1/15/20	15/39/115/115	-
13	CLA	cA	834	-	1/1/15/20	11/39/115/115	-
13	CLA	dA	806	-	1/1/15/20	14/39/115/115	-
13	CLA	bA	822	-	1/1/15/20	9/39/115/115	-
13	CLA	cB	825	-	-	12/20/96/115	-
13	CLA	aL	204	-	-	4/10/86/115	-
14	PQN	bA	845	-	-	8/23/43/43	0/2/2/2
13	CLA	dB	816	-	-	9/27/103/115	-
13	CLA	bB	822	-	-	13/39/115/115	-
15	BCR	bI	101	-	-	20/29/63/63	0/2/2/2
13	CLA	cK	201	-	1/1/9/20	5/9/81/115	-
13	CLA	cA	823	-	1/1/15/20	15/39/115/115	-
13	CLA	aA	803	-	1/1/11/20	4/15/91/115	-
12	CL0	aA	801	-	2/2/20/25	4/37/135/135	-
13	CLA	aA	830	-	1/1/15/20	14/39/115/115	-
13	CLA	cB	808	-	1/1/15/20	15/39/115/115	-
13	CLA	aB	815	-	-	10/29/105/115	-
15	BCR	aL	205	-	-	16/29/63/63	0/2/2/2
13	CLA	cB	804	-	1/1/15/20	8/39/115/115	-
13	CLA	dB	823	-	-	19/39/115/115	-
13	CLA	dA	820	-	1/1/15/20	12/39/115/115	-
13	CLA	aA	805	-	1/1/11/20	2/15/91/115	-
15	BCR	bA	846	-	-	12/29/63/63	0/2/2/2
13	CLA	cB	829	-	1/1/11/20	3/15/91/115	-
15	BCR	cM	101	-	-	19/29/63/63	0/2/2/2
13	CLA	bA	840	-	1/1/12/20	5/21/97/115	-
13	CLA	dB	807	-	1/1/15/20	16/39/115/115	-
13	CLA	aB	829	-	1/1/11/20	3/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	cB	832	-	1/1/11/20	5/18/94/115	-
15	BCR	dA	850	-	-	18/29/63/63	0/2/2/2
13	CLA	aA	817	-	-	4/20/96/115	-
14	PQN	dB	833	-	-	7/23/43/43	0/2/2/2
13	CLA	bB	805	2	1/1/12/20	5/26/102/115	-
13	CLA	dA	841	-	1/1/15/20	19/39/115/115	-
13	CLA	aA	829	-	1/1/15/20	15/39/115/115	-
13	CLA	dB	824	-	-	11/20/96/115	-
15	BCR	bI	102	-	-	16/29/63/63	0/2/2/2
16	LHG	cA	851	13	-	8/31/31/53	-
13	CLA	aA	839	-	1/1/13/20	9/29/105/115	-
13	CLA	aA	812	-	1/1/15/20	12/39/115/115	-
13	CLA	bB	826	-	1/1/13/20	19/31/107/115	-
13	CLA	dB	810	2	1/1/15/20	8/39/115/115	-
15	BCR	cL	205	-	-	16/29/63/63	0/2/2/2
13	CLA	bB	832	-	1/1/15/20	15/39/115/115	-
15	BCR	dI	101	-	-	20/29/63/63	0/2/2/2
13	CLA	bB	807	-	1/1/15/20	16/39/115/115	-
13	CLA	aB	814	-	1/1/15/20	13/39/115/115	-
15	BCR	aJ	102	-	-	18/29/63/63	0/2/2/2
15	BCR	dA	847	-	-	14/29/63/63	0/2/2/2
13	CLA	aA	814	-	1/1/11/20	7/15/91/115	-
13	CLA	dA	802	-	1/1/15/20	8/39/115/115	-
13	CLA	bA	803	-	1/1/11/20	7/15/91/115	-
15	BCR	aB	836	-	-	16/29/63/63	0/2/2/2
16	LHG	aA	851	13	-	8/31/31/53	-
15	BCR	bA	848	-	-	8/29/63/63	0/2/2/2
13	CLA	cB	806	2	1/1/12/20	7/26/102/115	-
13	CLA	dA	811	-	1/1/11/20	6/15/91/115	-
13	CLA	cL	204	-	-	4/10/86/115	-
13	CLA	dA	831	-	1/1/15/20	13/39/115/115	-
13	CLA	aK	203	-	1/1/11/20	7/15/91/115	-
13	CLA	cA	816	-	1/1/11/20	7/15/91/115	-
13	CLA	bB	804	-	1/1/15/20	5/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
13	CLA	bB	816	-	-	9/27/103/115	-
13	CLA	aA	809	1	-	19/39/115/115	-
13	CLA	bA	836	1	-	3/26/102/115	-
13	CLA	dA	830	-	1/1/15/20	12/39/115/115	-
13	CLA	bB	806	-	1/1/15/20	17/39/115/115	-
13	CLA	dJ	101	8	1/1/11/20	7/15/91/115	-
15	BCR	bA	850	-	-	18/29/63/63	0/2/2/2
13	CLA	bA	817	-	-	7/20/96/115	-
13	CLA	cA	811	-	1/1/11/20	5/15/91/115	-
13	CLA	aK	204	10	-	7/17/93/115	-
13	CLA	aL	203	-	-	15/39/115/115	-
13	CLA	cB	810	-	1/1/15/20	8/39/115/115	-
13	CLA	bJ	101	8	1/1/11/20	7/15/91/115	-
13	CLA	cB	818	-	-	14/32/108/115	-
13	CLA	cA	840	-	1/1/15/20	16/39/115/115	-
13	CLA	cA	842	-	1/1/15/20	14/39/115/115	-
16	LHG	cA	850	-	-	26/53/53/53	-
13	CLA	dA	809	1	1/1/15/20	15/39/115/115	-
13	CLA	aA	808	-	-	3/23/99/115	-
13	CLA	aA	827	-	1/1/13/20	8/27/103/115	-
13	CLA	aA	834	-	1/1/15/20	11/39/115/115	-
13	CLA	aB	831	-	1/1/15/20	7/39/115/115	-
13	CLA	bB	820	-	1/1/15/20	10/39/115/115	-
13	CLA	bL	202	-	1/1/15/20	20/39/115/115	-
13	CLA	aB	833	-	-	15/39/115/115	-
17	SF4	dB	801	2,1	-	-	0/6/5/5
13	CLA	cB	819	-	1/1/14/20	9/33/109/115	-
13	CLA	dA	824	-	-	8/23/99/115	-
13	CLA	bB	818	-	1/1/14/20	7/33/109/115	-
15	BCR	aJ	103	-	-	14/29/63/63	0/2/2/2
15	BCR	aB	838	-	-	15/29/63/63	0/2/2/2
13	CLA	cA	833	-	1/1/15/20	10/39/115/115	-
15	BCR	bA	851	-	-	20/29/63/63	0/2/2/2
13	CLA	cB	826	-	1/1/15/20	8/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
15	BCR	cL	206	-	-	18/29/63/63	0/2/2/2
13	CLA	dB	822	-	-	13/39/115/115	-
13	CLA	cB	816	-	1/1/11/20	8/15/91/115	-

All (6642) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
12	aA	801	CL0	C1A-CHA	9.10	1.50	1.40
12	cA	801	CL0	C1A-CHA	9.09	1.50	1.40
12	aA	801	CL0	C3B-C4B	8.88	1.50	1.41
12	cA	801	CL0	C3B-C4B	8.83	1.50	1.41
12	dA	801	CL0	C3B-C4B	8.77	1.49	1.41
12	bA	801	CL0	C3B-C4B	8.71	1.49	1.41
12	bA	801	CL0	C1A-CHA	8.54	1.49	1.40
12	dA	801	CL0	C1A-CHA	8.50	1.49	1.40
14	bA	845	PQN	C3-C2	7.72	1.49	1.35
14	dA	845	PQN	C3-C2	7.70	1.49	1.35
12	cA	801	CL0	C1D-C2D	7.62	1.48	1.39
12	aA	801	CL0	C1D-C2D	7.56	1.48	1.39
14	bB	833	PQN	C3-C2	7.53	1.48	1.35
14	dB	833	PQN	C3-C2	7.51	1.48	1.35
14	aA	844	PQN	C3-C2	7.39	1.48	1.35
14	cA	844	PQN	C3-C2	7.36	1.48	1.35
14	cB	835	PQN	C3-C2	7.11	1.47	1.35
14	aB	835	PQN	C3-C2	7.09	1.47	1.35
12	cA	801	CL0	C1B-C2B	6.89	1.47	1.39
12	aA	801	CL0	C1B-C2B	6.88	1.47	1.39
12	dA	801	CL0	C1B-C2B	6.66	1.47	1.39
12	bA	801	CL0	C1B-C2B	6.65	1.47	1.39
12	bA	801	CL0	C1D-C2D	6.31	1.46	1.39
12	dA	801	CL0	C1D-C2D	6.28	1.46	1.39
13	aB	834	CLA	C3C-C2C	5.80	1.49	1.36
13	cB	834	CLA	C3C-C2C	5.80	1.49	1.36
12	bA	801	CL0	CHB-C4A	-5.69	1.31	1.38
12	dA	801	CL0	CHB-C4A	-5.68	1.31	1.38
12	bA	801	CL0	C3A-C2A	-5.54	1.49	1.54
13	aA	843	CLA	C3C-C2C	5.53	1.48	1.36
13	cA	843	CLA	C3C-C2C	5.53	1.48	1.36
12	dA	801	CL0	C3A-C2A	-5.53	1.49	1.54
13	cB	821	CLA	C3C-C2C	5.50	1.48	1.36
13	bB	812	CLA	C3C-C2C	5.50	1.48	1.36
13	aB	821	CLA	C3C-C2C	5.49	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	812	CLA	C3C-C2C	5.49	1.48	1.36
12	aA	801	CL0	C3D-C2D	5.48	1.49	1.39
13	cK	204	CLA	C3C-C2C	5.48	1.48	1.36
13	aK	204	CLA	C3C-C2C	5.47	1.48	1.36
12	cA	801	CL0	C3D-C2D	5.47	1.49	1.39
13	dB	814	CLA	C3C-C2C	5.42	1.48	1.36
13	bB	814	CLA	C3C-C2C	5.42	1.48	1.36
13	cA	810	CLA	C3C-C2C	5.41	1.48	1.36
13	aA	810	CLA	C3C-C2C	5.40	1.48	1.36
13	cB	832	CLA	C3C-C2C	5.37	1.48	1.36
13	aB	832	CLA	C3C-C2C	5.36	1.48	1.36
13	cB	829	CLA	C3C-C2C	5.34	1.48	1.36
13	bB	806	CLA	C3C-C2C	5.33	1.48	1.36
13	dB	806	CLA	C3C-C2C	5.33	1.48	1.36
13	aB	829	CLA	C3C-C2C	5.32	1.48	1.36
13	dB	824	CLA	C3C-C2C	5.32	1.48	1.36
13	cB	816	CLA	C3C-C2C	5.32	1.48	1.36
13	cB	813	CLA	C3C-C2C	5.31	1.48	1.36
13	cB	825	CLA	C3C-C2C	5.31	1.48	1.36
13	aB	816	CLA	C3C-C2C	5.31	1.48	1.36
13	aB	825	CLA	C3C-C2C	5.31	1.48	1.36
13	aF	201	CLA	C3C-C2C	5.30	1.48	1.36
13	dB	811	CLA	C3C-C2C	5.30	1.48	1.36
13	cF	201	CLA	C3C-C2C	5.30	1.48	1.36
13	aB	813	CLA	C3C-C2C	5.29	1.48	1.36
13	bB	824	CLA	C3C-C2C	5.29	1.48	1.36
13	cA	812	CLA	C3C-C2C	5.29	1.48	1.36
13	aA	812	CLA	C3C-C2C	5.29	1.48	1.36
13	aB	822	CLA	O2D-CGD	5.29	1.46	1.33
13	dB	809	CLA	O2D-CGD	5.29	1.46	1.33
13	bB	809	CLA	O2D-CGD	5.28	1.46	1.33
13	bB	816	CLA	C3C-C2C	5.28	1.48	1.36
13	bB	811	CLA	C3C-C2C	5.27	1.48	1.36
13	cA	817	CLA	C3C-C2C	5.27	1.48	1.36
13	aB	817	CLA	C3C-C2C	5.27	1.48	1.36
13	cB	822	CLA	O2D-CGD	5.27	1.46	1.33
13	aA	817	CLA	C3C-C2C	5.27	1.48	1.36
13	cA	805	CLA	C3C-C2C	5.26	1.48	1.36
13	cF	204	CLA	C3C-C2C	5.26	1.48	1.36
13	aA	805	CLA	C3C-C2C	5.25	1.48	1.36
13	dB	816	CLA	C3C-C2C	5.25	1.48	1.36
13	cB	817	CLA	C3C-C2C	5.25	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
12	cA	801	CL0	CHB-C4A	-5.25	1.32	1.38
13	bF	204	CLA	C3C-C2C	5.25	1.48	1.36
13	dJ	101	CLA	C3C-C2C	5.25	1.48	1.36
12	aA	801	CL0	CHB-C4A	-5.24	1.32	1.38
13	cB	818	CLA	C3C-C2C	5.24	1.48	1.36
13	bJ	101	CLA	C3C-C2C	5.24	1.48	1.36
13	dF	204	CLA	C3C-C2C	5.24	1.48	1.36
13	cB	824	CLA	C3C-C2C	5.24	1.48	1.36
13	bB	829	CLA	C3C-C2C	5.24	1.48	1.36
13	aF	204	CLA	C3C-C2C	5.24	1.48	1.36
13	dB	829	CLA	C3C-C2C	5.24	1.48	1.36
13	dB	815	CLA	C3C-C2C	5.23	1.48	1.36
13	aB	818	CLA	C3C-C2C	5.23	1.48	1.36
13	aB	809	CLA	C3C-C2C	5.23	1.48	1.36
13	bA	817	CLA	C3C-C2C	5.23	1.48	1.36
12	bA	801	CL0	C3D-C2D	5.22	1.48	1.39
13	cB	809	CLA	C3C-C2C	5.22	1.48	1.36
13	aB	824	CLA	C3C-C2C	5.21	1.48	1.36
13	cB	833	CLA	C3C-C2C	5.21	1.48	1.36
13	bB	815	CLA	C3C-C2C	5.21	1.48	1.36
13	cB	819	CLA	O2D-CGD	5.21	1.46	1.33
13	cA	842	CLA	C3C-C2C	5.21	1.48	1.36
13	aA	842	CLA	C3C-C2C	5.20	1.48	1.36
13	aB	819	CLA	O2D-CGD	5.20	1.46	1.33
12	dA	801	CL0	C3D-C2D	5.20	1.48	1.39
13	bA	839	CLA	C1B-NB	-5.19	1.31	1.37
13	dA	817	CLA	C3C-C2C	5.18	1.48	1.36
13	aB	833	CLA	C3C-C2C	5.18	1.48	1.36
13	cB	828	CLA	C3C-C2C	5.18	1.47	1.36
13	aB	820	CLA	C3C-C2C	5.18	1.47	1.36
13	cB	810	CLA	C3C-C2C	5.18	1.47	1.36
13	cB	825	CLA	O2D-CGD	5.18	1.46	1.33
13	cA	839	CLA	C3C-C2C	5.18	1.47	1.36
13	dB	820	CLA	C3C-C2C	5.18	1.47	1.36
13	aB	828	CLA	C3C-C2C	5.17	1.47	1.36
13	cB	820	CLA	C3C-C2C	5.17	1.47	1.36
13	bB	820	CLA	C3C-C2C	5.17	1.47	1.36
13	cA	804	CLA	C3C-C2C	5.17	1.47	1.36
13	dB	825	CLA	C3C-C2C	5.17	1.47	1.36
13	aB	810	CLA	C3C-C2C	5.16	1.47	1.36
13	bB	825	CLA	C3C-C2C	5.16	1.47	1.36
13	bB	802	CLA	O2D-CGD	5.16	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	841	CLA	C1D-ND	5.16	1.44	1.37
13	dA	802	CLA	C1B-NB	-5.16	1.31	1.37
13	cA	835	CLA	C3C-C2C	5.16	1.47	1.36
13	aB	825	CLA	O2D-CGD	5.15	1.45	1.33
13	cA	841	CLA	O2D-CGD	5.15	1.45	1.33
13	aA	816	CLA	C3C-C2C	5.15	1.47	1.36
13	dB	802	CLA	O2D-CGD	5.15	1.45	1.33
13	aA	841	CLA	O2D-CGD	5.14	1.45	1.33
13	dA	839	CLA	C1B-NB	-5.14	1.31	1.37
13	aA	839	CLA	C3C-C2C	5.14	1.47	1.36
13	aA	835	CLA	C3C-C2C	5.14	1.47	1.36
13	aB	821	CLA	O2D-CGD	5.14	1.45	1.33
13	bA	816	CLA	O2D-CGD	5.14	1.45	1.33
13	cA	820	CLA	C3C-C2C	5.13	1.47	1.36
13	aB	815	CLA	C3C-C2C	5.13	1.47	1.36
13	bA	829	CLA	O2D-CGD	5.13	1.45	1.33
13	aB	826	CLA	C3C-C2C	5.13	1.47	1.36
13	cB	823	CLA	O2D-CGD	5.13	1.45	1.33
13	aB	830	CLA	C3C-C2C	5.13	1.47	1.36
13	cB	817	CLA	O2D-CGD	5.13	1.45	1.33
13	cB	826	CLA	C3C-C2C	5.13	1.47	1.36
13	dA	816	CLA	O2D-CGD	5.13	1.45	1.33
13	dB	822	CLA	O2D-CGD	5.13	1.45	1.33
13	cA	816	CLA	C3C-C2C	5.13	1.47	1.36
13	aB	823	CLA	O2D-CGD	5.13	1.45	1.33
13	cL	202	CLA	O2D-CGD	5.13	1.45	1.33
13	aA	804	CLA	C3C-C2C	5.13	1.47	1.36
13	aL	202	CLA	O2D-CGD	5.13	1.45	1.33
13	cJ	101	CLA	C3C-C2C	5.13	1.47	1.36
13	dB	813	CLA	C3C-C2C	5.13	1.47	1.36
13	aA	812	CLA	O2D-CGD	5.12	1.45	1.33
13	aJ	101	CLA	C3C-C2C	5.12	1.47	1.36
13	aB	816	CLA	O2D-CGD	5.12	1.45	1.33
13	bF	204	CLA	O2D-CGD	5.12	1.45	1.33
13	aB	808	CLA	C3C-C2C	5.12	1.47	1.36
13	aB	817	CLA	O2D-CGD	5.12	1.45	1.33
13	cA	837	CLA	C3C-C2C	5.12	1.47	1.36
13	bB	824	CLA	O2D-CGD	5.12	1.45	1.33
13	cB	821	CLA	O2D-CGD	5.12	1.45	1.33
13	dF	204	CLA	O2D-CGD	5.12	1.45	1.33
13	aA	808	CLA	C3C-C2C	5.12	1.47	1.36
13	aA	837	CLA	C3C-C2C	5.12	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	829	CLA	O2D-CGD	5.12	1.45	1.33
13	bB	822	CLA	O2D-CGD	5.11	1.45	1.33
13	dB	823	CLA	C3C-C2C	5.11	1.47	1.36
13	aA	841	CLA	C1D-ND	5.11	1.44	1.37
13	aB	814	CLA	C3C-C2C	5.11	1.47	1.36
13	cA	808	CLA	C3C-C2C	5.11	1.47	1.36
13	cB	814	CLA	C3C-C2C	5.11	1.47	1.36
13	aL	202	CLA	C3C-C2C	5.11	1.47	1.36
13	cB	830	CLA	O2D-CGD	5.11	1.45	1.33
13	bB	808	CLA	C3C-C2C	5.11	1.47	1.36
13	cA	812	CLA	O2D-CGD	5.11	1.45	1.33
13	bA	838	CLA	C3C-C2C	5.11	1.47	1.36
13	dA	838	CLA	C3C-C2C	5.11	1.47	1.36
13	bB	828	CLA	O2D-CGD	5.11	1.45	1.33
13	cB	816	CLA	O2D-CGD	5.11	1.45	1.33
13	aA	817	CLA	O2D-CGD	5.11	1.45	1.33
13	dB	808	CLA	C3C-C2C	5.11	1.47	1.36
13	dB	828	CLA	O2D-CGD	5.11	1.45	1.33
13	bB	813	CLA	C3C-C2C	5.11	1.47	1.36
13	cL	202	CLA	C3C-C2C	5.10	1.47	1.36
13	aB	830	CLA	O2D-CGD	5.10	1.45	1.33
13	bA	817	CLA	O2D-CGD	5.10	1.45	1.33
13	cA	822	CLA	C3C-C2C	5.10	1.47	1.36
13	dB	824	CLA	O2D-CGD	5.10	1.45	1.33
13	aA	820	CLA	C3C-C2C	5.10	1.47	1.36
13	aB	820	CLA	CHC-C1C	5.10	1.48	1.38
13	cB	815	CLA	C3C-C2C	5.10	1.47	1.36
13	bA	802	CLA	C1B-NB	-5.10	1.31	1.37
13	dA	817	CLA	O2D-CGD	5.10	1.45	1.33
13	cB	826	CLA	O2D-CGD	5.10	1.45	1.33
13	dJ	101	CLA	O2D-CGD	5.09	1.45	1.33
13	dA	820	CLA	C1B-NB	-5.09	1.31	1.37
13	cB	819	CLA	C3C-C2C	5.09	1.47	1.36
13	aA	833	CLA	O2D-CGD	5.09	1.45	1.33
13	cA	833	CLA	O2D-CGD	5.09	1.45	1.33
13	bA	842	CLA	C3C-C2C	5.09	1.47	1.36
13	cB	830	CLA	C3C-C2C	5.09	1.47	1.36
13	bA	810	CLA	C3C-C2C	5.09	1.47	1.36
13	aB	826	CLA	O2D-CGD	5.09	1.45	1.33
13	cB	808	CLA	C3C-C2C	5.09	1.47	1.36
13	cA	817	CLA	O2D-CGD	5.09	1.45	1.33
13	aK	201	CLA	C3C-C2C	5.09	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	810	CLA	C3C-C2C	5.09	1.47	1.36
13	dA	842	CLA	C3C-C2C	5.08	1.47	1.36
13	bB	823	CLA	C3C-C2C	5.08	1.47	1.36
13	bJ	101	CLA	O2D-CGD	5.08	1.45	1.33
13	dB	818	CLA	O2D-CGD	5.08	1.45	1.33
13	dB	817	CLA	O2D-CGD	5.08	1.45	1.33
13	aL	203	CLA	C3C-C2C	5.08	1.47	1.36
13	aA	822	CLA	C3C-C2C	5.08	1.47	1.36
13	dA	804	CLA	O2D-CGD	5.07	1.45	1.33
13	bB	818	CLA	O2D-CGD	5.07	1.45	1.33
13	cB	814	CLA	CHC-C1C	5.07	1.48	1.38
13	bB	817	CLA	O2D-CGD	5.07	1.45	1.33
13	cK	201	CLA	C3C-C2C	5.07	1.47	1.36
13	bA	804	CLA	O2D-CGD	5.07	1.45	1.33
13	bB	817	CLA	C3C-C2C	5.07	1.47	1.36
13	cB	817	CLA	C1D-ND	5.07	1.44	1.37
13	cB	829	CLA	C1D-ND	5.07	1.44	1.37
13	aB	814	CLA	CHC-C1C	5.06	1.48	1.38
13	aA	809	CLA	C3C-C2C	5.06	1.47	1.36
13	cB	820	CLA	CHC-C1C	5.06	1.48	1.38
13	dB	827	CLA	C1D-ND	5.06	1.44	1.37
13	bA	820	CLA	C1B-NB	-5.06	1.31	1.37
13	aB	819	CLA	C3C-C2C	5.06	1.47	1.36
13	aB	815	CLA	O2D-CGD	5.06	1.45	1.33
13	bB	820	CLA	O2D-CGD	5.05	1.45	1.33
13	cB	815	CLA	O2D-CGD	5.05	1.45	1.33
13	cB	813	CLA	C1D-ND	5.05	1.44	1.37
13	cF	204	CLA	O2D-CGD	5.05	1.45	1.33
13	dB	818	CLA	C3C-C2C	5.05	1.47	1.36
13	bA	812	CLA	O2D-CGD	5.05	1.45	1.33
13	dB	822	CLA	C3C-C2C	5.05	1.47	1.36
13	cB	810	CLA	O2D-CGD	5.05	1.45	1.33
13	bB	818	CLA	C3C-C2C	5.05	1.47	1.36
13	aF	204	CLA	O2D-CGD	5.05	1.45	1.33
13	aA	816	CLA	O2D-CGD	5.05	1.45	1.33
13	cA	809	CLA	C3C-C2C	5.05	1.47	1.36
13	dB	817	CLA	C3C-C2C	5.05	1.47	1.36
13	aB	831	CLA	C3C-C2C	5.05	1.47	1.36
13	aK	203	CLA	C3C-C2C	5.05	1.47	1.36
13	cB	831	CLA	C3C-C2C	5.05	1.47	1.36
13	aJ	101	CLA	O2D-CGD	5.05	1.45	1.33
12	bA	801	CL0	C3B-C2B	5.05	1.47	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	830	CLA	C3C-C2C	5.04	1.47	1.36
13	bA	807	CLA	C3C-C2C	5.04	1.47	1.36
13	cA	816	CLA	O2D-CGD	5.04	1.45	1.33
13	bB	827	CLA	C3C-C2C	5.04	1.47	1.36
13	dB	830	CLA	C3C-C2C	5.04	1.47	1.36
13	aB	817	CLA	C1D-ND	5.04	1.44	1.37
13	cJ	101	CLA	O2D-CGD	5.04	1.45	1.33
13	cB	833	CLA	O2D-CGD	5.04	1.45	1.33
13	bF	201	CLA	C3C-C2C	5.04	1.47	1.36
13	dB	827	CLA	C3C-C2C	5.04	1.47	1.36
13	cA	803	CLA	O2D-CGD	5.04	1.45	1.33
13	dA	812	CLA	O2D-CGD	5.04	1.45	1.33
13	aA	803	CLA	O2D-CGD	5.04	1.45	1.33
13	dA	807	CLA	C3C-C2C	5.04	1.47	1.36
13	dF	201	CLA	C3C-C2C	5.04	1.47	1.36
13	bB	827	CLA	C1D-ND	5.04	1.44	1.37
13	cA	815	CLA	C3C-C2C	5.03	1.47	1.36
13	aB	833	CLA	O2D-CGD	5.03	1.45	1.33
13	cL	203	CLA	C3C-C2C	5.03	1.47	1.36
13	aA	815	CLA	C3C-C2C	5.03	1.47	1.36
13	bB	812	CLA	O2D-CGD	5.03	1.45	1.33
13	dA	808	CLA	O2D-CGD	5.03	1.45	1.33
13	aB	810	CLA	O2D-CGD	5.03	1.45	1.33
13	dA	841	CLA	C3C-C2C	5.03	1.47	1.36
13	cB	813	CLA	O2D-CGD	5.02	1.45	1.33
13	bB	805	CLA	O2D-CGD	5.02	1.45	1.33
13	cA	829	CLA	O2D-CGD	5.02	1.45	1.33
13	dB	805	CLA	O2D-CGD	5.02	1.45	1.33
13	aA	841	CLA	C3C-C2C	5.02	1.47	1.36
13	bA	808	CLA	O2D-CGD	5.02	1.45	1.33
12	dA	801	CL0	C3B-C2B	5.02	1.47	1.40
13	aF	201	CLA	O2D-CGD	5.02	1.45	1.33
13	dB	820	CLA	O2D-CGD	5.01	1.45	1.33
13	bB	822	CLA	C3C-C2C	5.01	1.47	1.36
13	aA	820	CLA	O2D-CGD	5.01	1.45	1.33
13	cA	820	CLA	O2D-CGD	5.01	1.45	1.33
13	aA	828	CLA	C3C-C2C	5.01	1.47	1.36
13	cA	828	CLA	C3C-C2C	5.01	1.47	1.36
13	aA	818	CLA	O2D-CGD	5.01	1.45	1.33
13	cK	203	CLA	C3C-C2C	5.01	1.47	1.36
13	aB	829	CLA	C1D-ND	5.01	1.44	1.37
13	aB	813	CLA	O2D-CGD	5.01	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	816	CLA	O2D-CGD	5.01	1.45	1.33
13	aB	803	CLA	O2D-CGD	5.00	1.45	1.33
13	cB	809	CLA	O2D-CGD	5.00	1.45	1.33
13	cA	841	CLA	C3C-C2C	5.00	1.47	1.36
13	aA	829	CLA	O2D-CGD	5.00	1.45	1.33
13	cB	803	CLA	O2D-CGD	5.00	1.45	1.33
13	aB	809	CLA	O2D-CGD	5.00	1.45	1.33
13	bA	841	CLA	C3C-C2C	5.00	1.47	1.36
13	bB	819	CLA	C3C-C2C	5.00	1.47	1.36
13	dB	819	CLA	C3C-C2C	5.00	1.47	1.36
13	cF	201	CLA	O2D-CGD	5.00	1.45	1.33
13	cA	818	CLA	O2D-CGD	5.00	1.45	1.33
13	bB	816	CLA	O2D-CGD	5.00	1.45	1.33
13	aA	809	CLA	O2D-CGD	4.99	1.45	1.33
13	cB	801	CLA	O2D-CGD	4.99	1.45	1.33
13	dB	807	CLA	O2D-CGD	4.99	1.45	1.33
13	aB	813	CLA	C1D-ND	4.99	1.44	1.37
13	bA	805	CLA	CHC-C1C	4.99	1.48	1.38
13	bA	841	CLA	O2D-CGD	4.99	1.45	1.33
13	dB	812	CLA	O2D-CGD	4.99	1.45	1.33
13	bB	807	CLA	O2D-CGD	4.99	1.45	1.33
13	dA	808	CLA	C3C-C2C	4.99	1.47	1.36
13	dA	841	CLA	O2D-CGD	4.99	1.45	1.33
13	cB	824	CLA	O2D-CGD	4.99	1.45	1.33
13	aB	801	CLA	O2D-CGD	4.98	1.45	1.33
13	cA	809	CLA	O2D-CGD	4.98	1.45	1.33
13	bA	808	CLA	C3C-C2C	4.98	1.47	1.36
13	dA	805	CLA	CHC-C1C	4.98	1.48	1.38
13	aB	808	CLA	O2D-CGD	4.98	1.45	1.33
13	cB	808	CLA	O2D-CGD	4.98	1.45	1.33
13	aB	827	CLA	C3C-C2C	4.98	1.47	1.36
13	aB	832	CLA	O2D-CGD	4.97	1.45	1.33
13	cB	832	CLA	O2D-CGD	4.97	1.45	1.33
13	aA	811	CLA	O2D-CGD	4.97	1.45	1.33
13	cA	811	CLA	O2D-CGD	4.97	1.45	1.33
13	cB	827	CLA	C3C-C2C	4.97	1.47	1.36
13	aB	818	CLA	C1D-ND	4.97	1.44	1.37
13	cB	818	CLA	C1D-ND	4.97	1.44	1.37
13	aB	824	CLA	O2D-CGD	4.97	1.45	1.33
13	aB	818	CLA	O2D-CGD	4.96	1.45	1.33
13	bA	816	CLA	C3C-C2C	4.96	1.47	1.36
13	dA	815	CLA	C3C-C2C	4.96	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	816	CLA	C3C-C2C	4.96	1.47	1.36
13	cB	828	CLA	O2D-CGD	4.95	1.45	1.33
13	cB	822	CLA	C3C-C2C	4.95	1.47	1.36
13	bA	815	CLA	C3C-C2C	4.95	1.47	1.36
13	aB	821	CLA	C1D-ND	4.95	1.44	1.37
13	aB	820	CLA	O2D-CGD	4.95	1.45	1.33
13	cB	821	CLA	C1D-ND	4.95	1.44	1.37
13	aB	831	CLA	O2D-CGD	4.95	1.45	1.33
13	cB	820	CLA	O2D-CGD	4.95	1.45	1.33
13	dB	824	CLA	C1D-ND	4.95	1.44	1.37
13	aB	822	CLA	C3C-C2C	4.94	1.47	1.36
13	cB	831	CLA	O2D-CGD	4.94	1.45	1.33
13	aA	815	CLA	O2D-CGD	4.94	1.45	1.33
13	bB	826	CLA	C3C-C2C	4.94	1.47	1.36
13	cB	818	CLA	O2D-CGD	4.94	1.45	1.33
13	aA	808	CLA	C1D-ND	4.94	1.44	1.37
13	cA	838	CLA	C3C-C2C	4.94	1.47	1.36
13	aA	838	CLA	C3C-C2C	4.94	1.47	1.36
13	bB	809	CLA	C3C-C2C	4.94	1.47	1.36
13	cA	836	CLA	O2D-CGD	4.94	1.45	1.33
13	aB	828	CLA	O2D-CGD	4.94	1.45	1.33
13	cA	815	CLA	O2D-CGD	4.94	1.45	1.33
13	bA	805	CLA	C3C-C2C	4.94	1.47	1.36
13	cB	823	CLA	C3C-C2C	4.94	1.47	1.36
13	dB	821	CLA	O2D-CGD	4.93	1.45	1.33
13	bA	811	CLA	O2D-CGD	4.93	1.45	1.33
13	dA	805	CLA	C3C-C2C	4.93	1.47	1.36
13	cA	808	CLA	C1D-ND	4.93	1.44	1.37
13	dB	809	CLA	C3C-C2C	4.93	1.47	1.36
13	bA	834	CLA	C3C-C2C	4.93	1.47	1.36
13	bB	814	CLA	CHC-C1C	4.93	1.48	1.38
13	dB	814	CLA	CHC-C1C	4.93	1.48	1.38
13	dB	826	CLA	C3C-C2C	4.93	1.47	1.36
13	bA	803	CLA	C3C-C2C	4.93	1.47	1.36
13	aB	812	CLA	O2D-CGD	4.92	1.45	1.33
13	cB	812	CLA	O2D-CGD	4.92	1.45	1.33
13	cB	821	CLA	CHC-C1C	4.92	1.48	1.38
13	aB	823	CLA	C3C-C2C	4.92	1.47	1.36
13	aB	821	CLA	CHC-C1C	4.92	1.48	1.38
13	aA	836	CLA	O2D-CGD	4.92	1.45	1.33
13	bB	807	CLA	C3C-C2C	4.92	1.47	1.36
13	cB	827	CLA	C1D-ND	4.92	1.44	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	834	CLA	C3C-C2C	4.92	1.47	1.36
13	cA	834	CLA	C3C-C2C	4.92	1.47	1.36
13	aA	842	CLA	O2D-CGD	4.92	1.45	1.33
13	cA	842	CLA	O2D-CGD	4.92	1.45	1.33
13	dB	819	CLA	O2D-CGD	4.92	1.45	1.33
13	bA	823	CLA	C3C-C2C	4.92	1.47	1.36
13	aA	814	CLA	C3C-C2C	4.92	1.47	1.36
13	bA	812	CLA	C3C-C2C	4.92	1.47	1.36
13	dA	812	CLA	C3C-C2C	4.92	1.47	1.36
13	aB	807	CLA	C3C-C2C	4.92	1.47	1.36
13	aA	823	CLA	O2D-CGD	4.91	1.45	1.33
13	dA	834	CLA	C3C-C2C	4.91	1.47	1.36
13	aB	827	CLA	C1D-ND	4.91	1.44	1.37
13	bB	821	CLA	O2D-CGD	4.91	1.45	1.33
13	aB	812	CLA	C3C-C2C	4.91	1.47	1.36
13	cB	812	CLA	C3C-C2C	4.91	1.47	1.36
13	dB	807	CLA	C3C-C2C	4.91	1.47	1.36
13	cA	814	CLA	C3C-C2C	4.91	1.47	1.36
13	aB	829	CLA	O2D-CGD	4.91	1.45	1.33
13	dL	203	CLA	O2D-CGD	4.90	1.45	1.33
13	aA	821	CLA	C3C-C2C	4.90	1.47	1.36
13	aB	811	CLA	O2D-CGD	4.90	1.45	1.33
13	dA	811	CLA	O2D-CGD	4.90	1.45	1.33
13	bB	832	CLA	C3C-C2C	4.90	1.47	1.36
13	bB	813	CLA	CHC-C1C	4.90	1.48	1.38
13	aA	805	CLA	O2D-CGD	4.90	1.45	1.33
13	dA	823	CLA	C3C-C2C	4.89	1.47	1.36
13	cB	811	CLA	O2D-CGD	4.89	1.45	1.33
13	cB	807	CLA	C3C-C2C	4.89	1.47	1.36
13	cL	203	CLA	O2D-CGD	4.89	1.45	1.33
13	dB	828	CLA	C3C-C2C	4.89	1.47	1.36
13	dA	818	CLA	O2D-CGD	4.89	1.45	1.33
13	bB	819	CLA	O2D-CGD	4.89	1.45	1.33
13	cA	821	CLA	C3C-C2C	4.89	1.47	1.36
13	cB	829	CLA	O2D-CGD	4.89	1.45	1.33
13	cB	806	CLA	O2D-CGD	4.89	1.45	1.33
13	cB	825	CLA	CHC-C1C	4.89	1.48	1.38
13	dB	832	CLA	C3C-C2C	4.89	1.47	1.36
13	aB	806	CLA	O2D-CGD	4.88	1.45	1.33
13	bL	203	CLA	O2D-CGD	4.88	1.45	1.33
13	dB	813	CLA	CHC-C1C	4.88	1.48	1.38
13	dA	836	CLA	C3C-C2C	4.88	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	803	CLA	C3C-C2C	4.88	1.47	1.36
13	aL	203	CLA	O2D-CGD	4.88	1.45	1.33
13	cA	823	CLA	O2D-CGD	4.88	1.45	1.33
13	bB	824	CLA	C1D-ND	4.88	1.44	1.37
13	aB	816	CLA	C1D-ND	4.88	1.44	1.37
13	bB	828	CLA	C3C-C2C	4.87	1.47	1.36
13	dA	810	CLA	CHC-C1C	4.87	1.48	1.38
13	aA	804	CLA	C1D-ND	4.87	1.44	1.37
13	cA	804	CLA	C1D-ND	4.87	1.44	1.37
13	cA	805	CLA	O2D-CGD	4.87	1.45	1.33
13	cB	814	CLA	O2D-CGD	4.87	1.45	1.33
13	dA	813	CLA	O2D-CGD	4.87	1.45	1.33
13	bA	818	CLA	O2D-CGD	4.86	1.45	1.33
13	cA	804	CLA	O2D-CGD	4.86	1.45	1.33
13	cB	816	CLA	C1D-ND	4.86	1.44	1.37
13	bA	813	CLA	O2D-CGD	4.86	1.45	1.33
13	bA	836	CLA	C3C-C2C	4.86	1.47	1.36
12	aA	801	CL0	OBD-CAD	4.86	1.28	1.22
13	aA	804	CLA	O2D-CGD	4.86	1.45	1.33
13	dA	804	CLA	C3C-C2C	4.86	1.47	1.36
13	aB	807	CLA	C1D-ND	4.86	1.44	1.37
13	aB	814	CLA	O2D-CGD	4.86	1.45	1.33
13	bB	825	CLA	CHC-C1C	4.86	1.48	1.38
13	cA	805	CLA	CHC-C1C	4.86	1.48	1.38
13	cB	827	CLA	O2D-CGD	4.86	1.45	1.33
12	cA	801	CL0	OBD-CAD	4.85	1.28	1.22
13	bA	804	CLA	C1D-ND	4.85	1.44	1.37
13	aB	827	CLA	O2D-CGD	4.85	1.45	1.33
13	aB	825	CLA	CHC-C1C	4.85	1.48	1.38
13	bB	831	CLA	O2D-CGD	4.85	1.45	1.33
13	aA	840	CLA	C3C-C2C	4.85	1.47	1.36
13	bA	810	CLA	CHC-C1C	4.85	1.48	1.38
13	bB	816	CLA	C1D-ND	4.85	1.44	1.37
13	dB	825	CLA	CHC-C1C	4.84	1.48	1.38
13	cA	840	CLA	C3C-C2C	4.84	1.47	1.36
13	cJ	101	CLA	C1D-ND	4.84	1.44	1.37
13	bA	804	CLA	C3C-C2C	4.84	1.47	1.36
13	bA	803	CLA	CHC-C1C	4.83	1.48	1.38
13	aA	832	CLA	O2D-CGD	4.83	1.45	1.33
13	cB	807	CLA	C1D-ND	4.83	1.44	1.37
13	dB	831	CLA	O2D-CGD	4.83	1.45	1.33
13	aA	843	CLA	O2D-CGD	4.83	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	830	CLA	C3C-C2C	4.83	1.47	1.36
13	aJ	101	CLA	C1D-ND	4.83	1.44	1.37
13	aB	826	CLA	CHC-C1C	4.83	1.48	1.38
13	cA	843	CLA	O2D-CGD	4.83	1.45	1.33
13	bA	837	CLA	C3C-C2C	4.83	1.47	1.36
13	aB	818	CLA	CHC-C1C	4.83	1.48	1.38
13	cB	818	CLA	CHC-C1C	4.83	1.48	1.38
13	aA	835	CLA	O2D-CGD	4.83	1.45	1.33
13	aA	805	CLA	CHC-C1C	4.83	1.48	1.38
13	aA	827	CLA	C3C-C2C	4.83	1.47	1.36
13	cA	827	CLA	C3C-C2C	4.83	1.47	1.36
13	bB	827	CLA	O2D-CGD	4.83	1.45	1.33
13	cA	832	CLA	O2D-CGD	4.83	1.45	1.33
13	dB	830	CLA	O2D-CGD	4.82	1.45	1.33
13	aA	817	CLA	CHC-C1C	4.82	1.48	1.38
13	bA	830	CLA	C3C-C2C	4.82	1.47	1.36
13	dA	818	CLA	C3C-C2C	4.82	1.47	1.36
13	dA	803	CLA	CHC-C1C	4.82	1.48	1.38
13	aA	816	CLA	CHC-C1C	4.82	1.48	1.38
13	cB	826	CLA	CHC-C1C	4.82	1.48	1.38
12	aA	801	CL0	O2D-CGD	4.82	1.45	1.33
13	aB	806	CLA	CHC-C1C	4.82	1.48	1.38
13	bB	830	CLA	O2D-CGD	4.82	1.45	1.33
13	cA	835	CLA	O2D-CGD	4.82	1.45	1.33
13	cA	817	CLA	CHC-C1C	4.82	1.48	1.38
13	dB	816	CLA	C1D-ND	4.81	1.44	1.37
13	cA	816	CLA	CHC-C1C	4.81	1.48	1.38
13	dJ	101	CLA	CHC-C1C	4.81	1.48	1.38
13	cB	810	CLA	C1D-ND	4.81	1.44	1.37
13	dA	837	CLA	C3C-C2C	4.81	1.47	1.36
13	aK	204	CLA	O2D-CGD	4.81	1.45	1.33
13	dB	827	CLA	O2D-CGD	4.81	1.45	1.33
13	aB	810	CLA	C1D-ND	4.81	1.44	1.37
12	cA	801	CL0	O2D-CGD	4.81	1.45	1.33
13	cA	823	CLA	C3C-C2C	4.81	1.47	1.36
13	bA	818	CLA	C3C-C2C	4.80	1.47	1.36
13	aB	803	CLA	C3C-C2C	4.80	1.47	1.36
13	cB	803	CLA	C3C-C2C	4.80	1.47	1.36
13	cB	811	CLA	C3C-C2C	4.80	1.47	1.36
13	aA	823	CLA	C3C-C2C	4.80	1.47	1.36
13	cA	829	CLA	CHC-C1C	4.80	1.48	1.38
13	cB	806	CLA	CHC-C1C	4.80	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	831	CLA	C3C-C2C	4.80	1.47	1.36
13	bJ	101	CLA	CHC-C1C	4.80	1.48	1.38
13	cL	204	CLA	C3C-C2C	4.80	1.47	1.36
13	cA	807	CLA	O2D-CGD	4.80	1.45	1.33
13	aA	808	CLA	O2D-CGD	4.80	1.45	1.33
13	cA	808	CLA	O2D-CGD	4.80	1.45	1.33
13	dF	204	CLA	C1D-ND	4.79	1.44	1.37
13	cA	810	CLA	O2D-CGD	4.79	1.45	1.33
13	cK	203	CLA	O2D-CGD	4.79	1.45	1.33
13	aA	810	CLA	O2D-CGD	4.79	1.45	1.33
13	dA	843	CLA	C3C-C2C	4.79	1.47	1.36
13	aA	829	CLA	CHC-C1C	4.79	1.48	1.38
12	bA	801	CL0	O2D-CGD	4.79	1.45	1.33
13	cB	829	CLA	CHC-C1C	4.79	1.48	1.38
13	bA	844	CLA	O2D-CGD	4.79	1.45	1.33
13	cB	806	CLA	C1D-ND	4.79	1.44	1.37
13	aB	829	CLA	CHC-C1C	4.79	1.48	1.38
13	aB	811	CLA	C3C-C2C	4.79	1.47	1.36
13	dA	815	CLA	O2D-CGD	4.79	1.45	1.33
13	aA	807	CLA	O2D-CGD	4.79	1.45	1.33
13	dA	804	CLA	C1D-ND	4.79	1.44	1.37
13	cB	822	CLA	CHC-C1C	4.78	1.48	1.38
13	dA	844	CLA	O2D-CGD	4.78	1.45	1.33
14	cA	844	PQN	C10-C5	4.78	1.48	1.40
13	bA	811	CLA	C3C-C2C	4.78	1.47	1.36
13	dA	821	CLA	C3C-C2C	4.78	1.47	1.36
13	bB	832	CLA	C1D-ND	4.78	1.44	1.37
13	aK	203	CLA	O2D-CGD	4.78	1.45	1.33
13	bA	821	CLA	C3C-C2C	4.78	1.47	1.36
13	cA	813	CLA	C3C-C2C	4.78	1.47	1.36
13	cA	831	CLA	C3C-C2C	4.78	1.47	1.36
13	bB	815	CLA	O2D-CGD	4.78	1.45	1.33
13	aF	204	CLA	C1D-ND	4.78	1.44	1.37
13	cF	204	CLA	C1D-ND	4.78	1.44	1.37
13	bF	204	CLA	C1D-ND	4.78	1.44	1.37
13	dA	811	CLA	C3C-C2C	4.78	1.47	1.36
13	cK	204	CLA	O2D-CGD	4.78	1.45	1.33
13	aB	812	CLA	CHC-C1C	4.77	1.48	1.38
13	bA	815	CLA	O2D-CGD	4.77	1.45	1.33
14	aA	844	PQN	C10-C5	4.77	1.48	1.40
13	aA	813	CLA	C3C-C2C	4.77	1.47	1.36
13	dB	820	CLA	CHC-C1C	4.77	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
12	dA	801	CL0	O2D-CGD	4.77	1.45	1.33
13	dL	202	CLA	O2D-CGD	4.77	1.45	1.33
13	aL	204	CLA	C3C-C2C	4.77	1.47	1.36
13	bA	843	CLA	C3C-C2C	4.77	1.47	1.36
13	bB	831	CLA	C3C-C2C	4.76	1.47	1.36
13	dB	831	CLA	C3C-C2C	4.76	1.47	1.36
13	bF	201	CLA	O2D-CGD	4.76	1.44	1.33
13	aA	811	CLA	C3C-C2C	4.76	1.47	1.36
13	bB	820	CLA	CHC-C1C	4.76	1.48	1.38
13	aB	815	CLA	C1D-ND	4.76	1.44	1.37
13	aA	807	CLA	C3C-C2C	4.76	1.47	1.36
13	aA	819	CLA	O2D-CGD	4.76	1.44	1.33
13	aA	802	CLA	C3C-C2C	4.76	1.47	1.36
13	aB	820	CLA	C1D-ND	4.75	1.44	1.37
13	bA	834	CLA	O2D-CGD	4.75	1.44	1.33
13	dA	824	CLA	O2D-CGD	4.75	1.44	1.33
13	dA	834	CLA	O2D-CGD	4.75	1.44	1.33
13	dB	815	CLA	O2D-CGD	4.75	1.44	1.33
13	bL	202	CLA	O2D-CGD	4.75	1.44	1.33
12	dA	801	CL0	CHC-C4B	4.75	1.47	1.39
13	dF	201	CLA	O2D-CGD	4.75	1.44	1.33
13	dA	818	CLA	O2A-CGA	4.75	1.47	1.33
13	dA	809	CLA	O2D-CGD	4.75	1.44	1.33
13	aA	825	CLA	C3C-C2C	4.75	1.47	1.36
12	bA	801	CL0	CHC-C4B	4.75	1.47	1.39
13	bA	824	CLA	O2D-CGD	4.75	1.44	1.33
13	cB	817	CLA	CHC-C1C	4.75	1.48	1.38
13	aF	201	CLA	C1D-ND	4.75	1.44	1.37
13	cB	812	CLA	CHC-C1C	4.75	1.48	1.38
13	bB	805	CLA	C3C-C2C	4.75	1.47	1.36
13	cL	202	CLA	C1D-ND	4.75	1.44	1.37
13	bA	818	CLA	O2A-CGA	4.75	1.47	1.33
13	cA	807	CLA	C3C-C2C	4.75	1.47	1.36
13	bB	804	CLA	C1B-NB	-4.75	1.31	1.37
13	cB	820	CLA	C1D-ND	4.75	1.44	1.37
13	dA	806	CLA	C1B-NB	-4.75	1.31	1.37
13	bA	803	CLA	O2D-CGD	4.75	1.44	1.33
13	cA	822	CLA	O2D-CGD	4.75	1.44	1.33
13	dA	803	CLA	O2D-CGD	4.75	1.44	1.33
13	dA	828	CLA	C3C-C2C	4.75	1.47	1.36
13	aB	822	CLA	CHC-C1C	4.74	1.48	1.38
13	aA	822	CLA	O2D-CGD	4.74	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	806	CLA	C1B-NB	-4.74	1.31	1.37
13	aB	806	CLA	C1D-ND	4.74	1.44	1.37
13	dB	832	CLA	C1D-ND	4.74	1.44	1.37
13	bB	829	CLA	CHC-C1C	4.74	1.48	1.38
13	cA	830	CLA	O2D-CGD	4.74	1.44	1.33
13	cB	819	CLA	C1D-ND	4.73	1.44	1.37
13	bB	806	CLA	O2D-CGD	4.73	1.44	1.33
13	cA	811	CLA	C3C-C2C	4.73	1.47	1.36
13	cA	802	CLA	C3C-C2C	4.73	1.47	1.36
13	bA	841	CLA	CHC-C1C	4.73	1.48	1.38
13	dB	806	CLA	O2D-CGD	4.73	1.44	1.33
13	dB	829	CLA	CHC-C1C	4.73	1.48	1.38
13	dB	805	CLA	C3C-C2C	4.73	1.47	1.36
13	aA	833	CLA	C3C-C2C	4.73	1.47	1.36
13	cB	815	CLA	C1D-ND	4.73	1.44	1.37
13	cA	819	CLA	O2D-CGD	4.73	1.44	1.33
13	aB	817	CLA	CHC-C1C	4.73	1.48	1.38
13	bB	803	CLA	CHC-C1C	4.73	1.48	1.38
13	cA	825	CLA	C3C-C2C	4.73	1.47	1.36
13	dB	803	CLA	CHC-C1C	4.72	1.47	1.38
13	bA	833	CLA	C3C-C2C	4.72	1.47	1.36
13	dB	826	CLA	O2D-CGD	4.72	1.44	1.33
13	cF	201	CLA	C1D-ND	4.72	1.44	1.37
13	aA	830	CLA	C3C-C2C	4.72	1.47	1.36
13	dA	833	CLA	C3C-C2C	4.72	1.47	1.36
13	aL	204	CLA	O2D-CGD	4.72	1.44	1.33
13	bA	809	CLA	O2D-CGD	4.72	1.44	1.33
13	cL	204	CLA	O2D-CGD	4.72	1.44	1.33
13	aB	801	CLA	C3C-C2C	4.72	1.47	1.36
13	bA	824	CLA	C3C-C2C	4.72	1.47	1.36
13	bB	813	CLA	O2D-CGD	4.72	1.44	1.33
13	dB	806	CLA	CHC-C1C	4.72	1.47	1.38
13	cB	801	CLA	C3C-C2C	4.72	1.46	1.36
13	dB	832	CLA	O2D-CGD	4.72	1.44	1.33
13	cB	822	CLA	C1D-ND	4.72	1.44	1.37
13	cA	833	CLA	C3C-C2C	4.72	1.46	1.36
13	bA	839	CLA	C3C-C2C	4.72	1.46	1.36
13	cA	832	CLA	C3C-C2C	4.72	1.46	1.36
13	dA	819	CLA	C3C-C2C	4.72	1.46	1.36
13	dA	839	CLA	C3C-C2C	4.72	1.46	1.36
13	aA	831	CLA	O2D-CGD	4.71	1.44	1.33
13	bA	835	CLA	C3C-C2C	4.71	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	807	CLA	C1D-ND	4.71	1.44	1.37
13	bA	806	CLA	C3C-C2C	4.71	1.46	1.36
13	bA	828	CLA	C3C-C2C	4.71	1.46	1.36
13	bA	831	CLA	C1B-NB	-4.71	1.31	1.37
13	aA	830	CLA	O2D-CGD	4.71	1.44	1.33
13	bB	810	CLA	C3C-C2C	4.71	1.46	1.36
13	dB	824	CLA	CHC-C1C	4.71	1.47	1.38
13	aB	819	CLA	C1D-ND	4.71	1.44	1.37
13	aA	834	CLA	O2D-CGD	4.71	1.44	1.33
13	cA	834	CLA	O2D-CGD	4.71	1.44	1.33
13	cA	825	CLA	O2D-CGD	4.71	1.44	1.33
13	aB	830	CLA	C1D-ND	4.71	1.44	1.37
13	cA	828	CLA	O2D-CGD	4.71	1.44	1.33
13	aB	822	CLA	C1D-ND	4.71	1.44	1.37
13	aB	828	CLA	C1D-ND	4.71	1.44	1.37
13	aA	832	CLA	C3C-C2C	4.71	1.46	1.36
13	bB	832	CLA	O2D-CGD	4.71	1.44	1.33
13	aA	836	CLA	C3C-C2C	4.71	1.46	1.36
13	dB	804	CLA	C1B-NB	-4.71	1.31	1.37
13	dB	813	CLA	O2D-CGD	4.71	1.44	1.33
13	bB	806	CLA	CHC-C1C	4.70	1.47	1.38
13	bB	811	CLA	O2D-CGD	4.70	1.44	1.33
13	aL	202	CLA	C1D-ND	4.70	1.44	1.37
13	dA	841	CLA	CHC-C1C	4.70	1.47	1.38
13	cB	830	CLA	C1D-ND	4.70	1.44	1.37
13	dB	807	CLA	C1D-ND	4.70	1.44	1.37
13	aA	825	CLA	O2D-CGD	4.70	1.44	1.33
13	cA	803	CLA	C3C-C2C	4.70	1.46	1.36
13	cA	831	CLA	O2D-CGD	4.70	1.44	1.33
13	cA	813	CLA	O2D-CGD	4.70	1.44	1.33
13	bB	826	CLA	O2D-CGD	4.70	1.44	1.33
13	bB	810	CLA	O2D-CGD	4.70	1.44	1.33
13	dA	837	CLA	C1D-ND	4.70	1.44	1.37
13	aA	803	CLA	C3C-C2C	4.70	1.46	1.36
13	cA	830	CLA	C3C-C2C	4.70	1.46	1.36
13	dA	831	CLA	C1B-NB	-4.69	1.31	1.37
13	dB	811	CLA	O2D-CGD	4.69	1.44	1.33
13	bB	823	CLA	O2D-CGD	4.69	1.44	1.33
13	aA	815	CLA	CHC-C1C	4.69	1.47	1.38
13	dA	810	CLA	O2D-CGD	4.69	1.44	1.33
13	cA	819	CLA	C3C-C2C	4.69	1.46	1.36
13	dA	806	CLA	C3C-C2C	4.69	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	819	CLA	C3C-C2C	4.69	1.46	1.36
13	dB	802	CLA	C3C-C2C	4.69	1.46	1.36
13	aA	813	CLA	O2D-CGD	4.69	1.44	1.33
13	aB	804	CLA	O2D-CGD	4.69	1.44	1.33
13	dA	840	CLA	C3C-C2C	4.69	1.46	1.36
13	dB	810	CLA	C3C-C2C	4.69	1.46	1.36
13	dA	842	CLA	O2D-CGD	4.69	1.44	1.33
13	bB	812	CLA	C1D-ND	4.69	1.44	1.37
13	aA	829	CLA	C3C-C2C	4.69	1.46	1.36
13	dB	812	CLA	O2A-CGA	4.68	1.46	1.30
13	cA	815	CLA	CHC-C1C	4.68	1.47	1.38
13	bA	819	CLA	C3C-C2C	4.68	1.46	1.36
13	bA	827	CLA	C1B-NB	-4.68	1.31	1.37
13	aB	834	CLA	O2D-CGD	4.68	1.44	1.33
13	bB	812	CLA	O2A-CGA	4.68	1.46	1.30
13	dB	810	CLA	O2D-CGD	4.68	1.44	1.33
13	bA	810	CLA	O2D-CGD	4.68	1.44	1.33
13	dA	821	CLA	O2D-CGD	4.68	1.44	1.33
13	bB	802	CLA	C3C-C2C	4.68	1.46	1.36
13	dA	831	CLA	C3C-C2C	4.68	1.46	1.36
13	cA	836	CLA	C3C-C2C	4.68	1.46	1.36
13	bA	842	CLA	O2D-CGD	4.68	1.44	1.33
13	cB	806	CLA	C3C-C2C	4.68	1.46	1.36
13	dA	824	CLA	C3C-C2C	4.68	1.46	1.36
13	bA	821	CLA	O2D-CGD	4.68	1.44	1.33
13	cB	804	CLA	O2D-CGD	4.68	1.44	1.33
13	dA	808	CLA	CHC-C1C	4.68	1.47	1.38
13	dA	835	CLA	C3C-C2C	4.68	1.46	1.36
13	bA	840	CLA	C3C-C2C	4.68	1.46	1.36
13	dB	823	CLA	O2D-CGD	4.68	1.44	1.33
13	cA	827	CLA	CHC-C1C	4.67	1.47	1.38
13	cA	821	CLA	O2D-CGD	4.67	1.44	1.33
13	aA	828	CLA	O2D-CGD	4.67	1.44	1.33
13	dB	808	CLA	O2D-CGD	4.67	1.44	1.33
13	aB	808	CLA	C1D-ND	4.67	1.44	1.37
13	bB	808	CLA	O2D-CGD	4.67	1.44	1.33
13	aB	807	CLA	O2D-CGD	4.67	1.44	1.33
13	cB	828	CLA	C1D-ND	4.67	1.44	1.37
14	bA	845	PQN	C10-C5	4.67	1.48	1.40
13	bA	805	CLA	O2D-CGD	4.67	1.44	1.33
13	cB	834	CLA	O2D-CGD	4.67	1.44	1.33
13	aB	815	CLA	CHC-C1C	4.67	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	815	CLA	CHC-C1C	4.67	1.47	1.38
13	bA	830	CLA	O2D-CGD	4.66	1.44	1.33
13	aB	806	CLA	C3C-C2C	4.66	1.46	1.36
14	dA	845	PQN	C10-C5	4.66	1.48	1.40
13	bB	824	CLA	CHC-C1C	4.66	1.47	1.38
13	bA	831	CLA	C3C-C2C	4.66	1.46	1.36
13	dB	812	CLA	C1D-ND	4.66	1.44	1.37
13	bA	822	CLA	C3C-C2C	4.66	1.46	1.36
13	aL	204	CLA	C1D-ND	4.66	1.44	1.37
13	cL	204	CLA	C1D-ND	4.66	1.44	1.37
13	dA	822	CLA	C3C-C2C	4.66	1.46	1.36
13	dA	830	CLA	O2D-CGD	4.66	1.44	1.33
13	bA	808	CLA	CHC-C1C	4.66	1.47	1.38
13	bA	825	CLA	O2D-CGD	4.66	1.44	1.33
13	cF	201	CLA	CHC-C1C	4.66	1.47	1.38
13	cK	203	CLA	CHC-C1C	4.66	1.47	1.38
13	cA	829	CLA	C3C-C2C	4.66	1.46	1.36
13	aF	201	CLA	CHC-C1C	4.65	1.47	1.38
13	dA	827	CLA	C1B-NB	-4.65	1.31	1.37
13	aA	840	CLA	O2D-CGD	4.65	1.44	1.33
13	aB	827	CLA	CHC-C1C	4.65	1.47	1.38
13	dA	805	CLA	O2D-CGD	4.65	1.44	1.33
13	bB	812	CLA	CHC-C1C	4.65	1.47	1.38
13	dA	833	CLA	CHC-C1C	4.65	1.47	1.38
13	aA	821	CLA	O2D-CGD	4.65	1.44	1.33
13	cA	843	CLA	O2A-CGA	4.65	1.46	1.33
13	bB	829	CLA	O2D-CGD	4.64	1.44	1.33
13	dA	825	CLA	O2D-CGD	4.64	1.44	1.33
13	cA	822	CLA	CHC-C1C	4.64	1.47	1.38
13	bA	819	CLA	O2D-CGD	4.64	1.44	1.33
13	bA	828	CLA	CHC-C1C	4.64	1.47	1.38
13	aA	827	CLA	CHC-C1C	4.64	1.47	1.38
13	bL	203	CLA	C3C-C2C	4.64	1.46	1.36
13	cB	807	CLA	O2D-CGD	4.64	1.44	1.33
13	aK	203	CLA	CHC-C1C	4.64	1.47	1.38
13	bA	837	CLA	CHC-C1C	4.64	1.47	1.38
13	aA	843	CLA	O2A-CGA	4.64	1.46	1.33
13	dA	838	CLA	O2A-CGA	4.64	1.46	1.33
13	bA	833	CLA	CHC-C1C	4.64	1.47	1.38
13	cB	827	CLA	CHC-C1C	4.64	1.47	1.38
13	aA	820	CLA	CHD-C1D	4.63	1.47	1.38
13	cA	820	CLA	CHD-C1D	4.63	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	843	CLA	O2D-CGD	4.63	1.44	1.33
13	bA	838	CLA	O2A-CGA	4.63	1.46	1.33
13	dA	819	CLA	O2D-CGD	4.63	1.44	1.33
13	dB	805	CLA	CHC-C1C	4.63	1.47	1.38
13	dA	837	CLA	CHC-C1C	4.63	1.47	1.38
13	dL	203	CLA	C3C-C2C	4.63	1.46	1.36
13	bB	818	CLA	C1D-ND	4.63	1.43	1.37
13	bB	805	CLA	CHC-C1C	4.63	1.47	1.38
13	cB	808	CLA	C1D-ND	4.63	1.43	1.37
13	dA	828	CLA	CHC-C1C	4.63	1.47	1.38
13	dA	817	CLA	CHC-C1C	4.62	1.47	1.38
13	bA	827	CLA	C3C-C2C	4.62	1.46	1.36
13	cA	824	CLA	C3C-C2C	4.62	1.46	1.36
13	dA	843	CLA	O2D-CGD	4.62	1.44	1.33
13	bJ	101	CLA	O2A-CGA	4.62	1.46	1.30
13	bB	819	CLA	C1D-ND	4.62	1.43	1.37
13	aA	806	CLA	O2D-CGD	4.62	1.44	1.33
13	cA	840	CLA	O2D-CGD	4.62	1.44	1.33
13	dB	829	CLA	O2D-CGD	4.62	1.44	1.33
13	aA	824	CLA	C3C-C2C	4.62	1.46	1.36
13	bL	203	CLA	C1B-NB	-4.62	1.31	1.37
13	bA	827	CLA	CHC-C1C	4.62	1.47	1.38
13	cA	837	CLA	O2D-CGD	4.62	1.44	1.33
13	cB	811	CLA	C1D-ND	4.62	1.43	1.37
13	dL	203	CLA	C1B-NB	-4.62	1.31	1.37
13	bA	837	CLA	C1D-ND	4.62	1.43	1.37
13	bA	838	CLA	C4B-NB	-4.62	1.31	1.37
13	aA	803	CLA	CHC-C1C	4.62	1.47	1.38
13	cB	813	CLA	CHC-C1C	4.62	1.47	1.38
13	bA	823	CLA	O2D-CGD	4.61	1.44	1.33
13	cA	806	CLA	O2D-CGD	4.61	1.44	1.33
13	dA	844	CLA	C3C-C2C	4.61	1.46	1.36
13	dJ	101	CLA	C1D-ND	4.61	1.43	1.37
13	aA	837	CLA	O2D-CGD	4.61	1.44	1.33
13	dA	827	CLA	C3C-C2C	4.61	1.46	1.36
13	cB	824	CLA	CHC-C1C	4.61	1.47	1.38
13	dJ	101	CLA	O2A-CGA	4.61	1.46	1.30
13	cA	803	CLA	CHC-C1C	4.61	1.47	1.38
13	aB	831	CLA	C1D-ND	4.61	1.43	1.37
13	bA	841	CLA	C1D-ND	4.61	1.43	1.37
13	aB	804	CLA	C3C-C2C	4.61	1.46	1.36
13	dB	812	CLA	CHC-C1C	4.61	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	802	CLA	O2D-CGD	4.60	1.44	1.33
13	aB	813	CLA	CHC-C1C	4.60	1.47	1.38
13	bA	806	CLA	O2D-CGD	4.60	1.44	1.33
13	aF	204	CLA	CHD-C1D	4.60	1.47	1.38
13	bA	836	CLA	O2D-CGD	4.60	1.44	1.33
13	dA	841	CLA	C1D-ND	4.60	1.43	1.37
13	dA	806	CLA	O2D-CGD	4.60	1.44	1.33
13	aB	811	CLA	C1D-ND	4.60	1.43	1.37
13	bJ	101	CLA	C1D-ND	4.60	1.43	1.37
13	aA	822	CLA	CHC-C1C	4.60	1.47	1.38
13	cA	835	CLA	C1D-ND	4.60	1.43	1.37
13	bB	804	CLA	O2D-CGD	4.60	1.44	1.33
13	cA	823	CLA	CHC-C1C	4.60	1.47	1.38
13	cA	802	CLA	O2D-CGD	4.60	1.44	1.33
13	aB	824	CLA	CHC-C1C	4.60	1.47	1.38
13	dA	804	CLA	O2A-CGA	4.60	1.46	1.30
13	cB	833	CLA	CHC-C1C	4.60	1.47	1.38
13	cA	810	CLA	C1D-ND	4.60	1.43	1.37
13	dA	827	CLA	CHC-C1C	4.60	1.47	1.38
13	dA	823	CLA	O2D-CGD	4.60	1.44	1.33
13	bA	817	CLA	CHC-C1C	4.59	1.47	1.38
13	bA	844	CLA	C3C-C2C	4.59	1.46	1.36
13	cB	804	CLA	C3C-C2C	4.59	1.46	1.36
13	dA	836	CLA	O2D-CGD	4.59	1.44	1.33
13	dB	818	CLA	C1D-ND	4.59	1.43	1.37
13	cB	805	CLA	O2D-CGD	4.59	1.44	1.33
13	dA	805	CLA	O2A-CGA	4.59	1.46	1.30
13	bA	805	CLA	O2A-CGA	4.59	1.46	1.30
13	cA	818	CLA	CHC-C1C	4.59	1.47	1.38
13	bA	809	CLA	C3C-C2C	4.59	1.46	1.36
13	cA	812	CLA	CHC-C1C	4.59	1.47	1.38
13	aB	805	CLA	O2D-CGD	4.59	1.44	1.33
13	aA	810	CLA	C1D-ND	4.59	1.43	1.37
13	dB	804	CLA	O2D-CGD	4.59	1.44	1.33
13	cF	204	CLA	CHD-C1D	4.59	1.47	1.38
13	cB	831	CLA	C1D-ND	4.59	1.43	1.37
13	dB	827	CLA	CHC-C1C	4.59	1.47	1.38
13	aK	203	CLA	O2A-CGA	4.58	1.46	1.30
13	aA	818	CLA	C3C-C2C	4.58	1.46	1.36
13	aB	832	CLA	CHC-C1C	4.58	1.47	1.38
13	cB	813	CLA	O2A-CGA	4.58	1.46	1.30
13	aA	812	CLA	CHC-C1C	4.58	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	804	CLA	O2A-CGA	4.58	1.46	1.30
12	aA	801	CL0	C3B-C2B	4.58	1.46	1.40
13	dA	838	CLA	C4B-NB	-4.58	1.31	1.37
13	aB	813	CLA	O2A-CGA	4.58	1.46	1.30
13	aK	204	CLA	C1D-ND	4.58	1.43	1.37
13	cJ	101	CLA	CHC-C1C	4.58	1.47	1.38
13	aA	835	CLA	C1D-ND	4.57	1.43	1.37
13	aA	842	CLA	CHC-C1C	4.57	1.47	1.38
13	bB	827	CLA	CHC-C1C	4.57	1.47	1.38
13	cA	839	CLA	O2D-CGD	4.57	1.44	1.33
13	cK	203	CLA	O2A-CGA	4.57	1.45	1.30
13	cA	842	CLA	CHC-C1C	4.57	1.47	1.38
13	aA	818	CLA	CHC-C1C	4.57	1.47	1.38
13	bA	830	CLA	C1B-NB	-4.57	1.31	1.37
13	dB	819	CLA	C1D-ND	4.57	1.43	1.37
13	aA	823	CLA	CHC-C1C	4.57	1.47	1.38
13	dB	829	CLA	C1D-ND	4.57	1.43	1.37
13	bB	819	CLA	CHC-C1C	4.57	1.47	1.38
13	dB	819	CLA	CHC-C1C	4.57	1.47	1.38
13	dB	816	CLA	CHD-C1D	4.57	1.47	1.38
13	aB	831	CLA	CHC-C1C	4.57	1.47	1.38
13	cB	831	CLA	CHC-C1C	4.57	1.47	1.38
13	cF	204	CLA	CHC-C1C	4.57	1.47	1.38
13	cA	818	CLA	C3C-C2C	4.56	1.46	1.36
13	aB	832	CLA	C1D-ND	4.56	1.43	1.37
13	aA	826	CLA	C3C-C2C	4.56	1.46	1.36
13	cB	832	CLA	CHC-C1C	4.56	1.47	1.38
13	cK	204	CLA	C1D-ND	4.56	1.43	1.37
13	bB	816	CLA	CHD-C1D	4.56	1.47	1.38
13	aJ	101	CLA	CHC-C1C	4.56	1.47	1.38
13	cA	832	CLA	CHC-C1C	4.56	1.47	1.38
13	dB	814	CLA	C1D-ND	4.55	1.43	1.37
12	cA	801	CL0	C3B-C2B	4.55	1.46	1.40
13	cL	204	CLA	CHC-C1C	4.55	1.47	1.38
12	aA	801	CL0	CHD-C1D	4.55	1.47	1.39
13	bA	829	CLA	C3C-C2C	4.55	1.46	1.36
13	bB	829	CLA	C1D-ND	4.55	1.43	1.37
13	aB	833	CLA	CHC-C1C	4.55	1.47	1.38
13	aB	816	CLA	CHC-C1C	4.55	1.47	1.38
13	dA	809	CLA	C3C-C2C	4.55	1.46	1.36
13	aA	839	CLA	O2D-CGD	4.55	1.44	1.33
13	bL	202	CLA	C3C-C2C	4.55	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	819	CLA	CHC-C1C	4.55	1.47	1.38
13	cB	826	CLA	C1D-ND	4.55	1.43	1.37
13	aF	204	CLA	CHC-C1C	4.55	1.47	1.38
13	aL	202	CLA	CHC-C1C	4.54	1.47	1.38
13	dA	831	CLA	O2D-CGD	4.54	1.44	1.33
13	bA	802	CLA	O2D-CGD	4.54	1.44	1.33
13	dA	802	CLA	O2D-CGD	4.54	1.44	1.33
13	dB	814	CLA	O2D-CGD	4.54	1.44	1.33
13	bA	831	CLA	O2D-CGD	4.54	1.44	1.33
13	cA	830	CLA	CHC-C1C	4.54	1.47	1.38
13	dA	807	CLA	O2D-CGD	4.54	1.44	1.33
13	bA	833	CLA	O2D-CGD	4.54	1.44	1.33
13	bB	814	CLA	C1D-ND	4.54	1.43	1.37
13	aB	829	CLA	O2A-CGA	4.54	1.45	1.30
13	cB	829	CLA	O2A-CGA	4.54	1.45	1.30
13	dA	830	CLA	C1B-NB	-4.54	1.31	1.37
13	bA	813	CLA	C3C-C2C	4.54	1.46	1.36
13	aA	814	CLA	O2A-CGA	4.54	1.45	1.30
13	aB	819	CLA	CHC-C1C	4.54	1.47	1.38
13	aB	833	CLA	C1D-ND	4.54	1.43	1.37
13	cA	819	CLA	CHC-C1C	4.53	1.47	1.38
13	cK	201	CLA	O2A-CGA	4.53	1.45	1.30
13	dL	202	CLA	C3C-C2C	4.53	1.46	1.36
13	aK	201	CLA	O2A-CGA	4.53	1.45	1.30
13	bB	814	CLA	O2D-CGD	4.53	1.44	1.33
13	cA	817	CLA	C1D-ND	4.53	1.43	1.37
13	cA	826	CLA	C3C-C2C	4.53	1.46	1.36
13	aA	830	CLA	CHC-C1C	4.53	1.47	1.38
13	dA	829	CLA	C3C-C2C	4.53	1.46	1.36
13	cA	814	CLA	O2A-CGA	4.53	1.45	1.30
13	dB	824	CLA	O2A-CGA	4.53	1.46	1.33
13	cB	816	CLA	CHD-C1D	4.53	1.47	1.38
13	cA	804	CLA	O2A-CGA	4.53	1.45	1.30
13	aA	824	CLA	O2D-CGD	4.53	1.44	1.33
13	cA	824	CLA	O2D-CGD	4.53	1.44	1.33
13	aA	806	CLA	C3C-C2C	4.53	1.46	1.36
13	bA	810	CLA	O2A-CGA	4.53	1.45	1.30
13	aA	819	CLA	CHC-C1C	4.53	1.47	1.38
13	aK	203	CLA	C1D-ND	4.53	1.43	1.37
13	dB	825	CLA	C1D-ND	4.53	1.43	1.37
13	bA	844	CLA	CHC-C1C	4.53	1.47	1.38
13	dA	811	CLA	C1D-ND	4.53	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	822	CLA	O2A-CGA	4.52	1.46	1.33
12	cA	801	CL0	CHD-C1D	4.52	1.46	1.39
13	dA	835	CLA	O2D-CGD	4.52	1.44	1.33
13	aA	817	CLA	C1D-ND	4.52	1.43	1.37
13	aB	816	CLA	O2A-CGA	4.52	1.45	1.30
13	cL	202	CLA	CHC-C1C	4.52	1.47	1.38
13	bA	807	CLA	O2D-CGD	4.52	1.44	1.33
13	dB	820	CLA	C1D-ND	4.52	1.43	1.37
13	aA	804	CLA	O2A-CGA	4.52	1.45	1.30
13	dA	813	CLA	C3C-C2C	4.52	1.46	1.36
13	dB	829	CLA	O2A-CGA	4.52	1.46	1.33
13	dA	814	CLA	O2A-CGA	4.52	1.45	1.30
13	aB	816	CLA	CHD-C1D	4.52	1.47	1.38
13	dA	833	CLA	O2D-CGD	4.52	1.44	1.33
13	aB	826	CLA	C1D-ND	4.52	1.43	1.37
13	cA	838	CLA	O2D-CGD	4.52	1.44	1.33
13	cB	816	CLA	O2A-CGA	4.52	1.45	1.30
13	bB	829	CLA	O2A-CGA	4.52	1.46	1.33
12	cA	801	CL0	CHC-C4B	4.52	1.46	1.39
13	cA	811	CLA	O2A-CGA	4.52	1.45	1.30
13	cL	203	CLA	CHC-C1C	4.52	1.47	1.38
13	aA	832	CLA	CHC-C1C	4.52	1.47	1.38
13	dB	822	CLA	O2A-CGA	4.51	1.46	1.33
13	aL	204	CLA	CHC-C1C	4.51	1.47	1.38
13	cB	828	CLA	O2A-CGA	4.51	1.45	1.30
13	aF	204	CLA	O2A-CGA	4.51	1.45	1.30
13	cB	832	CLA	C1D-ND	4.51	1.43	1.37
13	aL	203	CLA	CHC-C1C	4.51	1.47	1.38
13	dB	817	CLA	CHC-C1C	4.51	1.47	1.38
13	dF	204	CLA	O2A-CGA	4.51	1.45	1.30
13	bB	817	CLA	CHC-C1C	4.51	1.47	1.38
13	cK	203	CLA	C1D-ND	4.51	1.43	1.37
13	aB	828	CLA	O2A-CGA	4.51	1.45	1.30
13	bA	814	CLA	O2A-CGA	4.51	1.45	1.30
12	aA	801	CL0	CHC-C4B	4.51	1.46	1.39
13	dA	810	CLA	O2A-CGA	4.51	1.45	1.30
13	aB	819	CLA	O2A-CGA	4.51	1.46	1.33
13	bA	835	CLA	O2D-CGD	4.51	1.44	1.33
13	cB	816	CLA	CHC-C1C	4.51	1.47	1.38
13	bF	204	CLA	O2A-CGA	4.50	1.45	1.30
13	dA	844	CLA	CHC-C1C	4.50	1.47	1.38
13	bA	828	CLA	O2D-CGD	4.50	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	831	CLA	C1B-NB	-4.50	1.31	1.37
13	bA	802	CLA	C3C-C2C	4.50	1.46	1.36
13	cA	806	CLA	C3C-C2C	4.50	1.46	1.36
13	cB	833	CLA	C1D-ND	4.50	1.43	1.37
13	aA	838	CLA	O2D-CGD	4.50	1.44	1.33
13	aA	803	CLA	O2A-CGA	4.50	1.45	1.30
13	aA	811	CLA	O2A-CGA	4.50	1.45	1.30
13	bB	824	CLA	O2A-CGA	4.50	1.46	1.33
13	dA	811	CLA	O2A-CGA	4.50	1.45	1.30
13	bA	826	CLA	C3C-C2C	4.50	1.46	1.36
13	aB	804	CLA	CHC-C1C	4.50	1.47	1.38
13	dB	815	CLA	CHC-C1C	4.50	1.47	1.38
13	bA	811	CLA	C1D-ND	4.50	1.43	1.37
13	dA	814	CLA	C3C-C2C	4.50	1.46	1.36
13	aA	831	CLA	C1B-NB	-4.50	1.32	1.37
13	bA	811	CLA	O2A-CGA	4.50	1.45	1.30
13	dB	821	CLA	O2A-CGA	4.50	1.46	1.33
13	cF	204	CLA	O2A-CGA	4.50	1.45	1.30
13	dA	802	CLA	C3C-C2C	4.49	1.46	1.36
13	bA	816	CLA	O2A-CGA	4.49	1.45	1.30
13	dA	816	CLA	O2A-CGA	4.49	1.45	1.30
13	aA	805	CLA	O2A-CGA	4.49	1.45	1.30
13	cA	809	CLA	CHC-C1C	4.49	1.47	1.38
13	bB	825	CLA	O2D-CGD	4.49	1.44	1.33
13	dB	825	CLA	O2D-CGD	4.49	1.44	1.33
13	bA	832	CLA	C3C-C2C	4.49	1.46	1.36
13	dB	811	CLA	C1B-NB	-4.49	1.32	1.37
13	bB	825	CLA	C1D-ND	4.49	1.43	1.37
13	dA	826	CLA	C3C-C2C	4.49	1.46	1.36
13	aA	809	CLA	CHC-C1C	4.49	1.47	1.38
13	bB	820	CLA	C1D-ND	4.49	1.43	1.37
13	dA	832	CLA	C3C-C2C	4.49	1.46	1.36
13	bB	821	CLA	O2A-CGA	4.48	1.46	1.33
13	bB	815	CLA	O2A-CGA	4.48	1.45	1.30
13	bA	825	CLA	C3C-C2C	4.48	1.46	1.36
13	aA	837	CLA	O2A-CGA	4.48	1.45	1.30
13	bA	812	CLA	C1D-ND	4.48	1.43	1.37
13	cA	805	CLA	O2A-CGA	4.48	1.45	1.30
13	dB	818	CLA	CHC-C1C	4.48	1.47	1.38
13	dA	803	CLA	C1B-NB	-4.48	1.32	1.37
13	dA	828	CLA	O2D-CGD	4.48	1.44	1.33
13	aA	826	CLA	O2D-CGD	4.48	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	818	CLA	CHC-C1C	4.48	1.47	1.38
13	cJ	101	CLA	CHD-C1D	4.48	1.47	1.38
13	cB	819	CLA	O2A-CGA	4.48	1.46	1.33
13	bB	827	CLA	O2A-CGA	4.48	1.45	1.30
13	bA	814	CLA	C3C-C2C	4.48	1.46	1.36
13	aA	810	CLA	O2A-CGA	4.48	1.45	1.30
13	dB	815	CLA	O2A-CGA	4.48	1.45	1.30
13	bB	815	CLA	CHC-C1C	4.48	1.47	1.38
13	dB	827	CLA	O2A-CGA	4.47	1.45	1.30
13	cA	820	CLA	C1D-ND	4.47	1.43	1.37
13	cB	804	CLA	CHC-C1C	4.47	1.47	1.38
13	cA	810	CLA	O2A-CGA	4.47	1.45	1.30
13	cB	817	CLA	O2A-CGA	4.47	1.46	1.33
13	cA	837	CLA	O2A-CGA	4.47	1.45	1.30
13	cA	803	CLA	O2A-CGA	4.47	1.45	1.30
13	bA	820	CLA	O2D-CGD	4.47	1.44	1.33
13	cB	828	CLA	CHD-C1D	4.47	1.47	1.38
13	bB	811	CLA	C1B-NB	-4.47	1.32	1.37
13	cA	815	CLA	C1D-ND	4.47	1.43	1.37
13	aA	837	CLA	CHC-C1C	4.47	1.47	1.38
13	bA	834	CLA	C1B-NB	-4.47	1.32	1.37
13	dA	820	CLA	O2D-CGD	4.46	1.44	1.33
13	aB	828	CLA	CHD-C1D	4.46	1.47	1.38
13	aJ	101	CLA	CHD-C1D	4.46	1.47	1.38
13	bA	844	CLA	O2A-CGA	4.46	1.46	1.33
13	dF	201	CLA	C1D-ND	4.46	1.43	1.37
13	aB	805	CLA	C3C-C2C	4.46	1.46	1.36
13	cB	805	CLA	C3C-C2C	4.46	1.46	1.36
13	dA	839	CLA	O2A-CGA	4.46	1.46	1.33
12	bA	801	CL0	OBD-CAD	4.46	1.28	1.22
13	aB	817	CLA	O2A-CGA	4.46	1.46	1.33
13	aB	809	CLA	CHC-C1C	4.46	1.47	1.38
13	dA	812	CLA	C1D-ND	4.46	1.43	1.37
13	bA	839	CLA	O2A-CGA	4.46	1.46	1.33
13	cJ	101	CLA	O2A-CGA	4.46	1.45	1.30
13	cA	833	CLA	CHC-C1C	4.46	1.47	1.38
12	dA	801	CL0	OBD-CAD	4.46	1.28	1.22
13	aB	815	CLA	O2A-CGA	4.46	1.46	1.33
13	aA	816	CLA	C1D-ND	4.46	1.43	1.37
13	dA	825	CLA	C3C-C2C	4.46	1.46	1.36
13	dA	844	CLA	O2A-CGA	4.46	1.46	1.33
12	aA	801	CL0	CHD-C4C	4.46	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	816	CLA	O2A-CGA	4.46	1.46	1.33
13	cA	806	CLA	CHC-C1C	4.46	1.47	1.38
13	aA	814	CLA	O2D-CGD	4.46	1.44	1.33
13	cB	815	CLA	O2A-CGA	4.46	1.46	1.33
13	cA	837	CLA	CHC-C1C	4.45	1.47	1.38
13	bA	836	CLA	C1B-NB	-4.45	1.32	1.37
13	aJ	101	CLA	O2A-CGA	4.45	1.45	1.30
13	cA	816	CLA	C1D-ND	4.45	1.43	1.37
13	aA	833	CLA	CHC-C1C	4.45	1.47	1.38
13	dB	827	CLA	CHD-C1D	4.45	1.47	1.38
13	cA	826	CLA	O2D-CGD	4.45	1.44	1.33
13	bB	805	CLA	C1D-ND	4.45	1.43	1.37
13	cB	812	CLA	O2A-CGA	4.45	1.46	1.33
13	aA	815	CLA	C1D-ND	4.45	1.43	1.37
12	cA	801	CL0	CHD-C4C	4.45	1.47	1.39
13	aA	809	CLA	C1D-ND	4.44	1.43	1.37
13	dA	832	CLA	C4B-NB	-4.44	1.32	1.37
13	aA	820	CLA	C1D-ND	4.44	1.43	1.37
13	dA	842	CLA	C1D-ND	4.44	1.43	1.37
13	bA	803	CLA	C1B-NB	-4.44	1.32	1.37
13	dA	834	CLA	C1B-NB	-4.44	1.32	1.37
13	dA	813	CLA	CHC-C1C	4.44	1.47	1.38
13	cF	201	CLA	CHD-C1D	4.44	1.47	1.38
13	bA	832	CLA	C4B-NB	-4.44	1.32	1.37
13	cB	809	CLA	CHC-C1C	4.44	1.47	1.38
13	aF	201	CLA	CHD-C1D	4.44	1.47	1.38
13	bA	837	CLA	O2A-CGA	4.44	1.45	1.30
13	aB	805	CLA	CHC-C1C	4.44	1.47	1.38
13	bB	816	CLA	O2A-CGA	4.44	1.46	1.33
13	dB	828	CLA	CHC-C1C	4.43	1.47	1.38
13	bA	842	CLA	C1D-ND	4.43	1.43	1.37
13	cB	813	CLA	CHD-C1D	4.43	1.47	1.38
13	aB	823	CLA	C1D-ND	4.43	1.43	1.37
13	bB	810	CLA	C1D-ND	4.43	1.43	1.37
13	aB	813	CLA	CHD-C1D	4.43	1.47	1.38
13	aA	806	CLA	CHC-C1C	4.43	1.47	1.38
13	cA	814	CLA	O2D-CGD	4.43	1.44	1.33
14	cB	835	PQN	C10-C5	4.43	1.47	1.40
13	aA	815	CLA	O2A-CGA	4.43	1.45	1.30
13	cA	815	CLA	O2A-CGA	4.43	1.45	1.30
13	dA	803	CLA	O2A-CGA	4.43	1.45	1.30
13	bB	821	CLA	CHC-C1C	4.43	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	828	CLA	CHC-C1C	4.43	1.47	1.38
13	cA	827	CLA	O2D-CGD	4.43	1.44	1.33
13	bB	827	CLA	CHD-C1D	4.43	1.47	1.38
13	bF	201	CLA	C1D-ND	4.43	1.43	1.37
13	bB	828	CLA	CHC-C1C	4.42	1.47	1.38
13	bA	822	CLA	O2D-CGD	4.42	1.44	1.33
13	aB	812	CLA	O2A-CGA	4.42	1.46	1.33
13	dA	832	CLA	C1B-NB	-4.42	1.32	1.37
13	dA	837	CLA	O2A-CGA	4.42	1.45	1.30
13	aA	827	CLA	O2D-CGD	4.42	1.44	1.33
13	aA	842	CLA	C1D-ND	4.42	1.43	1.37
13	cB	823	CLA	C1D-ND	4.42	1.43	1.37
13	cA	831	CLA	CHC-C1C	4.42	1.47	1.38
13	dB	805	CLA	C1D-ND	4.42	1.43	1.37
13	dA	812	CLA	CHD-C1D	4.42	1.47	1.38
13	dA	817	CLA	C1D-ND	4.42	1.43	1.37
13	aK	201	CLA	CHD-C1D	4.42	1.47	1.38
13	cA	836	CLA	O2A-CGA	4.41	1.46	1.33
13	bA	813	CLA	CHC-C1C	4.41	1.47	1.38
14	aB	835	PQN	C10-C5	4.41	1.47	1.40
13	aA	812	CLA	O2A-CGA	4.41	1.46	1.33
13	dA	836	CLA	C1B-NB	-4.41	1.32	1.37
13	aA	826	CLA	CHC-C1C	4.41	1.47	1.38
13	bA	832	CLA	O2D-CGD	4.41	1.44	1.33
13	bA	803	CLA	O2A-CGA	4.41	1.45	1.30
13	aB	815	CLA	CHD-C1D	4.41	1.47	1.38
13	dA	821	CLA	C1B-NB	-4.41	1.32	1.37
13	bA	812	CLA	CHD-C1D	4.41	1.47	1.38
13	aB	825	CLA	O2A-CGA	4.41	1.46	1.33
13	cB	825	CLA	O2A-CGA	4.41	1.46	1.33
13	cA	816	CLA	O2A-CGA	4.41	1.45	1.30
13	bB	803	CLA	O2D-CGD	4.41	1.44	1.33
13	dA	814	CLA	O2D-CGD	4.41	1.44	1.33
13	aA	836	CLA	O2A-CGA	4.40	1.46	1.33
13	cA	812	CLA	O2A-CGA	4.40	1.46	1.33
13	bA	817	CLA	C1D-ND	4.40	1.43	1.37
13	aA	816	CLA	O2A-CGA	4.40	1.45	1.30
13	cA	842	CLA	C1D-ND	4.40	1.43	1.37
13	cB	805	CLA	CHC-C1C	4.40	1.47	1.38
13	cB	821	CLA	O2A-CGA	4.40	1.46	1.33
13	cA	809	CLA	C1D-ND	4.40	1.43	1.37
13	aB	821	CLA	O2A-CGA	4.40	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	803	CLA	O2D-CGD	4.40	1.44	1.33
13	cB	824	CLA	C1D-ND	4.40	1.43	1.37
13	aB	808	CLA	CHC-C1C	4.40	1.47	1.38
13	cA	828	CLA	CHC-C1C	4.40	1.47	1.38
13	bA	814	CLA	O2D-CGD	4.40	1.44	1.33
13	dA	822	CLA	O2D-CGD	4.40	1.44	1.33
13	dB	803	CLA	C3C-C2C	4.40	1.46	1.36
13	dA	832	CLA	O2D-CGD	4.40	1.44	1.33
13	aB	824	CLA	C1D-ND	4.40	1.43	1.37
13	aA	831	CLA	CHC-C1C	4.40	1.47	1.38
13	cB	823	CLA	O2A-CGA	4.40	1.46	1.33
13	cB	818	CLA	CHD-C1D	4.40	1.47	1.38
13	cK	201	CLA	CHD-C1D	4.40	1.47	1.38
13	aB	823	CLA	O2A-CGA	4.40	1.46	1.33
13	bB	826	CLA	C1D-ND	4.39	1.43	1.37
13	aA	804	CLA	CHC-C1C	4.39	1.47	1.38
13	aA	814	CLA	CHC-C1C	4.39	1.47	1.38
13	bA	815	CLA	O2A-CGA	4.39	1.45	1.30
13	dA	807	CLA	CHC-C1C	4.39	1.47	1.38
13	aA	820	CLA	C1B-NB	-4.39	1.32	1.37
13	bA	821	CLA	C1B-NB	-4.39	1.32	1.37
13	cA	834	CLA	C1D-ND	4.39	1.43	1.37
13	bB	814	CLA	CHD-C1D	4.39	1.47	1.38
13	bA	836	CLA	O2A-CGA	4.39	1.46	1.33
13	aA	808	CLA	CHC-C1C	4.39	1.47	1.38
13	cA	804	CLA	CHC-C1C	4.39	1.47	1.38
13	dA	815	CLA	O2A-CGA	4.39	1.45	1.30
13	cA	826	CLA	CHC-C1C	4.39	1.47	1.38
13	cA	833	CLA	C1D-ND	4.39	1.43	1.37
13	bB	803	CLA	C3C-C2C	4.39	1.46	1.36
13	bA	826	CLA	O2D-CGD	4.39	1.44	1.33
13	dB	826	CLA	C1D-ND	4.39	1.43	1.37
13	cA	824	CLA	O2A-CGA	4.39	1.46	1.33
13	aB	818	CLA	CHD-C1D	4.38	1.47	1.38
13	dB	830	CLA	O2A-CGA	4.38	1.46	1.33
13	cA	808	CLA	CHC-C1C	4.38	1.47	1.38
13	aB	807	CLA	CHD-C1D	4.38	1.47	1.38
13	cB	807	CLA	CHD-C1D	4.38	1.47	1.38
13	cA	841	CLA	CHC-C1C	4.38	1.47	1.38
13	dB	821	CLA	CHC-C1C	4.38	1.47	1.38
13	bA	832	CLA	C1B-NB	-4.38	1.32	1.37
13	cA	820	CLA	C1B-NB	-4.38	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	810	CLA	C1D-ND	4.38	1.43	1.37
13	aA	805	CLA	C1D-ND	4.38	1.43	1.37
13	dB	814	CLA	CHD-C1D	4.38	1.47	1.38
13	cA	814	CLA	CHC-C1C	4.38	1.47	1.38
13	cA	817	CLA	CHD-C1D	4.38	1.47	1.38
13	cB	815	CLA	CHD-C1D	4.38	1.47	1.38
13	aA	820	CLA	CHC-C1C	4.38	1.47	1.38
13	cB	808	CLA	CHC-C1C	4.37	1.47	1.38
13	bA	807	CLA	CHC-C1C	4.37	1.47	1.38
13	aA	833	CLA	C1D-ND	4.37	1.43	1.37
13	cA	820	CLA	CHC-C1C	4.37	1.47	1.38
13	bA	820	CLA	C3C-C2C	4.37	1.46	1.36
13	bB	830	CLA	O2A-CGA	4.37	1.46	1.33
13	dA	826	CLA	O2D-CGD	4.37	1.44	1.33
13	dA	820	CLA	C3C-C2C	4.37	1.46	1.36
13	aA	824	CLA	O2A-CGA	4.37	1.46	1.33
13	dA	836	CLA	O2A-CGA	4.37	1.46	1.33
13	aA	841	CLA	CHC-C1C	4.37	1.47	1.38
13	dA	840	CLA	O2D-CGD	4.37	1.44	1.33
13	bA	840	CLA	O2D-CGD	4.37	1.44	1.33
13	bA	822	CLA	O2A-CGA	4.37	1.46	1.33
13	dB	823	CLA	C1B-NB	-4.37	1.32	1.37
13	cA	842	CLA	O2A-CGA	4.37	1.46	1.33
13	aA	827	CLA	C1B-NB	-4.36	1.32	1.37
13	cA	832	CLA	O2A-CGA	4.36	1.46	1.33
13	aA	817	CLA	CHD-C1D	4.36	1.46	1.38
13	dA	821	CLA	C1D-ND	4.36	1.43	1.37
13	aB	822	CLA	O2A-CGA	4.36	1.46	1.33
13	cB	822	CLA	O2A-CGA	4.36	1.46	1.33
13	bB	832	CLA	C1B-NB	-4.36	1.32	1.37
13	cA	805	CLA	C1D-ND	4.36	1.43	1.37
13	dB	831	CLA	CHC-C1C	4.36	1.47	1.38
13	bB	823	CLA	C1B-NB	-4.36	1.32	1.37
13	bB	820	CLA	O2A-CGA	4.36	1.46	1.33
13	dA	826	CLA	O2A-CGA	4.36	1.46	1.33
13	bA	826	CLA	O2A-CGA	4.36	1.46	1.33
13	aA	842	CLA	O2A-CGA	4.36	1.46	1.33
13	cA	827	CLA	C1B-NB	-4.36	1.32	1.37
13	dA	838	CLA	C1B-NB	-4.36	1.32	1.37
13	aA	832	CLA	O2A-CGA	4.36	1.46	1.33
13	aA	817	CLA	O2A-CGA	4.35	1.46	1.33
13	aA	834	CLA	C1D-ND	4.35	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	809	CLA	O2A-CGA	4.35	1.46	1.33
13	bA	821	CLA	C1D-ND	4.35	1.43	1.37
13	cB	825	CLA	C1D-ND	4.35	1.43	1.37
13	dB	809	CLA	O2A-CGA	4.35	1.46	1.33
13	cA	819	CLA	O2A-CGA	4.35	1.46	1.33
13	bB	830	CLA	C1D-ND	4.35	1.43	1.37
13	dB	826	CLA	CHC-C1C	4.35	1.47	1.38
13	dB	820	CLA	O2A-CGA	4.35	1.46	1.33
13	aA	808	CLA	CHD-C1D	4.35	1.46	1.38
13	dA	822	CLA	O2A-CGA	4.35	1.46	1.33
13	bA	838	CLA	C1B-NB	-4.35	1.32	1.37
13	bB	831	CLA	CHC-C1C	4.35	1.47	1.38
13	aA	819	CLA	O2A-CGA	4.35	1.46	1.33
13	dL	203	CLA	CHC-C1C	4.35	1.47	1.38
13	bB	817	CLA	C1D-ND	4.34	1.43	1.37
13	dB	832	CLA	C1B-NB	-4.34	1.32	1.37
13	bB	814	CLA	O2A-CGA	4.34	1.46	1.33
13	cA	817	CLA	O2A-CGA	4.34	1.46	1.33
13	cB	811	CLA	CHD-C1D	4.34	1.46	1.38
13	bB	826	CLA	CHC-C1C	4.34	1.47	1.38
13	bL	203	CLA	CHC-C1C	4.34	1.47	1.38
13	aA	810	CLA	CHC-C1C	4.34	1.47	1.38
13	cA	808	CLA	CHD-C1D	4.34	1.46	1.38
13	aB	811	CLA	CHD-C1D	4.34	1.46	1.38
13	aA	843	CLA	C1D-ND	4.34	1.43	1.37
13	bA	829	CLA	CHC-C1C	4.34	1.47	1.38
13	aA	843	CLA	CHC-C1C	4.34	1.47	1.38
13	cA	843	CLA	CHC-C1C	4.34	1.47	1.38
13	aA	828	CLA	C1B-NB	-4.33	1.32	1.37
13	bB	823	CLA	O2A-CGA	4.33	1.46	1.33
13	bA	820	CLA	O2A-CGA	4.33	1.46	1.33
13	cA	818	CLA	O2A-CGA	4.33	1.46	1.33
13	dB	830	CLA	C1D-ND	4.33	1.43	1.37
13	aB	834	CLA	C1D-ND	4.33	1.43	1.37
13	cB	834	CLA	C1D-ND	4.33	1.43	1.37
13	cA	810	CLA	CHC-C1C	4.33	1.47	1.38
13	bB	807	CLA	CHC-C1C	4.32	1.47	1.38
13	aB	825	CLA	C1D-ND	4.32	1.43	1.37
13	aA	806	CLA	C1D-ND	4.32	1.43	1.37
13	cA	837	CLA	C1B-NB	-4.32	1.32	1.37
13	dB	814	CLA	O2A-CGA	4.32	1.45	1.33
13	bF	204	CLA	CHD-C1D	4.32	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	827	CLA	O2A-CGA	4.32	1.45	1.33
13	bB	816	CLA	CHC-C1C	4.32	1.47	1.38
13	aA	802	CLA	CHD-C1D	4.32	1.46	1.38
13	dF	204	CLA	CHD-C1D	4.32	1.46	1.38
13	aA	818	CLA	O2A-CGA	4.32	1.45	1.33
13	aB	803	CLA	O2A-CGA	4.32	1.45	1.33
13	aB	828	CLA	CHC-C1C	4.32	1.47	1.38
13	cB	834	CLA	O2A-CGA	4.31	1.45	1.33
13	aB	834	CLA	CHD-C1D	4.31	1.46	1.38
13	dA	809	CLA	C1B-NB	-4.31	1.32	1.37
13	cB	828	CLA	CHC-C1C	4.31	1.47	1.38
13	cB	803	CLA	O2A-CGA	4.31	1.45	1.33
13	cB	827	CLA	O2A-CGA	4.31	1.45	1.33
13	cA	843	CLA	C1D-ND	4.31	1.43	1.37
13	aB	804	CLA	O2A-CGA	4.31	1.45	1.33
13	bA	823	CLA	CHC-C1C	4.31	1.47	1.38
13	dB	823	CLA	O2A-CGA	4.31	1.45	1.33
13	aA	807	CLA	C1D-ND	4.31	1.43	1.37
13	cA	811	CLA	C1D-ND	4.31	1.43	1.37
13	cA	813	CLA	O2A-CGA	4.31	1.45	1.33
13	bA	816	CLA	C1D-ND	4.31	1.43	1.37
13	dA	816	CLA	C1D-ND	4.31	1.43	1.37
13	dA	829	CLA	CHC-C1C	4.31	1.47	1.38
13	cB	834	CLA	CHD-C1D	4.31	1.46	1.38
13	dA	840	CLA	C1B-NB	-4.31	1.32	1.37
13	cA	802	CLA	CHD-C1D	4.31	1.46	1.38
13	dF	201	CLA	CHC-C1C	4.31	1.47	1.38
13	dA	823	CLA	CHC-C1C	4.31	1.47	1.38
13	bA	840	CLA	C1B-NB	-4.31	1.32	1.37
13	cA	840	CLA	C1D-ND	4.30	1.43	1.37
13	aA	813	CLA	O2A-CGA	4.30	1.45	1.33
13	cB	804	CLA	O2A-CGA	4.30	1.45	1.33
14	dB	833	PQN	C10-C5	4.30	1.47	1.40
13	aB	834	CLA	O2A-CGA	4.30	1.45	1.33
13	bB	817	CLA	O2A-CGA	4.30	1.45	1.33
13	dA	820	CLA	O2A-CGA	4.30	1.45	1.33
13	aB	803	CLA	C1D-ND	4.30	1.43	1.37
13	cB	803	CLA	C1D-ND	4.30	1.43	1.37
13	cA	825	CLA	C1D-ND	4.30	1.43	1.37
13	aB	817	CLA	CHD-C1D	4.30	1.46	1.38
13	bB	819	CLA	CHD-C1D	4.30	1.46	1.38
13	cB	817	CLA	CHD-C1D	4.30	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	807	CLA	CHC-C1C	4.30	1.47	1.38
13	cA	813	CLA	CHC-C1C	4.30	1.47	1.38
13	aA	837	CLA	C1B-NB	-4.30	1.32	1.37
13	cA	823	CLA	O2A-CGA	4.30	1.45	1.33
13	cB	832	CLA	O2A-CGA	4.30	1.45	1.33
13	aA	825	CLA	C1D-ND	4.30	1.43	1.37
13	aB	829	CLA	CHD-C1D	4.30	1.46	1.38
13	aA	813	CLA	CHC-C1C	4.30	1.47	1.38
13	aA	811	CLA	C1D-ND	4.30	1.43	1.37
13	cA	806	CLA	C1D-ND	4.30	1.43	1.37
13	dB	817	CLA	C1D-ND	4.30	1.43	1.37
13	aA	806	CLA	O2A-CGA	4.30	1.45	1.33
13	aB	832	CLA	O2A-CGA	4.29	1.45	1.33
13	bB	822	CLA	CHC-C1C	4.29	1.47	1.38
13	cA	826	CLA	O2A-CGA	4.29	1.45	1.33
13	dB	831	CLA	O2A-CGA	4.29	1.45	1.33
13	dB	816	CLA	CHC-C1C	4.29	1.47	1.38
13	bA	833	CLA	O2A-CGA	4.29	1.45	1.33
13	cA	828	CLA	C1B-NB	-4.29	1.32	1.37
13	bA	809	CLA	O2A-CGA	4.29	1.45	1.33
13	bB	831	CLA	O2A-CGA	4.29	1.45	1.33
13	dB	819	CLA	CHD-C1D	4.29	1.46	1.38
13	aB	820	CLA	CHD-C4C	4.29	1.49	1.39
13	cA	806	CLA	O2A-CGA	4.29	1.45	1.33
13	bF	201	CLA	CHC-C1C	4.29	1.47	1.38
13	dA	842	CLA	CHC-C1C	4.29	1.47	1.38
13	aA	840	CLA	C1D-ND	4.29	1.43	1.37
13	dA	833	CLA	C1B-NB	-4.29	1.32	1.37
13	dA	814	CLA	C1D-ND	4.29	1.43	1.37
13	dB	810	CLA	CHC-C1C	4.29	1.47	1.38
13	cB	806	CLA	O2A-CGA	4.29	1.45	1.33
13	cA	834	CLA	CHC-C1C	4.29	1.47	1.38
13	dB	817	CLA	O2A-CGA	4.29	1.45	1.33
13	dA	825	CLA	CHC-C1C	4.29	1.47	1.38
13	dB	822	CLA	C1D-ND	4.28	1.43	1.37
13	aB	806	CLA	O2A-CGA	4.28	1.45	1.33
13	aB	810	CLA	CHD-C1D	4.28	1.46	1.38
13	dA	833	CLA	O2A-CGA	4.28	1.45	1.33
13	cB	820	CLA	CHD-C4C	4.28	1.48	1.39
13	cB	812	CLA	C1D-ND	4.28	1.43	1.37
13	bF	204	CLA	CHC-C1C	4.28	1.47	1.38
13	cA	811	CLA	CHC-C1C	4.28	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	829	CLA	C1B-NB	-4.28	1.32	1.37
13	dA	829	CLA	C1B-NB	-4.28	1.32	1.37
13	aA	826	CLA	O2A-CGA	4.28	1.45	1.33
13	bA	809	CLA	C1B-NB	-4.28	1.32	1.37
13	aA	823	CLA	O2A-CGA	4.28	1.45	1.33
13	bA	831	CLA	O2A-CGA	4.27	1.45	1.33
13	cA	807	CLA	C1D-ND	4.27	1.43	1.37
13	cB	809	CLA	C1D-ND	4.27	1.43	1.37
13	dB	806	CLA	C1D-ND	4.27	1.43	1.37
13	aB	831	CLA	O2A-CGA	4.27	1.45	1.33
13	cB	824	CLA	CHD-C1D	4.27	1.46	1.38
13	dA	809	CLA	O2A-CGA	4.27	1.45	1.33
13	aB	809	CLA	C1D-ND	4.27	1.43	1.37
13	bB	806	CLA	C1D-ND	4.27	1.43	1.37
13	cA	839	CLA	C1B-NB	-4.27	1.32	1.37
13	cB	810	CLA	CHD-C1D	4.27	1.46	1.38
14	bB	833	PQN	C10-C5	4.27	1.47	1.40
13	dB	822	CLA	CHC-C1C	4.27	1.47	1.38
13	dF	204	CLA	CHC-C1C	4.27	1.47	1.38
13	bB	810	CLA	CHC-C1C	4.27	1.47	1.38
13	dA	814	CLA	CHC-C1C	4.27	1.47	1.38
13	dA	815	CLA	CHC-C1C	4.27	1.47	1.38
13	aA	835	CLA	O2A-CGA	4.27	1.45	1.33
13	cA	835	CLA	O2A-CGA	4.27	1.45	1.33
13	dB	832	CLA	O2A-CGA	4.27	1.45	1.33
13	cA	815	CLA	CHD-C1D	4.27	1.46	1.38
13	aB	812	CLA	C1D-ND	4.27	1.43	1.37
13	bB	822	CLA	C1D-ND	4.27	1.43	1.37
13	cA	807	CLA	O2A-CGA	4.27	1.45	1.33
13	aA	807	CLA	C1B-NB	-4.26	1.32	1.37
13	aB	809	CLA	O2A-CGA	4.26	1.45	1.33
13	aA	811	CLA	CHC-C1C	4.26	1.47	1.38
13	cA	807	CLA	C1B-NB	-4.26	1.32	1.37
13	aB	810	CLA	O2A-CGA	4.26	1.45	1.33
13	aA	834	CLA	CHC-C1C	4.26	1.47	1.38
13	bA	815	CLA	CHC-C1C	4.26	1.47	1.38
13	aA	815	CLA	CHD-C4C	4.26	1.48	1.39
13	bA	831	CLA	CHC-C1C	4.26	1.47	1.38
13	cB	831	CLA	O2A-CGA	4.26	1.45	1.33
13	aA	815	CLA	CHD-C1D	4.26	1.46	1.38
13	bJ	101	CLA	CHD-C1D	4.26	1.46	1.38
13	cB	829	CLA	CHD-C1D	4.26	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	830	CLA	CHC-C1C	4.26	1.47	1.38
13	bA	841	CLA	O2A-CGA	4.26	1.45	1.33
13	cB	809	CLA	O2A-CGA	4.25	1.45	1.33
13	cB	810	CLA	O2A-CGA	4.25	1.45	1.33
13	bA	824	CLA	O2A-CGA	4.25	1.45	1.33
13	bA	814	CLA	CHC-C1C	4.25	1.47	1.38
13	bB	813	CLA	O2A-CGA	4.25	1.45	1.33
13	dA	841	CLA	O2A-CGA	4.25	1.45	1.33
13	aB	824	CLA	CHD-C1D	4.25	1.46	1.38
13	dA	824	CLA	O2A-CGA	4.25	1.45	1.33
13	dA	831	CLA	O2A-CGA	4.25	1.45	1.33
13	cB	823	CLA	CHC-C1C	4.25	1.47	1.38
13	aA	807	CLA	O2A-CGA	4.25	1.45	1.33
13	dB	808	CLA	C1D-ND	4.25	1.43	1.37
13	aA	819	CLA	C1B-NB	-4.25	1.32	1.37
13	aA	839	CLA	C1B-NB	-4.25	1.32	1.37
13	cA	819	CLA	C1B-NB	-4.25	1.32	1.37
13	cA	836	CLA	CHC-C1C	4.25	1.47	1.38
13	aA	839	CLA	CHC-C1C	4.25	1.47	1.38
13	cA	825	CLA	O2A-CGA	4.25	1.45	1.33
13	cB	807	CLA	O2A-CGA	4.25	1.45	1.33
13	dL	203	CLA	O2A-CGA	4.25	1.45	1.33
13	bA	840	CLA	O2A-CGA	4.25	1.45	1.33
13	aA	841	CLA	CHD-C1D	4.25	1.46	1.38
13	bB	832	CLA	O2A-CGA	4.24	1.45	1.33
13	bB	830	CLA	CHC-C1C	4.24	1.47	1.38
13	bA	842	CLA	CHC-C1C	4.24	1.47	1.38
13	cA	815	CLA	CHD-C4C	4.24	1.48	1.39
13	aB	806	CLA	CHD-C1D	4.24	1.46	1.38
13	aA	836	CLA	CHC-C1C	4.24	1.47	1.38
13	bA	819	CLA	CHC-C1C	4.24	1.47	1.38
13	aA	825	CLA	O2A-CGA	4.24	1.45	1.33
13	aA	822	CLA	C1B-NB	-4.24	1.32	1.37
13	bA	825	CLA	CHC-C1C	4.24	1.47	1.38
13	cB	806	CLA	CHD-C1D	4.24	1.46	1.38
13	dA	831	CLA	CHC-C1C	4.24	1.47	1.38
13	dA	830	CLA	CHC-C1C	4.24	1.47	1.38
13	aB	803	CLA	CHC-C1C	4.24	1.47	1.38
13	cB	803	CLA	CHC-C1C	4.24	1.47	1.38
13	dB	813	CLA	O2A-CGA	4.24	1.45	1.33
13	cA	841	CLA	CHD-C1D	4.24	1.46	1.38
13	bL	203	CLA	O2A-CGA	4.24	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	827	CLA	CHD-C1D	4.24	1.46	1.38
13	dA	819	CLA	CHC-C1C	4.24	1.47	1.38
13	aA	837	CLA	C1D-ND	4.24	1.43	1.37
13	bA	823	CLA	O2A-CGA	4.24	1.46	1.33
13	aB	807	CLA	O2A-CGA	4.23	1.45	1.33
13	aF	204	CLA	CHD-C4C	4.23	1.48	1.39
13	dA	830	CLA	CHD-C1D	4.23	1.46	1.38
13	dA	842	CLA	O2A-CGA	4.23	1.45	1.33
13	dA	840	CLA	O2A-CGA	4.23	1.45	1.33
13	cA	803	CLA	C1B-NB	-4.23	1.32	1.37
13	dJ	101	CLA	CHD-C1D	4.23	1.46	1.38
13	cA	839	CLA	CHC-C1C	4.23	1.47	1.38
13	cF	204	CLA	CHD-C4C	4.23	1.48	1.39
13	aB	827	CLA	CHD-C1D	4.23	1.46	1.38
13	bB	815	CLA	C1D-ND	4.23	1.43	1.37
13	cA	812	CLA	C1D-ND	4.23	1.43	1.37
13	aA	807	CLA	CHC-C1C	4.23	1.47	1.38
13	bA	842	CLA	O2A-CGA	4.23	1.45	1.33
13	aA	802	CLA	C1B-NB	-4.23	1.32	1.37
13	cA	822	CLA	C1B-NB	-4.23	1.32	1.37
13	dB	830	CLA	CHC-C1C	4.23	1.47	1.38
13	cA	813	CLA	C1D-ND	4.23	1.43	1.37
13	aL	202	CLA	O2A-CGA	4.23	1.46	1.33
13	aB	823	CLA	CHC-C1C	4.23	1.47	1.38
13	dA	820	CLA	CHC-C1C	4.23	1.47	1.38
13	bA	825	CLA	C1B-NB	-4.23	1.32	1.37
13	bA	833	CLA	C1B-NB	-4.23	1.32	1.37
13	dB	802	CLA	O2A-CGA	4.23	1.45	1.33
13	bB	824	CLA	CHD-C1D	4.23	1.46	1.38
13	dB	824	CLA	CHD-C1D	4.23	1.46	1.38
13	aA	812	CLA	C1D-ND	4.23	1.43	1.37
13	dB	821	CLA	C3C-C2C	4.23	1.45	1.36
13	cA	802	CLA	C1B-NB	-4.22	1.32	1.37
13	bB	802	CLA	O2A-CGA	4.22	1.45	1.33
13	bA	828	CLA	C1B-NB	-4.22	1.32	1.37
13	dB	815	CLA	C1D-ND	4.22	1.43	1.37
13	bA	814	CLA	C1D-ND	4.22	1.43	1.37
13	dA	823	CLA	O2A-CGA	4.22	1.46	1.33
13	aA	825	CLA	CHC-C1C	4.22	1.46	1.38
13	bA	820	CLA	CHC-C1C	4.22	1.46	1.38
13	cA	821	CLA	O2A-CGA	4.22	1.45	1.33
13	dA	807	CLA	C1D-ND	4.22	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cL	203	CLA	O2A-CGA	4.22	1.45	1.33
13	bA	833	CLA	C1D-ND	4.22	1.43	1.37
13	aA	841	CLA	O2A-CGA	4.22	1.45	1.33
13	cK	204	CLA	CHD-C1D	4.21	1.46	1.38
13	aK	204	CLA	CHD-C1D	4.21	1.46	1.38
13	aL	203	CLA	O2A-CGA	4.21	1.45	1.33
13	dB	810	CLA	C1B-NB	-4.21	1.32	1.37
13	cA	807	CLA	CHC-C1C	4.21	1.46	1.38
13	bB	821	CLA	C3C-C2C	4.21	1.45	1.36
13	dA	812	CLA	CHC-C1C	4.21	1.46	1.38
13	aA	821	CLA	O2A-CGA	4.21	1.45	1.33
13	aA	803	CLA	C1B-NB	-4.21	1.32	1.37
13	dA	838	CLA	O2D-CGD	4.21	1.43	1.33
13	cL	202	CLA	O2A-CGA	4.21	1.46	1.33
13	aA	810	CLA	CHD-C1D	4.21	1.46	1.38
13	bA	830	CLA	CHD-C1D	4.21	1.46	1.38
13	cA	810	CLA	CHD-C1D	4.20	1.46	1.38
13	bB	805	CLA	O2A-CGA	4.20	1.45	1.33
13	bB	823	CLA	CHC-C1C	4.20	1.46	1.38
13	cA	841	CLA	O2A-CGA	4.20	1.45	1.33
13	aK	201	CLA	C1D-ND	4.20	1.43	1.37
13	bB	808	CLA	C1D-ND	4.20	1.43	1.37
13	aA	835	CLA	CHD-C1D	4.20	1.46	1.38
13	bA	807	CLA	C1D-ND	4.20	1.43	1.37
13	aA	839	CLA	O2A-CGA	4.20	1.45	1.33
13	aA	830	CLA	O2A-CGA	4.20	1.45	1.33
13	dA	825	CLA	C1B-NB	-4.20	1.32	1.37
13	cA	839	CLA	O2A-CGA	4.20	1.45	1.33
13	bA	812	CLA	CHC-C1C	4.20	1.46	1.38
13	dA	822	CLA	CHC-C1C	4.20	1.46	1.38
13	aB	826	CLA	O2A-CGA	4.20	1.45	1.33
13	bB	806	CLA	CHD-C4C	4.20	1.48	1.39
13	cA	804	CLA	CHD-C1D	4.20	1.46	1.38
13	cB	826	CLA	O2A-CGA	4.20	1.45	1.33
13	dA	808	CLA	O2A-CGA	4.19	1.45	1.33
13	cA	816	CLA	CHD-C1D	4.19	1.46	1.38
13	aB	818	CLA	O2A-CGA	4.19	1.45	1.33
13	cA	830	CLA	O2A-CGA	4.19	1.45	1.33
12	bA	801	CL0	CHD-C4C	4.19	1.47	1.39
12	dA	801	CL0	CHD-C4C	4.19	1.47	1.39
13	cA	825	CLA	CHC-C1C	4.19	1.46	1.38
13	cA	820	CLA	O2A-CGA	4.19	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	806	CLA	CHD-C4C	4.19	1.48	1.39
13	bA	822	CLA	CHC-C1C	4.19	1.46	1.38
13	aA	816	CLA	CHD-C1D	4.19	1.46	1.38
13	dA	802	CLA	CHC-C1C	4.19	1.46	1.38
13	dB	805	CLA	O2A-CGA	4.19	1.45	1.33
13	bA	805	CLA	C1D-ND	4.19	1.43	1.37
13	bA	813	CLA	C1B-NB	-4.19	1.32	1.37
13	dA	828	CLA	C1B-NB	-4.19	1.32	1.37
13	aA	804	CLA	CHD-C1D	4.19	1.46	1.38
13	cB	818	CLA	O2A-CGA	4.18	1.45	1.33
13	cB	810	CLA	CHC-C1C	4.18	1.46	1.38
13	dB	823	CLA	CHC-C1C	4.18	1.46	1.38
13	cA	838	CLA	O2A-CGA	4.18	1.45	1.33
13	cA	827	CLA	O2A-CGA	4.18	1.45	1.33
13	cB	830	CLA	O2A-CGA	4.18	1.46	1.33
13	dB	804	CLA	CHC-C1C	4.18	1.46	1.38
13	aA	820	CLA	O2A-CGA	4.18	1.45	1.33
13	dA	817	CLA	O2A-CGA	4.18	1.45	1.33
13	aB	824	CLA	O2A-CGA	4.18	1.45	1.33
13	bB	802	CLA	C4B-NB	-4.18	1.32	1.37
13	bA	808	CLA	O2A-CGA	4.18	1.45	1.33
13	aA	838	CLA	CHC-C1C	4.18	1.46	1.38
13	cA	838	CLA	CHC-C1C	4.18	1.46	1.38
13	bB	810	CLA	C1B-NB	-4.18	1.32	1.37
13	cA	809	CLA	O2A-CGA	4.18	1.45	1.33
13	aB	830	CLA	O2A-CGA	4.18	1.46	1.33
13	dB	831	CLA	C1B-NB	-4.18	1.32	1.37
13	aA	809	CLA	O2A-CGA	4.18	1.45	1.33
13	dA	805	CLA	C1D-ND	4.18	1.43	1.37
13	aA	824	CLA	CHC-C1C	4.18	1.46	1.38
13	bA	802	CLA	CHC-C1C	4.18	1.46	1.38
13	aB	830	CLA	CHC-C1C	4.18	1.46	1.38
13	cB	830	CLA	CHC-C1C	4.18	1.46	1.38
13	dA	829	CLA	C4B-NB	-4.17	1.32	1.37
13	bB	825	CLA	O2A-CGA	4.17	1.45	1.33
13	bA	838	CLA	O2D-CGD	4.17	1.43	1.33
13	cA	835	CLA	CHD-C1D	4.17	1.46	1.38
13	bA	817	CLA	O2A-CGA	4.17	1.45	1.33
13	cA	837	CLA	C1D-ND	4.17	1.43	1.37
13	dB	809	CLA	C1D-ND	4.17	1.43	1.37
13	cA	838	CLA	C4B-NB	-4.17	1.32	1.37
13	dA	833	CLA	C1D-ND	4.17	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	824	CLA	O2A-CGA	4.17	1.45	1.33
13	bA	819	CLA	O2A-CGA	4.17	1.45	1.33
13	dA	819	CLA	O2A-CGA	4.16	1.45	1.33
13	dB	809	CLA	CHC-C1C	4.16	1.46	1.38
13	aA	838	CLA	C4B-NB	-4.16	1.32	1.37
13	aA	838	CLA	O2A-CGA	4.16	1.45	1.33
13	dB	818	CLA	CHD-C1D	4.16	1.46	1.38
13	bA	837	CLA	O2D-CGD	4.16	1.43	1.33
13	cK	201	CLA	C1D-ND	4.16	1.43	1.37
13	cA	825	CLA	CHD-C1D	4.16	1.46	1.38
13	aA	838	CLA	C1D-ND	4.16	1.43	1.37
13	cA	838	CLA	C1D-ND	4.16	1.43	1.37
13	aA	825	CLA	CHD-C1D	4.16	1.46	1.38
13	aB	810	CLA	CHC-C1C	4.16	1.46	1.38
13	cA	833	CLA	O2A-CGA	4.16	1.45	1.33
13	aA	808	CLA	O2A-CGA	4.16	1.45	1.33
13	aA	827	CLA	O2A-CGA	4.16	1.45	1.33
13	cA	805	CLA	CHD-C1D	4.16	1.46	1.38
13	aA	813	CLA	C1D-ND	4.16	1.43	1.37
13	bB	804	CLA	CHC-C1C	4.16	1.46	1.38
13	aA	833	CLA	O2A-CGA	4.15	1.45	1.33
13	dL	202	CLA	CHC-C1C	4.15	1.46	1.38
13	aB	816	CLA	CHD-C4C	4.15	1.48	1.39
13	dB	825	CLA	O2A-CGA	4.15	1.45	1.33
13	dA	839	CLA	O2D-CGD	4.15	1.43	1.33
13	cA	808	CLA	O2A-CGA	4.15	1.45	1.33
13	cB	816	CLA	CHD-C4C	4.15	1.48	1.39
13	cJ	101	CLA	CHD-C4C	4.15	1.48	1.39
13	aB	833	CLA	O2A-CGA	4.15	1.45	1.33
13	aA	814	CLA	C1D-ND	4.15	1.43	1.37
13	cA	814	CLA	C1D-ND	4.15	1.43	1.37
13	bA	815	CLA	CHD-C1D	4.15	1.46	1.38
13	dB	802	CLA	C4B-NB	-4.15	1.32	1.37
13	aB	813	CLA	CHD-C4C	4.15	1.48	1.39
13	cB	801	CLA	O2A-CGA	4.15	1.45	1.33
13	cB	815	CLA	CHD-C4C	4.15	1.48	1.39
13	bA	835	CLA	C4B-NB	-4.15	1.32	1.37
13	cB	833	CLA	O2A-CGA	4.15	1.45	1.33
13	bA	810	CLA	CHD-C1D	4.15	1.46	1.38
13	dA	810	CLA	CHD-C1D	4.15	1.46	1.38
13	cB	807	CLA	CHC-C1C	4.15	1.46	1.38
13	dA	837	CLA	O2D-CGD	4.15	1.43	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	824	CLA	CHC-C1C	4.15	1.46	1.38
13	bB	818	CLA	CHD-C1D	4.15	1.46	1.38
13	dA	813	CLA	C1B-NB	-4.15	1.32	1.37
13	dA	834	CLA	C4B-NB	-4.15	1.32	1.37
13	dA	818	CLA	C1B-NB	-4.14	1.32	1.37
13	aL	202	CLA	CHD-C1D	4.14	1.46	1.38
13	dA	813	CLA	O2A-CGA	4.14	1.45	1.33
13	bB	809	CLA	C1D-ND	4.14	1.43	1.37
13	cA	834	CLA	O2A-CGA	4.14	1.45	1.33
13	bA	812	CLA	O2A-CGA	4.14	1.45	1.33
12	dA	801	CL0	O2A-CGA	4.14	1.45	1.33
13	cB	824	CLA	CHD-C4C	4.14	1.48	1.39
13	bA	829	CLA	C4B-NB	-4.14	1.32	1.37
13	aA	829	CLA	C1D-ND	4.14	1.43	1.37
13	bA	818	CLA	C1B-NB	-4.14	1.32	1.37
13	bA	836	CLA	CHC-C1C	4.14	1.46	1.38
13	dA	812	CLA	CHD-C4C	4.14	1.48	1.39
13	bA	832	CLA	CHC-C1C	4.14	1.46	1.38
13	cL	202	CLA	CHD-C1D	4.14	1.46	1.38
13	dA	832	CLA	CHC-C1C	4.14	1.46	1.38
13	dA	823	CLA	C1B-NB	-4.14	1.32	1.37
13	aA	805	CLA	CHD-C1D	4.14	1.46	1.38
13	bB	809	CLA	CHC-C1C	4.13	1.46	1.38
13	bA	839	CLA	O2D-CGD	4.13	1.43	1.33
13	dA	821	CLA	CHD-C1D	4.13	1.46	1.38
13	cA	838	CLA	C1B-NB	-4.13	1.32	1.37
13	aA	822	CLA	O2A-CGA	4.13	1.45	1.33
13	aB	815	CLA	CHD-C4C	4.13	1.48	1.39
13	dA	843	CLA	C1B-NB	-4.13	1.32	1.37
13	aA	834	CLA	O2A-CGA	4.13	1.45	1.33
13	dA	812	CLA	O2A-CGA	4.13	1.45	1.33
13	cB	813	CLA	CHD-C4C	4.13	1.48	1.39
13	bL	202	CLA	CHC-C1C	4.13	1.46	1.38
13	aB	820	CLA	O2A-CGA	4.13	1.45	1.33
13	cB	820	CLA	O2A-CGA	4.13	1.45	1.33
13	aJ	101	CLA	CHD-C4C	4.13	1.48	1.39
13	aB	801	CLA	O2A-CGA	4.13	1.45	1.33
13	bA	843	CLA	C1B-NB	-4.13	1.32	1.37
13	dA	806	CLA	CHC-C1C	4.13	1.46	1.38
13	dA	836	CLA	CHC-C1C	4.13	1.46	1.38
13	bB	803	CLA	C1B-NB	-4.13	1.32	1.37
13	bB	828	CLA	O2A-CGA	4.13	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	832	CLA	O2A-CGA	4.13	1.45	1.33
13	bA	813	CLA	O2A-CGA	4.13	1.45	1.33
13	dA	815	CLA	C1D-ND	4.13	1.43	1.37
13	bA	826	CLA	CHC-C1C	4.13	1.46	1.38
13	bB	831	CLA	C1B-NB	-4.13	1.32	1.37
13	bA	821	CLA	CHD-C1D	4.12	1.46	1.38
13	bA	812	CLA	CHD-C4C	4.12	1.48	1.39
13	cB	812	CLA	CHD-C4C	4.12	1.48	1.39
13	aB	824	CLA	CHD-C4C	4.12	1.48	1.39
13	bA	835	CLA	C1B-NB	-4.12	1.32	1.37
13	cA	822	CLA	O2A-CGA	4.12	1.45	1.33
13	aB	807	CLA	CHC-C1C	4.12	1.46	1.38
13	dF	201	CLA	O2A-CGA	4.12	1.45	1.33
13	aA	833	CLA	C1B-NB	-4.12	1.32	1.37
12	aA	801	CL0	O2A-CGA	4.12	1.45	1.33
13	dA	835	CLA	C4B-NB	-4.12	1.32	1.37
12	cA	801	CL0	O2A-CGA	4.12	1.45	1.33
13	bA	806	CLA	CHC-C1C	4.12	1.46	1.38
13	cA	840	CLA	CHD-C1D	4.12	1.46	1.38
13	cA	829	CLA	C1D-ND	4.12	1.43	1.37
13	bA	823	CLA	C1B-NB	-4.11	1.32	1.37
13	bA	832	CLA	O2A-CGA	4.11	1.45	1.33
13	dA	815	CLA	CHD-C1D	4.11	1.46	1.38
13	bA	834	CLA	C4B-NB	-4.11	1.32	1.37
13	dB	803	CLA	C1B-NB	-4.11	1.32	1.37
13	cA	833	CLA	C1B-NB	-4.11	1.32	1.37
13	dB	817	CLA	CHD-C1D	4.11	1.46	1.38
12	bA	801	CL0	O2A-CGA	4.11	1.45	1.33
13	bF	201	CLA	O2A-CGA	4.11	1.45	1.33
13	bA	817	CLA	CHD-C1D	4.11	1.46	1.38
13	dA	838	CLA	CHD-C1D	4.11	1.46	1.38
13	dA	816	CLA	CHC-C1C	4.10	1.46	1.38
13	aA	840	CLA	CHD-C1D	4.10	1.46	1.38
13	cA	843	CLA	C1B-NB	-4.10	1.32	1.37
13	cA	812	CLA	CHD-C1D	4.10	1.46	1.38
13	dA	817	CLA	CHD-C1D	4.10	1.46	1.38
13	aA	840	CLA	O2A-CGA	4.10	1.45	1.33
13	cA	840	CLA	O2A-CGA	4.10	1.45	1.33
13	aB	812	CLA	CHD-C4C	4.10	1.48	1.39
13	cA	843	CLA	CHD-C1D	4.10	1.46	1.38
13	aA	815	CLA	C1B-NB	-4.10	1.32	1.37
13	aA	834	CLA	CHD-C1D	4.10	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	837	CLA	C1B-NB	-4.10	1.32	1.37
13	bA	821	CLA	O2A-CGA	4.10	1.45	1.33
13	dB	832	CLA	CHD-C1D	4.10	1.46	1.38
13	dA	826	CLA	CHC-C1C	4.10	1.46	1.38
13	cL	203	CLA	C1D-ND	4.10	1.43	1.37
13	bB	832	CLA	CHD-C1D	4.10	1.46	1.38
13	aA	804	CLA	CHD-C4C	4.09	1.48	1.39
13	aA	828	CLA	C1D-ND	4.09	1.43	1.37
13	bB	803	CLA	C1D-ND	4.09	1.43	1.37
13	aB	811	CLA	O2A-CGA	4.09	1.45	1.33
13	dB	828	CLA	O2A-CGA	4.09	1.45	1.33
13	dB	814	CLA	CHD-C4C	4.09	1.48	1.39
13	aB	814	CLA	C1D-ND	4.09	1.43	1.37
13	cB	814	CLA	C1D-ND	4.09	1.43	1.37
13	aB	828	CLA	CHD-C4C	4.09	1.48	1.39
13	dB	811	CLA	CHC-C1C	4.09	1.46	1.38
13	bA	836	CLA	C1D-ND	4.09	1.43	1.37
13	bA	834	CLA	CHD-C1D	4.09	1.46	1.38
13	dA	835	CLA	C1D-ND	4.09	1.43	1.37
13	aB	827	CLA	CHD-C4C	4.09	1.48	1.39
12	aA	801	CL0	C3A-C2A	-4.09	1.51	1.54
13	cB	811	CLA	O2A-CGA	4.09	1.45	1.33
13	dA	821	CLA	O2A-CGA	4.09	1.45	1.33
13	bB	811	CLA	CHC-C1C	4.09	1.46	1.38
13	dB	802	CLA	C1D-ND	4.09	1.43	1.37
13	cA	815	CLA	C1B-NB	-4.09	1.32	1.37
13	bA	816	CLA	CHC-C1C	4.09	1.46	1.38
13	aA	831	CLA	O2A-CGA	4.09	1.45	1.33
13	dA	834	CLA	CHD-C1D	4.08	1.46	1.38
13	dA	841	CLA	CHD-C1D	4.08	1.46	1.38
13	bA	804	CLA	CHC-C1C	4.08	1.46	1.38
13	dA	804	CLA	CHC-C1C	4.08	1.46	1.38
13	bA	838	CLA	CHD-C1D	4.08	1.46	1.38
13	aA	802	CLA	C1D-ND	4.08	1.43	1.37
13	aB	807	CLA	CHD-C4C	4.08	1.48	1.39
13	bA	841	CLA	CHD-C1D	4.08	1.46	1.38
13	dB	819	CLA	CHD-C4C	4.08	1.48	1.39
13	aB	830	CLA	CHD-C1D	4.08	1.46	1.38
13	bA	835	CLA	C1D-ND	4.08	1.43	1.37
13	bB	814	CLA	CHD-C4C	4.08	1.48	1.39
13	aA	813	CLA	CHD-C1D	4.08	1.46	1.38
13	aA	843	CLA	CHD-C1D	4.08	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	813	CLA	CHD-C1D	4.08	1.46	1.38
13	cF	201	CLA	CHD-C4C	4.08	1.48	1.39
13	bB	808	CLA	CHD-C1D	4.08	1.46	1.38
13	cA	802	CLA	C1D-ND	4.08	1.43	1.37
13	bA	815	CLA	C1D-ND	4.08	1.43	1.37
13	cA	831	CLA	O2A-CGA	4.08	1.45	1.33
13	cA	804	CLA	CHD-C4C	4.08	1.48	1.39
13	bB	817	CLA	CHD-C1D	4.08	1.46	1.38
13	aA	812	CLA	CHD-C1D	4.08	1.46	1.38
13	cB	820	CLA	CHD-C1D	4.08	1.46	1.38
13	aL	203	CLA	C1D-ND	4.08	1.43	1.37
13	dA	827	CLA	O2A-CGA	4.08	1.45	1.33
13	cB	828	CLA	CHD-C4C	4.08	1.48	1.39
13	bB	802	CLA	C1D-ND	4.08	1.43	1.37
13	aB	833	CLA	CHD-C1D	4.07	1.46	1.38
13	bB	812	CLA	CHD-C1D	4.07	1.46	1.38
13	cB	830	CLA	CHD-C1D	4.07	1.46	1.38
13	dB	818	CLA	C1B-NB	-4.07	1.32	1.37
13	cB	807	CLA	CHD-C4C	4.07	1.48	1.39
13	bA	817	CLA	C1B-NB	-4.07	1.32	1.37
13	aB	805	CLA	O2A-CGA	4.07	1.45	1.33
13	dA	830	CLA	O2A-CGA	4.07	1.45	1.33
12	cA	801	CL0	C3A-C2A	-4.07	1.51	1.54
13	bB	819	CLA	CHD-C4C	4.07	1.48	1.39
13	cB	833	CLA	CHD-C1D	4.07	1.46	1.38
13	aB	801	CLA	CHC-C1C	4.07	1.46	1.38
13	dB	808	CLA	CHD-C1D	4.07	1.46	1.38
13	cA	840	CLA	CHC-C1C	4.07	1.46	1.38
13	cA	822	CLA	CHD-C1D	4.07	1.46	1.38
13	bA	827	CLA	O2D-CGD	4.07	1.43	1.33
13	bA	830	CLA	O2A-CGA	4.07	1.45	1.33
13	cB	805	CLA	O2A-CGA	4.07	1.45	1.33
13	cA	834	CLA	CHD-C1D	4.07	1.46	1.38
13	bB	822	CLA	CHD-C1D	4.07	1.46	1.38
13	dB	822	CLA	CHD-C1D	4.07	1.46	1.38
13	dF	201	CLA	CHD-C1D	4.07	1.46	1.38
13	aB	809	CLA	CHD-C1D	4.07	1.46	1.38
13	aB	820	CLA	CHD-C1D	4.07	1.46	1.38
13	bA	827	CLA	O2A-CGA	4.07	1.45	1.33
13	cA	802	CLA	O2A-CGA	4.07	1.45	1.33
13	bA	807	CLA	O2A-CGA	4.06	1.45	1.33
13	aF	201	CLA	CHD-C4C	4.06	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	818	CLA	CHD-C4C	4.06	1.48	1.39
13	bA	823	CLA	C1D-ND	4.06	1.43	1.37
13	dA	817	CLA	C1B-NB	-4.06	1.32	1.37
13	bA	816	CLA	CHD-C1D	4.06	1.46	1.38
13	dA	816	CLA	CHD-C1D	4.06	1.46	1.38
13	dA	836	CLA	C1D-ND	4.06	1.43	1.37
13	aB	818	CLA	CHD-C4C	4.06	1.48	1.39
13	cA	813	CLA	C1B-NB	-4.06	1.32	1.37
13	cB	827	CLA	CHD-C4C	4.06	1.48	1.39
13	aB	801	CLA	C1D-ND	4.06	1.43	1.37
13	aA	813	CLA	C1B-NB	-4.06	1.32	1.37
13	cB	809	CLA	CHD-C1D	4.06	1.46	1.38
13	bB	826	CLA	O2A-CGA	4.05	1.45	1.33
13	dA	805	CLA	CHD-C1D	4.05	1.46	1.38
13	dB	812	CLA	CHD-C4C	4.05	1.48	1.39
13	aA	822	CLA	CHD-C1D	4.05	1.46	1.38
13	dA	827	CLA	O2D-CGD	4.05	1.43	1.33
13	dB	808	CLA	O2A-CGA	4.05	1.45	1.33
13	aA	840	CLA	CHC-C1C	4.05	1.46	1.38
13	cB	801	CLA	CHC-C1C	4.05	1.46	1.38
13	cB	801	CLA	CHD-C1D	4.05	1.46	1.38
13	dB	811	CLA	O2A-CGA	4.05	1.45	1.33
13	cA	823	CLA	C1D-ND	4.05	1.43	1.37
13	cA	825	CLA	C1B-NB	-4.05	1.32	1.37
13	dB	826	CLA	O2A-CGA	4.05	1.45	1.33
13	cA	828	CLA	C1D-ND	4.05	1.43	1.37
13	dA	807	CLA	O2A-CGA	4.05	1.45	1.33
13	bA	809	CLA	CHC-C1C	4.05	1.46	1.38
13	dA	823	CLA	C1D-ND	4.05	1.43	1.37
13	bA	837	CLA	C1B-NB	-4.05	1.32	1.37
13	bB	812	CLA	CHD-C4C	4.05	1.48	1.39
13	cA	835	CLA	CHD-C4C	4.05	1.48	1.39
13	bB	815	CLA	CHD-C1D	4.05	1.46	1.38
13	dA	835	CLA	C1B-NB	-4.05	1.32	1.37
13	aA	838	CLA	C1B-NB	-4.04	1.32	1.37
13	aA	843	CLA	C1B-NB	-4.04	1.32	1.37
13	aB	812	CLA	CHD-C1D	4.04	1.46	1.38
13	dB	812	CLA	CHD-C1D	4.04	1.46	1.38
13	cA	829	CLA	O2A-CGA	4.04	1.45	1.33
13	cA	823	CLA	C1B-NB	-4.04	1.32	1.37
13	bB	811	CLA	O2A-CGA	4.04	1.45	1.33
13	bL	202	CLA	O2A-CGA	4.04	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	822	CLA	C1D-ND	4.04	1.43	1.37
13	aA	802	CLA	O2A-CGA	4.04	1.45	1.33
13	bF	201	CLA	CHD-C1D	4.04	1.46	1.38
13	dA	824	CLA	C1D-ND	4.04	1.43	1.37
13	dA	818	CLA	CHC-C1C	4.04	1.46	1.38
13	dB	815	CLA	CHD-C1D	4.04	1.46	1.38
13	aL	204	CLA	CHD-C1D	4.04	1.46	1.38
13	dA	834	CLA	O2A-CGA	4.04	1.45	1.33
13	cB	825	CLA	CHD-C4C	4.04	1.48	1.39
13	dA	803	CLA	CHD-C4C	4.03	1.48	1.39
13	aA	829	CLA	O2A-CGA	4.03	1.45	1.33
13	cA	841	CLA	CHD-C4C	4.03	1.48	1.39
13	dA	810	CLA	C1D-ND	4.03	1.43	1.37
13	dA	844	CLA	C1B-NB	-4.03	1.32	1.37
13	cA	802	CLA	CHC-C1C	4.03	1.46	1.38
13	dA	823	CLA	CHD-C1D	4.03	1.46	1.38
13	aK	204	CLA	O2A-CGA	4.03	1.45	1.33
13	aB	825	CLA	CHD-C4C	4.03	1.48	1.39
13	aA	822	CLA	C1D-ND	4.03	1.43	1.37
13	aA	825	CLA	C1B-NB	-4.03	1.32	1.37
13	cA	836	CLA	C1B-NB	-4.03	1.32	1.37
13	bA	803	CLA	CHD-C4C	4.03	1.48	1.39
13	bA	820	CLA	C1D-ND	4.03	1.43	1.37
13	bA	824	CLA	C1D-ND	4.03	1.43	1.37
13	bB	808	CLA	O2A-CGA	4.03	1.45	1.33
13	bA	844	CLA	C1D-ND	4.03	1.43	1.37
13	cB	826	CLA	CHD-C4C	4.03	1.48	1.39
13	cB	804	CLA	C3D-C2D	4.03	1.50	1.39
13	cA	808	CLA	CHD-C4C	4.03	1.48	1.39
13	dB	803	CLA	C1D-ND	4.03	1.43	1.37
13	bA	806	CLA	O2A-CGA	4.03	1.45	1.33
13	bA	810	CLA	C1D-ND	4.03	1.43	1.37
13	aB	804	CLA	C3D-C2D	4.03	1.50	1.39
13	aA	808	CLA	CHD-C4C	4.03	1.48	1.39
13	aA	823	CLA	C1B-NB	-4.03	1.32	1.37
13	dB	818	CLA	O2A-CGA	4.03	1.45	1.33
13	dA	828	CLA	O2A-CGA	4.03	1.45	1.33
13	aB	801	CLA	CHD-C1D	4.02	1.46	1.38
13	bA	843	CLA	CHC-C1C	4.02	1.46	1.38
13	dA	830	CLA	C1D-ND	4.02	1.43	1.37
13	bA	833	CLA	CHD-C1D	4.02	1.46	1.38
13	bA	834	CLA	O2A-CGA	4.02	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	826	CLA	CHD-C4C	4.02	1.48	1.39
13	cA	833	CLA	CHD-C1D	4.02	1.46	1.38
13	dA	836	CLA	CHD-C1D	4.02	1.46	1.38
13	cB	812	CLA	CHD-C1D	4.02	1.46	1.38
13	aA	836	CLA	C1D-ND	4.02	1.43	1.37
13	bA	808	CLA	C1D-ND	4.02	1.43	1.37
13	dA	835	CLA	CHD-C1D	4.02	1.46	1.38
13	aB	814	CLA	O2A-CGA	4.02	1.45	1.33
13	cB	808	CLA	O2A-CGA	4.02	1.45	1.33
13	bA	844	CLA	C1B-NB	-4.02	1.32	1.37
13	bA	820	CLA	CHD-C1D	4.02	1.46	1.38
13	aA	835	CLA	CHD-C4C	4.02	1.48	1.39
13	cA	825	CLA	CHD-C4C	4.02	1.48	1.39
13	cA	835	CLA	CHC-C1C	4.02	1.46	1.38
13	dA	809	CLA	CHC-C1C	4.02	1.46	1.38
13	cB	803	CLA	CHD-C1D	4.02	1.46	1.38
13	bA	843	CLA	O2A-CGA	4.02	1.45	1.33
13	dA	833	CLA	CHD-C1D	4.02	1.46	1.38
13	bA	835	CLA	CHD-C1D	4.02	1.46	1.38
13	aA	833	CLA	CHD-C1D	4.02	1.46	1.38
13	aA	841	CLA	CHD-C4C	4.02	1.48	1.39
13	dA	811	CLA	C1B-NB	-4.02	1.32	1.37
13	dB	831	CLA	C1D-ND	4.02	1.43	1.37
13	bA	823	CLA	CHD-C1D	4.01	1.46	1.38
13	bB	818	CLA	O2A-CGA	4.01	1.45	1.33
13	aA	832	CLA	CHD-C1D	4.01	1.46	1.38
13	bB	826	CLA	CHD-C1D	4.01	1.46	1.38
13	dB	807	CLA	O2A-CGA	4.01	1.45	1.33
13	aB	808	CLA	O2A-CGA	4.01	1.45	1.33
13	bB	807	CLA	O2A-CGA	4.01	1.45	1.33
13	dL	202	CLA	O2A-CGA	4.01	1.45	1.33
13	bA	822	CLA	C1D-ND	4.01	1.43	1.37
13	bB	818	CLA	C1B-NB	-4.01	1.32	1.37
13	cA	832	CLA	C1B-NB	-4.01	1.32	1.37
13	bA	828	CLA	O2A-CGA	4.01	1.45	1.33
13	dA	822	CLA	C1D-ND	4.01	1.43	1.37
13	dA	806	CLA	O2A-CGA	4.01	1.45	1.33
13	dA	843	CLA	O2A-CGA	4.01	1.45	1.33
13	cL	204	CLA	CHD-C1D	4.01	1.46	1.38
13	dB	806	CLA	CHD-C1D	4.01	1.46	1.38
13	aA	802	CLA	CHC-C1C	4.01	1.46	1.38
13	aA	825	CLA	CHD-C4C	4.01	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cK	201	CLA	CHD-C4C	4.01	1.48	1.39
13	cK	201	CLA	CHC-C1C	4.01	1.46	1.38
13	bA	805	CLA	CHD-C1D	4.01	1.46	1.38
13	bA	836	CLA	CHD-C1D	4.01	1.46	1.38
13	cA	838	CLA	CHD-C1D	4.01	1.46	1.38
13	cA	821	CLA	C1D-ND	4.01	1.43	1.37
13	bA	818	CLA	CHC-C1C	4.01	1.46	1.38
13	bB	827	CLA	CHD-C4C	4.01	1.48	1.39
13	cK	204	CLA	O2A-CGA	4.01	1.45	1.33
13	aK	201	CLA	CHC-C1C	4.01	1.46	1.38
13	dB	826	CLA	CHD-C1D	4.01	1.46	1.38
13	aA	823	CLA	C1D-ND	4.01	1.43	1.37
13	dA	843	CLA	C1D-ND	4.01	1.43	1.37
13	dA	829	CLA	O2A-CGA	4.01	1.45	1.33
13	dA	820	CLA	C1D-ND	4.00	1.43	1.37
13	dB	804	CLA	C4B-NB	-4.00	1.32	1.37
13	bA	829	CLA	O2A-CGA	4.00	1.45	1.33
13	aA	824	CLA	CHD-C1D	4.00	1.46	1.38
13	cA	824	CLA	CHD-C1D	4.00	1.46	1.38
13	cA	830	CLA	C1B-NB	-4.00	1.32	1.37
13	aB	803	CLA	CHD-C1D	4.00	1.46	1.38
13	bB	820	CLA	CHD-C1D	4.00	1.46	1.38
13	dB	820	CLA	CHD-C1D	4.00	1.46	1.38
13	aA	837	CLA	CHD-C1D	4.00	1.46	1.38
13	bA	825	CLA	O2A-CGA	4.00	1.45	1.33
13	bA	830	CLA	C1D-ND	4.00	1.43	1.37
13	cA	836	CLA	C1D-ND	4.00	1.43	1.37
13	aK	201	CLA	CHD-C4C	4.00	1.48	1.39
13	cA	832	CLA	CHD-C1D	4.00	1.46	1.38
13	dA	843	CLA	CHC-C1C	4.00	1.46	1.38
13	cB	814	CLA	O2A-CGA	4.00	1.45	1.33
13	bB	831	CLA	C1D-ND	4.00	1.43	1.37
13	dB	827	CLA	CHD-C4C	4.00	1.48	1.39
13	dB	813	CLA	C3D-C2D	4.00	1.49	1.39
13	dA	844	CLA	C1D-ND	4.00	1.43	1.37
13	bB	804	CLA	C4B-NB	-3.99	1.32	1.37
13	dA	820	CLA	CHD-C1D	3.99	1.46	1.38
13	bB	825	CLA	CHD-C4C	3.99	1.48	1.39
13	cA	820	CLA	CHD-C4C	3.99	1.48	1.39
13	bB	807	CLA	CHD-C1D	3.99	1.46	1.38
13	cB	832	CLA	CHD-C1D	3.99	1.46	1.38
13	bA	819	CLA	CHD-C1D	3.99	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cK	204	CLA	CHC-C1C	3.99	1.46	1.38
13	aA	827	CLA	C4B-NB	-3.99	1.32	1.37
13	aA	836	CLA	C1B-NB	-3.99	1.32	1.37
13	cA	827	CLA	C4B-NB	-3.99	1.32	1.37
13	cA	836	CLA	CHD-C1D	3.99	1.46	1.38
13	dB	813	CLA	CHD-C1D	3.99	1.46	1.38
13	cB	801	CLA	C1D-ND	3.99	1.43	1.37
13	cA	837	CLA	CHD-C1D	3.99	1.46	1.38
13	aA	821	CLA	C1D-ND	3.99	1.43	1.37
13	aA	840	CLA	C1B-NB	-3.99	1.32	1.37
13	bB	819	CLA	O2A-CGA	3.98	1.45	1.33
13	aB	832	CLA	CHD-C1D	3.98	1.46	1.38
13	aA	819	CLA	C1D-ND	3.98	1.43	1.37
13	dA	804	CLA	CHD-C1D	3.98	1.46	1.38
13	cB	820	CLA	CHC-C4B	3.98	1.48	1.39
13	dA	813	CLA	C1D-ND	3.98	1.43	1.37
13	bB	806	CLA	CHD-C1D	3.98	1.46	1.38
13	aA	835	CLA	CHC-C1C	3.98	1.46	1.38
12	bA	801	CL0	CHC-C1C	3.98	1.47	1.39
12	dA	801	CL0	CHC-C1C	3.98	1.47	1.39
13	bA	804	CLA	CHD-C1D	3.98	1.46	1.38
13	cA	819	CLA	C1D-ND	3.98	1.43	1.37
13	bB	813	CLA	C3D-C2D	3.98	1.49	1.39
13	dA	825	CLA	O2A-CGA	3.98	1.44	1.33
13	aA	817	CLA	CHD-C4C	3.98	1.48	1.39
13	aA	824	CLA	C1B-NB	-3.98	1.32	1.37
13	dB	819	CLA	O2A-CGA	3.98	1.45	1.33
13	aB	831	CLA	CHD-C1D	3.98	1.46	1.38
15	bI	102	BCR	C30-C25	-3.98	1.48	1.53
15	dI	102	BCR	C30-C25	-3.98	1.48	1.53
13	dB	825	CLA	CHD-C4C	3.98	1.48	1.39
13	cA	821	CLA	CHC-C1C	3.98	1.46	1.38
13	cA	828	CLA	O2A-CGA	3.98	1.44	1.33
12	cA	801	CL0	CHC-C1C	3.98	1.47	1.39
13	dB	831	CLA	CHD-C1D	3.98	1.46	1.38
13	bB	805	CLA	CHD-C1D	3.97	1.46	1.38
13	aA	838	CLA	CHD-C1D	3.97	1.46	1.38
13	dA	808	CLA	C1D-ND	3.97	1.43	1.37
13	aB	810	CLA	CHD-C4C	3.97	1.48	1.39
13	dB	816	CLA	CHD-C4C	3.97	1.48	1.39
13	cB	806	CLA	CHD-C4C	3.97	1.48	1.39
13	bA	843	CLA	C1D-ND	3.97	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dJ	101	CLA	CHD-C4C	3.97	1.48	1.39
13	bB	816	CLA	CHD-C4C	3.97	1.48	1.39
13	aA	828	CLA	O2A-CGA	3.97	1.44	1.33
13	cB	824	CLA	C1B-NB	-3.97	1.32	1.37
13	bF	204	CLA	CHD-C4C	3.97	1.48	1.39
13	aF	201	CLA	O2A-CGA	3.97	1.44	1.33
13	bB	804	CLA	O2A-CGA	3.97	1.44	1.33
13	aA	831	CLA	C1D-ND	3.97	1.43	1.37
13	aA	836	CLA	CHD-C1D	3.97	1.46	1.38
13	cB	810	CLA	CHD-C4C	3.97	1.48	1.39
13	bB	813	CLA	CHD-C1D	3.97	1.46	1.38
13	cA	803	CLA	C1D-ND	3.97	1.43	1.37
13	aB	829	CLA	CHD-C4C	3.97	1.48	1.39
13	aB	824	CLA	C1B-NB	-3.97	1.32	1.37
13	aB	806	CLA	CHD-C4C	3.97	1.48	1.39
13	dF	204	CLA	CHD-C4C	3.97	1.48	1.39
13	aA	832	CLA	C1B-NB	-3.97	1.32	1.37
13	dA	819	CLA	CHD-C1D	3.97	1.46	1.38
13	cB	834	CLA	CHD-C4C	3.97	1.48	1.39
13	cA	809	CLA	CHD-C1D	3.96	1.46	1.38
13	cA	831	CLA	C1D-ND	3.96	1.43	1.37
13	dA	829	CLA	C1D-ND	3.96	1.43	1.37
13	dA	808	CLA	C1B-NB	-3.96	1.32	1.37
13	dB	807	CLA	CHD-C1D	3.96	1.46	1.38
13	aA	820	CLA	CHD-C4C	3.96	1.48	1.39
13	aA	805	CLA	CHD-C4C	3.96	1.48	1.39
13	dB	804	CLA	O2A-CGA	3.96	1.44	1.33
13	bA	821	CLA	CHD-C4C	3.96	1.48	1.39
13	cA	817	CLA	CHD-C4C	3.96	1.48	1.39
13	bA	830	CLA	C4B-NB	-3.96	1.32	1.37
13	dA	830	CLA	C4B-NB	-3.96	1.32	1.37
13	cF	201	CLA	O2A-CGA	3.96	1.44	1.33
13	dB	805	CLA	CHD-C1D	3.96	1.46	1.38
13	cB	829	CLA	CHD-C4C	3.96	1.48	1.39
13	dB	808	CLA	CHC-C1C	3.96	1.46	1.38
12	aA	801	CL0	CHC-C1C	3.96	1.47	1.39
13	dB	824	CLA	CHD-C4C	3.96	1.48	1.39
13	bA	813	CLA	C1D-ND	3.96	1.43	1.37
13	bA	816	CLA	C1B-NB	-3.96	1.32	1.37
13	aB	814	CLA	CHD-C4C	3.96	1.48	1.39
13	cA	805	CLA	CHD-C4C	3.96	1.48	1.39
13	cB	814	CLA	CHD-C4C	3.96	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	808	CLA	C1B-NB	-3.96	1.32	1.37
13	bA	838	CLA	C1D-ND	3.96	1.43	1.37
13	aK	204	CLA	CHD-C4C	3.96	1.48	1.39
13	cB	811	CLA	CHD-C4C	3.96	1.48	1.39
13	aB	808	CLA	CHD-C1D	3.96	1.46	1.38
13	dA	811	CLA	CHD-C1D	3.96	1.46	1.38
13	cK	204	CLA	CHD-C4C	3.95	1.48	1.39
13	aA	830	CLA	C1B-NB	-3.95	1.32	1.37
13	bB	824	CLA	CHD-C4C	3.95	1.48	1.39
13	bA	811	CLA	C1B-NB	-3.95	1.32	1.37
13	aB	820	CLA	CHC-C4B	3.95	1.48	1.39
13	aB	834	CLA	CHD-C4C	3.95	1.48	1.39
13	bJ	101	CLA	CHD-C4C	3.95	1.48	1.39
13	dA	838	CLA	C1D-ND	3.95	1.43	1.37
13	cA	824	CLA	C1B-NB	-3.95	1.32	1.37
13	dB	825	CLA	C1B-NB	-3.95	1.32	1.37
13	bB	803	CLA	O2A-CGA	3.95	1.44	1.33
13	bB	831	CLA	CHD-C1D	3.95	1.46	1.38
13	bB	808	CLA	CHC-C1C	3.95	1.46	1.38
13	dB	803	CLA	O2A-CGA	3.94	1.44	1.33
13	dB	806	CLA	O2A-CGA	3.94	1.44	1.33
13	aA	803	CLA	C1D-ND	3.94	1.43	1.37
13	bA	811	CLA	CHD-C1D	3.94	1.46	1.38
13	bA	818	CLA	C4B-NB	-3.94	1.32	1.37
13	dA	818	CLA	C4B-NB	-3.94	1.32	1.37
13	dA	821	CLA	CHD-C4C	3.94	1.48	1.39
13	dA	826	CLA	C4B-NB	-3.94	1.32	1.37
13	cB	808	CLA	CHD-C1D	3.94	1.46	1.38
13	bA	805	CLA	CHD-C4C	3.94	1.48	1.39
13	bA	826	CLA	C1B-NB	-3.94	1.32	1.37
13	bA	840	CLA	C4B-NB	-3.94	1.32	1.37
13	dA	826	CLA	C1B-NB	-3.94	1.32	1.37
13	aA	812	CLA	CHD-C4C	3.94	1.48	1.39
13	cB	817	CLA	CHD-C4C	3.94	1.48	1.39
13	bB	806	CLA	O2A-CGA	3.94	1.44	1.33
13	bA	829	CLA	C1D-ND	3.94	1.43	1.37
13	dA	835	CLA	CHC-C1C	3.94	1.46	1.38
13	cB	822	CLA	CHD-C1D	3.94	1.46	1.38
13	aK	204	CLA	CHC-C1C	3.94	1.46	1.38
13	cA	827	CLA	C1D-ND	3.94	1.43	1.37
13	bA	841	CLA	C1B-NB	-3.94	1.32	1.37
13	aA	821	CLA	CHC-C1C	3.94	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	825	CLA	C1B-NB	-3.94	1.32	1.37
13	cA	840	CLA	C1B-NB	-3.94	1.32	1.37
13	aA	818	CLA	C1D-ND	3.94	1.43	1.37
13	aA	824	CLA	C1D-ND	3.94	1.43	1.37
13	bA	835	CLA	CHC-C1C	3.93	1.46	1.38
13	bL	202	CLA	C1B-NB	-3.93	1.32	1.37
13	cA	818	CLA	C1D-ND	3.93	1.43	1.37
13	dA	825	CLA	C4B-NB	-3.93	1.32	1.37
13	aB	822	CLA	CHD-C1D	3.93	1.46	1.38
13	dA	841	CLA	CHD-C4C	3.93	1.48	1.39
13	bB	819	CLA	C1B-NB	-3.93	1.32	1.37
13	dL	202	CLA	C1B-NB	-3.93	1.32	1.37
13	aB	811	CLA	CHD-C4C	3.93	1.48	1.39
13	dB	804	CLA	C3C-C2C	3.93	1.45	1.36
13	cB	831	CLA	CHD-C1D	3.93	1.46	1.38
13	dA	834	CLA	CHC-C1C	3.93	1.46	1.38
13	aA	827	CLA	C1D-ND	3.93	1.43	1.37
13	cA	824	CLA	C1D-ND	3.93	1.43	1.37
13	dA	805	CLA	CHD-C4C	3.93	1.48	1.39
13	cA	830	CLA	C1D-ND	3.93	1.43	1.37
13	aA	809	CLA	CHD-C1D	3.93	1.46	1.38
13	dB	803	CLA	C3D-C2D	3.93	1.49	1.39
13	dA	842	CLA	CHD-C1D	3.93	1.46	1.38
13	aB	819	CLA	CHD-C4C	3.93	1.48	1.39
13	bA	841	CLA	CHD-C4C	3.93	1.48	1.39
13	bA	808	CLA	CHD-C1D	3.93	1.46	1.38
13	cB	819	CLA	CHD-C4C	3.92	1.48	1.39
12	dA	801	CL0	CHD-C1D	3.92	1.46	1.39
13	bA	834	CLA	CHC-C1C	3.92	1.46	1.38
13	dB	819	CLA	C1B-NB	-3.92	1.32	1.37
13	dA	819	CLA	C1D-ND	3.92	1.43	1.37
13	bA	822	CLA	CHD-C1D	3.92	1.46	1.38
13	bB	811	CLA	C1D-ND	3.92	1.43	1.37
13	aB	817	CLA	CHD-C4C	3.92	1.48	1.39
13	bB	804	CLA	C3C-C2C	3.92	1.45	1.36
13	bA	835	CLA	O2A-CGA	3.92	1.44	1.33
13	dA	835	CLA	O2A-CGA	3.92	1.44	1.33
13	bA	825	CLA	C4B-NB	-3.92	1.32	1.37
13	dB	811	CLA	C1D-ND	3.92	1.43	1.37
13	bA	826	CLA	C4B-NB	-3.92	1.32	1.37
13	cA	806	CLA	C1B-NB	-3.92	1.32	1.37
13	cA	832	CLA	C1D-ND	3.92	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	841	CLA	C1B-NB	-3.92	1.32	1.37
13	aA	821	CLA	C1B-NB	-3.92	1.32	1.37
13	cA	812	CLA	CHD-C4C	3.92	1.48	1.39
13	dA	822	CLA	CHD-C1D	3.92	1.46	1.38
13	aB	826	CLA	CHD-C1D	3.91	1.46	1.38
13	cB	826	CLA	CHD-C1D	3.91	1.46	1.38
13	aB	829	CLA	OBD-CAD	3.91	1.29	1.22
13	bA	843	CLA	CHD-C1D	3.91	1.46	1.38
13	aB	821	CLA	CHD-C1D	3.91	1.46	1.38
13	cB	821	CLA	CHD-C1D	3.91	1.46	1.38
13	cB	816	CLA	C3D-C2D	3.91	1.49	1.39
13	cA	804	CLA	C1B-NB	-3.91	1.32	1.37
13	dA	807	CLA	C1B-NB	-3.91	1.32	1.37
13	bB	803	CLA	C3D-C2D	3.91	1.49	1.39
13	bA	842	CLA	CHD-C1D	3.91	1.46	1.38
13	aA	806	CLA	CHD-C1D	3.90	1.46	1.38
13	aA	815	CLA	C3D-C2D	3.90	1.49	1.39
13	bB	810	CLA	CHD-C1D	3.90	1.46	1.38
13	dB	810	CLA	CHD-C1D	3.90	1.46	1.38
13	cF	204	CLA	OBD-CAD	3.90	1.29	1.22
13	bA	819	CLA	C1D-ND	3.90	1.43	1.37
13	cA	821	CLA	C1B-NB	-3.90	1.32	1.37
13	cF	204	CLA	C3D-C2D	3.90	1.49	1.39
13	cB	804	CLA	C1B-NB	-3.90	1.32	1.37
13	dA	807	CLA	C4B-NB	-3.89	1.32	1.37
13	dA	840	CLA	C4B-NB	-3.89	1.32	1.37
13	bB	826	CLA	CHD-C4C	3.89	1.48	1.39
13	aB	816	CLA	C3D-C2D	3.89	1.49	1.39
13	cA	815	CLA	C3D-C2D	3.89	1.49	1.39
13	aA	816	CLA	CHD-C4C	3.89	1.48	1.39
13	cA	806	CLA	CHD-C1D	3.89	1.46	1.38
13	dA	808	CLA	CHD-C1D	3.89	1.46	1.38
13	dA	839	CLA	CHC-C1C	3.89	1.46	1.38
13	dA	837	CLA	CHD-C4C	3.89	1.48	1.39
13	cA	842	CLA	CHD-C4C	3.89	1.48	1.39
13	aA	806	CLA	C1B-NB	-3.89	1.32	1.37
13	bA	809	CLA	C3D-C2D	3.89	1.49	1.39
13	aK	203	CLA	CHD-C1D	3.89	1.46	1.38
13	cK	203	CLA	CHD-C1D	3.89	1.46	1.38
15	aB	838	BCR	C30-C25	-3.89	1.48	1.53
13	aA	834	CLA	CHD-C4C	3.89	1.48	1.39
13	cA	834	CLA	CHD-C4C	3.89	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dF	204	CLA	C3D-C2D	3.89	1.49	1.39
13	aB	819	CLA	CHD-C1D	3.89	1.46	1.38
13	dA	802	CLA	CHD-C1D	3.89	1.46	1.38
13	dA	816	CLA	C1B-NB	-3.89	1.32	1.37
13	dA	843	CLA	CHD-C1D	3.89	1.46	1.38
13	bB	828	CLA	C1D-ND	3.88	1.43	1.37
13	dB	828	CLA	C1D-ND	3.88	1.43	1.37
13	cA	816	CLA	CHD-C4C	3.88	1.48	1.39
13	aA	832	CLA	C1D-ND	3.88	1.43	1.37
13	dB	826	CLA	CHD-C4C	3.88	1.48	1.39
13	bA	839	CLA	CHC-C1C	3.88	1.46	1.38
15	cB	838	BCR	C30-C25	-3.88	1.48	1.53
13	bA	807	CLA	C1B-NB	-3.88	1.32	1.37
13	aA	842	CLA	CHD-C4C	3.88	1.48	1.39
13	bL	203	CLA	C1D-ND	3.88	1.43	1.37
13	dA	814	CLA	C1B-NB	-3.88	1.32	1.37
13	bA	832	CLA	CHD-C1D	3.88	1.46	1.38
13	dA	829	CLA	CHD-C1D	3.88	1.46	1.38
13	dA	832	CLA	CHD-C1D	3.88	1.46	1.38
13	aA	838	CLA	CHD-C4C	3.87	1.48	1.39
13	bA	814	CLA	C1B-NB	-3.87	1.32	1.37
13	aB	821	CLA	CHC-C4B	3.87	1.48	1.39
13	aA	804	CLA	C1B-NB	-3.87	1.32	1.37
13	cB	819	CLA	CHD-C1D	3.87	1.46	1.38
13	dB	820	CLA	CHD-C4C	3.87	1.48	1.39
13	dA	809	CLA	C1D-ND	3.87	1.42	1.37
13	bB	820	CLA	CHD-C4C	3.87	1.48	1.39
12	bA	801	CL0	CHD-C1D	3.87	1.45	1.39
13	aA	842	CLA	CHD-C1D	3.87	1.46	1.38
13	cB	829	CLA	OBD-CAD	3.87	1.29	1.22
13	aF	204	CLA	C3D-C2D	3.87	1.49	1.39
13	bA	839	CLA	C4B-NB	-3.87	1.32	1.37
13	aB	807	CLA	C3D-C2D	3.87	1.49	1.39
13	cB	807	CLA	C3D-C2D	3.87	1.49	1.39
13	bA	802	CLA	CHD-C1D	3.87	1.46	1.38
13	cB	813	CLA	OBD-CAD	3.87	1.29	1.22
13	aB	829	CLA	CHC-C4B	3.87	1.48	1.39
13	aF	204	CLA	OBD-CAD	3.87	1.29	1.22
13	cB	821	CLA	CHC-C4B	3.87	1.48	1.39
13	dA	840	CLA	C1D-ND	3.86	1.42	1.37
13	cA	803	CLA	CHD-C1D	3.86	1.45	1.38
13	aA	830	CLA	C1D-ND	3.86	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	809	CLA	C1D-ND	3.86	1.42	1.37
13	cB	829	CLA	CHC-C4B	3.86	1.48	1.39
13	cJ	101	CLA	OBD-CAD	3.86	1.29	1.22
13	aB	813	CLA	OBD-CAD	3.86	1.29	1.22
13	bA	829	CLA	CHD-C1D	3.86	1.45	1.38
13	dA	811	CLA	CHC-C1C	3.86	1.46	1.38
13	dA	809	CLA	C3D-C2D	3.86	1.49	1.39
13	cL	204	CLA	CHD-C4C	3.86	1.48	1.39
13	bA	828	CLA	C1D-ND	3.86	1.42	1.37
13	bA	837	CLA	CHD-C4C	3.86	1.48	1.39
13	dB	828	CLA	C1B-NB	-3.86	1.32	1.37
13	bB	802	CLA	CHC-C1C	3.86	1.46	1.38
13	bB	813	CLA	C1D-ND	3.86	1.42	1.37
13	bB	832	CLA	CHD-C4C	3.86	1.48	1.39
13	dB	832	CLA	CHD-C4C	3.86	1.48	1.39
13	bA	813	CLA	CHD-C1D	3.86	1.45	1.38
13	dB	802	CLA	CHC-C1C	3.86	1.46	1.38
13	bF	204	CLA	C3D-C2D	3.86	1.49	1.39
13	bB	817	CLA	C3D-C2D	3.86	1.49	1.39
13	dB	817	CLA	C3D-C2D	3.86	1.49	1.39
13	cA	842	CLA	CHD-C1D	3.85	1.45	1.38
13	dB	829	CLA	C4B-NB	-3.85	1.32	1.37
13	cB	830	CLA	CHD-C4C	3.85	1.48	1.39
13	dA	828	CLA	C1D-ND	3.85	1.42	1.37
13	dA	832	CLA	C1D-ND	3.85	1.42	1.37
13	bB	828	CLA	C1B-NB	-3.85	1.32	1.37
13	aA	802	CLA	C3D-C2D	3.85	1.49	1.39
13	bA	806	CLA	C1D-ND	3.85	1.42	1.37
13	aB	832	CLA	CHD-C4C	3.85	1.48	1.39
13	bB	817	CLA	CHD-C4C	3.85	1.48	1.39
13	cB	832	CLA	CHD-C4C	3.85	1.48	1.39
13	dA	813	CLA	CHD-C1D	3.85	1.45	1.38
13	aJ	101	CLA	OBD-CAD	3.85	1.29	1.22
13	aA	843	CLA	CHD-C4C	3.85	1.48	1.39
13	bA	832	CLA	C1D-ND	3.85	1.42	1.37
13	aA	814	CLA	C1B-NB	-3.85	1.32	1.37
13	cB	805	CLA	C1D-ND	3.85	1.42	1.37
13	cA	838	CLA	CHD-C4C	3.85	1.48	1.39
13	bA	818	CLA	C1D-ND	3.85	1.42	1.37
13	aB	817	CLA	OBD-CAD	3.85	1.29	1.22
13	bA	811	CLA	CHC-C1C	3.85	1.46	1.38
13	aA	809	CLA	CHD-C4C	3.84	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	827	CLA	OBD-CAD	3.84	1.29	1.22
13	bA	817	CLA	CHD-C4C	3.84	1.48	1.39
13	bA	824	CLA	CHC-C1C	3.84	1.46	1.38
13	aA	803	CLA	CHD-C1D	3.84	1.45	1.38
13	aB	811	CLA	CHC-C1C	3.84	1.46	1.38
13	aA	819	CLA	CHD-C1D	3.84	1.45	1.38
13	cA	809	CLA	CHD-C4C	3.84	1.47	1.39
13	cA	843	CLA	CHD-C4C	3.84	1.47	1.39
13	dA	806	CLA	C1D-ND	3.84	1.42	1.37
13	bA	807	CLA	C4B-NB	-3.84	1.32	1.37
13	dA	839	CLA	C4B-NB	-3.84	1.32	1.37
13	aL	204	CLA	CHD-C4C	3.84	1.47	1.39
13	cK	203	CLA	C1B-NB	-3.84	1.32	1.37
13	cA	802	CLA	C3D-C2D	3.83	1.49	1.39
13	cB	817	CLA	OBD-CAD	3.83	1.29	1.22
13	dB	817	CLA	CHD-C4C	3.83	1.47	1.39
13	bA	840	CLA	C1D-ND	3.83	1.42	1.37
13	cA	814	CLA	C1B-NB	-3.83	1.32	1.37
13	aA	803	CLA	CHD-C4C	3.83	1.47	1.39
13	aA	822	CLA	CHD-C4C	3.83	1.47	1.39
15	cL	205	BCR	C30-C25	-3.83	1.48	1.53
13	aB	818	CLA	CHC-C4B	3.83	1.48	1.39
13	bB	812	CLA	C3D-C2D	3.83	1.49	1.39
13	aB	830	CLA	CHD-C4C	3.83	1.47	1.39
13	dB	812	CLA	C3D-C2D	3.83	1.49	1.39
13	bB	821	CLA	C1D-ND	3.83	1.42	1.37
13	aL	203	CLA	CHD-C4C	3.82	1.47	1.39
13	dA	824	CLA	CHC-C1C	3.82	1.46	1.38
13	dL	203	CLA	C1D-ND	3.82	1.42	1.37
13	bB	809	CLA	C1B-NB	-3.82	1.32	1.37
13	cA	814	CLA	CHD-C1D	3.82	1.45	1.38
13	dA	817	CLA	CHD-C4C	3.82	1.47	1.39
13	bB	827	CLA	OBD-CAD	3.82	1.29	1.22
13	bB	827	CLA	C3D-C2D	3.82	1.49	1.39
13	cA	822	CLA	CHD-C4C	3.82	1.47	1.39
13	cB	818	CLA	CHC-C4B	3.82	1.48	1.39
13	cA	819	CLA	CHD-C1D	3.82	1.45	1.38
13	dB	809	CLA	C1B-NB	-3.82	1.32	1.37
15	aL	205	BCR	C30-C25	-3.82	1.48	1.53
13	cA	803	CLA	CHD-C4C	3.82	1.47	1.39
13	dA	807	CLA	CHD-C1D	3.82	1.45	1.38
13	bB	807	CLA	CHD-C4C	3.82	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	804	CLA	CHD-C4C	3.82	1.47	1.39
13	cA	837	CLA	CHD-C4C	3.82	1.47	1.39
13	cB	815	CLA	OBD-CAD	3.82	1.29	1.22
13	cA	828	CLA	CHD-C1D	3.81	1.45	1.38
13	dB	807	CLA	CHD-C4C	3.81	1.47	1.39
13	cL	203	CLA	CHD-C4C	3.81	1.47	1.39
13	aA	839	CLA	C1D-ND	3.81	1.42	1.37
13	aK	203	CLA	C1B-NB	-3.81	1.32	1.37
13	cA	820	CLA	C3D-C2D	3.81	1.49	1.39
13	dA	813	CLA	CHD-C4C	3.81	1.47	1.39
13	bA	815	CLA	C4B-NB	-3.81	1.32	1.37
13	bA	825	CLA	CHD-C4C	3.81	1.47	1.39
13	dF	201	CLA	CHD-C4C	3.81	1.47	1.39
13	aA	837	CLA	CHD-C4C	3.81	1.47	1.39
13	cB	811	CLA	C3D-C2D	3.81	1.49	1.39
13	dA	818	CLA	C1D-ND	3.81	1.42	1.37
13	dA	822	CLA	C1B-NB	-3.81	1.32	1.37
13	cA	823	CLA	C3D-C2D	3.81	1.49	1.39
13	cA	813	CLA	CHD-C4C	3.81	1.47	1.39
13	dA	825	CLA	CHD-C4C	3.81	1.47	1.39
13	dB	827	CLA	C3D-C2D	3.81	1.49	1.39
13	aA	828	CLA	CHD-C1D	3.81	1.45	1.38
13	bA	839	CLA	CHD-C1D	3.81	1.45	1.38
13	aB	811	CLA	C3D-C2D	3.81	1.49	1.39
13	cA	840	CLA	CHD-C4C	3.81	1.47	1.39
13	aB	804	CLA	C1B-NB	-3.81	1.32	1.37
13	bB	829	CLA	CHD-C1D	3.81	1.45	1.38
13	aA	840	CLA	CHD-C4C	3.81	1.47	1.39
13	cB	811	CLA	CHC-C1C	3.81	1.46	1.38
13	aB	822	CLA	CHD-C4C	3.80	1.47	1.39
13	cK	201	CLA	C1B-NB	-3.80	1.32	1.37
13	bF	201	CLA	CHD-C4C	3.80	1.47	1.39
13	cB	809	CLA	CHD-C4C	3.80	1.47	1.39
13	aA	813	CLA	CHD-C4C	3.80	1.47	1.39
13	dB	821	CLA	C1D-ND	3.80	1.42	1.37
13	aB	811	CLA	C1B-NB	-3.80	1.32	1.37
13	cB	805	CLA	C1B-NB	-3.80	1.32	1.37
13	cB	822	CLA	CHD-C4C	3.80	1.47	1.39
13	cA	839	CLA	C1D-ND	3.80	1.42	1.37
13	bB	829	CLA	C4B-NB	-3.80	1.32	1.37
13	dA	815	CLA	C4B-NB	-3.80	1.32	1.37
13	aA	814	CLA	CHD-C1D	3.80	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	802	CLA	CHD-C1D	3.80	1.45	1.38
13	cB	807	CLA	C1B-NB	-3.80	1.32	1.37
13	cA	839	CLA	CHD-C1D	3.80	1.45	1.38
13	cB	808	CLA	CHD-C4C	3.80	1.47	1.39
13	bA	807	CLA	CHD-C1D	3.80	1.45	1.38
13	aA	819	CLA	C4B-NB	-3.80	1.32	1.37
13	cB	814	CLA	CHC-C4B	3.80	1.47	1.39
13	cB	814	CLA	OBD-CAD	3.80	1.29	1.22
13	bA	813	CLA	CHD-C4C	3.80	1.47	1.39
13	cB	826	CLA	CHC-C4B	3.80	1.47	1.39
13	aA	807	CLA	CHD-C4C	3.79	1.47	1.39
13	bA	822	CLA	C1B-NB	-3.79	1.32	1.37
13	cF	201	CLA	OBD-CAD	3.79	1.29	1.22
13	aB	815	CLA	OBD-CAD	3.79	1.29	1.22
13	cB	828	CLA	OBD-CAD	3.79	1.29	1.22
13	aB	809	CLA	CHD-C4C	3.79	1.47	1.39
13	cB	829	CLA	C3D-C2D	3.79	1.49	1.39
13	aA	839	CLA	CHD-C1D	3.79	1.45	1.38
13	dB	813	CLA	C1D-ND	3.79	1.42	1.37
13	bB	802	CLA	CHD-C1D	3.79	1.45	1.38
13	dA	811	CLA	CHD-C4C	3.79	1.47	1.39
13	dB	830	CLA	CHD-C4C	3.79	1.47	1.39
13	bB	832	CLA	C3D-C2D	3.79	1.49	1.39
13	dA	808	CLA	CHD-C4C	3.79	1.47	1.39
13	cB	833	CLA	CHD-C4C	3.79	1.47	1.39
13	cA	807	CLA	CHD-C4C	3.79	1.47	1.39
13	aB	805	CLA	C1D-ND	3.79	1.42	1.37
13	cA	836	CLA	CHD-C4C	3.78	1.47	1.39
13	aA	833	CLA	CHD-C4C	3.78	1.47	1.39
13	cA	833	CLA	CHD-C4C	3.78	1.47	1.39
13	cA	807	CLA	CHD-C1D	3.78	1.45	1.38
13	aB	828	CLA	C3D-C2D	3.78	1.49	1.39
13	aA	823	CLA	C3D-C2D	3.78	1.49	1.39
13	cB	830	CLA	C3D-C2D	3.78	1.49	1.39
13	dB	829	CLA	CHD-C1D	3.78	1.45	1.38
13	aB	826	CLA	CHC-C4B	3.78	1.47	1.39
13	aA	820	CLA	C3D-C2D	3.78	1.49	1.39
13	dA	804	CLA	CHD-C4C	3.78	1.47	1.39
13	bA	806	CLA	C4B-NB	-3.78	1.32	1.37
13	bA	808	CLA	CHD-C4C	3.78	1.47	1.39
13	cB	828	CLA	C3D-C2D	3.78	1.49	1.39
13	aA	807	CLA	CHD-C1D	3.78	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	826	CLA	C1D-ND	3.78	1.42	1.37
13	dA	803	CLA	C3D-C2D	3.78	1.49	1.39
13	dB	832	CLA	C3D-C2D	3.78	1.49	1.39
13	bB	830	CLA	CHD-C4C	3.78	1.47	1.39
13	aA	827	CLA	CHD-C1D	3.78	1.45	1.38
13	bA	837	CLA	CHD-C1D	3.78	1.45	1.38
13	cL	202	CLA	CHD-C4C	3.78	1.47	1.39
13	cA	835	CLA	OBD-CAD	3.77	1.29	1.22
13	dA	820	CLA	CHD-C4C	3.77	1.47	1.39
13	aB	829	CLA	C3D-C2D	3.77	1.49	1.39
13	aA	805	CLA	C1B-NB	-3.77	1.32	1.37
13	aB	814	CLA	CHC-C4B	3.77	1.47	1.39
13	aA	830	CLA	CHD-C1D	3.77	1.45	1.38
13	dB	818	CLA	CHD-C4C	3.77	1.47	1.39
13	aL	202	CLA	CHD-C4C	3.77	1.47	1.39
13	dB	822	CLA	C1B-NB	-3.77	1.32	1.37
13	bA	834	CLA	C1D-ND	3.77	1.42	1.37
13	cB	822	CLA	OBD-CAD	3.77	1.29	1.22
13	aB	833	CLA	CHD-C4C	3.77	1.47	1.39
13	bB	818	CLA	CHD-C4C	3.77	1.47	1.39
13	dA	825	CLA	CHD-C1D	3.77	1.45	1.38
13	aA	811	CLA	C1B-NB	-3.77	1.32	1.37
13	aB	805	CLA	C1B-NB	-3.77	1.32	1.37
13	aA	811	CLA	CHD-C4C	3.77	1.47	1.39
13	aB	808	CLA	CHD-C4C	3.77	1.47	1.39
13	bB	807	CLA	C4B-NB	-3.77	1.32	1.37
13	aB	828	CLA	OBD-CAD	3.77	1.29	1.22
13	aB	807	CLA	C1B-NB	-3.77	1.32	1.37
13	bA	802	CLA	C4B-NB	-3.77	1.32	1.37
13	dA	821	CLA	CHC-C1C	3.77	1.46	1.38
13	dA	837	CLA	CHD-C1D	3.77	1.45	1.38
13	bA	811	CLA	CHD-C4C	3.77	1.47	1.39
13	cB	811	CLA	C1B-NB	-3.77	1.32	1.37
13	bA	803	CLA	C3D-C2D	3.77	1.49	1.39
13	aA	826	CLA	C1B-NB	-3.77	1.32	1.37
13	aB	830	CLA	C3D-C2D	3.77	1.49	1.39
13	bA	825	CLA	CHD-C1D	3.77	1.45	1.38
13	bA	805	CLA	OBD-CAD	3.77	1.29	1.22
13	dA	805	CLA	OBD-CAD	3.77	1.29	1.22
13	cA	826	CLA	C1D-ND	3.77	1.42	1.37
13	dA	834	CLA	CHD-C4C	3.77	1.47	1.39
13	dB	820	CLA	CHC-C4B	3.77	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	814	CLA	OBD-CAD	3.77	1.29	1.22
13	aA	836	CLA	CHD-C4C	3.76	1.47	1.39
13	aB	821	CLA	CHD-C4C	3.76	1.47	1.39
13	bA	839	CLA	C1D-ND	3.76	1.42	1.37
13	aA	835	CLA	OBD-CAD	3.76	1.29	1.22
13	cB	801	CLA	C3D-C2D	3.76	1.49	1.39
13	cB	821	CLA	CHD-C4C	3.76	1.47	1.39
13	dA	839	CLA	C1D-ND	3.76	1.42	1.37
13	cB	814	CLA	CHD-C1D	3.76	1.45	1.38
13	cA	819	CLA	C4B-NB	-3.76	1.32	1.37
13	dB	807	CLA	C4B-NB	-3.76	1.32	1.37
13	dA	815	CLA	CHD-C4C	3.76	1.47	1.39
13	bB	828	CLA	CHD-C1D	3.76	1.45	1.38
13	dB	828	CLA	CHD-C1D	3.76	1.45	1.38
13	cA	810	CLA	C3D-C2D	3.76	1.49	1.39
13	bB	825	CLA	CHD-C1D	3.76	1.45	1.38
13	dB	811	CLA	C4B-NB	-3.76	1.32	1.37
13	aB	822	CLA	OBD-CAD	3.76	1.29	1.22
13	cA	811	CLA	C1B-NB	-3.76	1.32	1.37
13	aB	810	CLA	OBD-CAD	3.76	1.29	1.22
13	dA	802	CLA	C4B-NB	-3.76	1.32	1.37
13	bB	820	CLA	CHC-C4B	3.76	1.47	1.39
13	aB	801	CLA	C3D-C2D	3.76	1.49	1.39
13	bB	815	CLA	CHD-C4C	3.75	1.47	1.39
13	aF	201	CLA	OBD-CAD	3.75	1.28	1.22
13	bB	822	CLA	C1B-NB	-3.75	1.32	1.37
13	bA	835	CLA	CHD-C4C	3.75	1.47	1.39
13	aB	827	CLA	C3D-C2D	3.75	1.49	1.39
13	cB	826	CLA	C3D-C2D	3.75	1.49	1.39
13	dA	835	CLA	CHD-C4C	3.75	1.47	1.39
13	bA	815	CLA	CHD-C4C	3.75	1.47	1.39
13	dB	829	CLA	CHD-C4C	3.75	1.47	1.39
13	aA	821	CLA	CHD-C1D	3.75	1.45	1.38
13	dA	805	CLA	C1B-NB	-3.75	1.32	1.37
13	bA	821	CLA	CHC-C1C	3.75	1.46	1.38
13	dA	806	CLA	C4B-NB	-3.75	1.32	1.37
13	cB	825	CLA	C3D-C2D	3.75	1.49	1.39
13	dA	839	CLA	CHD-C1D	3.75	1.45	1.38
13	bA	834	CLA	CHD-C4C	3.75	1.47	1.39
13	bB	811	CLA	C4B-NB	-3.75	1.32	1.37
13	aL	204	CLA	C3D-C2D	3.75	1.49	1.39
13	cL	204	CLA	C3D-C2D	3.75	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	814	CLA	CHD-C1D	3.75	1.45	1.38
13	dB	820	CLA	C3D-C2D	3.75	1.49	1.39
13	cA	827	CLA	CHD-C1D	3.75	1.45	1.38
13	dA	802	CLA	C3D-C2D	3.74	1.49	1.39
13	aK	201	CLA	C1B-NB	-3.74	1.32	1.37
15	dA	850	BCR	C1-C6	-3.74	1.49	1.53
13	cB	834	CLA	C3D-C2D	3.74	1.49	1.39
13	aB	826	CLA	C3D-C2D	3.74	1.49	1.39
13	cB	810	CLA	OBD-CAD	3.74	1.28	1.22
13	dA	830	CLA	CHD-C4C	3.74	1.47	1.39
13	bA	814	CLA	C4B-NB	-3.74	1.32	1.37
13	bB	821	CLA	C1B-NB	-3.74	1.32	1.37
13	aA	828	CLA	CHD-C4C	3.74	1.47	1.39
13	aA	810	CLA	C3D-C2D	3.74	1.49	1.39
13	cB	827	CLA	C3D-C2D	3.74	1.49	1.39
13	bA	824	CLA	CHD-C1D	3.74	1.45	1.38
13	bA	830	CLA	CHD-C4C	3.74	1.47	1.39
13	aB	823	CLA	CHD-C1D	3.74	1.45	1.38
13	bA	802	CLA	C3D-C2D	3.74	1.49	1.39
13	aA	804	CLA	OBD-CAD	3.74	1.28	1.22
13	bA	820	CLA	CHD-C4C	3.74	1.47	1.39
13	dB	811	CLA	CHD-C1D	3.74	1.45	1.38
13	aB	819	CLA	C3D-C2D	3.74	1.49	1.39
13	aB	831	CLA	CHD-C4C	3.74	1.47	1.39
13	cB	831	CLA	CHD-C4C	3.74	1.47	1.39
13	bA	833	CLA	CHD-C4C	3.74	1.47	1.39
15	bA	846	BCR	C1-C6	-3.74	1.49	1.53
13	cB	823	CLA	CHD-C1D	3.73	1.45	1.38
13	bA	814	CLA	CHD-C1D	3.73	1.45	1.38
13	bB	829	CLA	CHD-C4C	3.73	1.47	1.39
13	dA	814	CLA	CHD-C1D	3.73	1.45	1.38
13	cA	811	CLA	CHD-C1D	3.73	1.45	1.38
13	cA	811	CLA	CHD-C4C	3.73	1.47	1.39
13	cB	819	CLA	C3D-C2D	3.73	1.49	1.39
13	dA	814	CLA	C4B-NB	-3.73	1.33	1.37
13	aL	203	CLA	CHD-C1D	3.73	1.45	1.38
13	dJ	101	CLA	C1B-NB	-3.73	1.33	1.37
13	dA	833	CLA	CHD-C4C	3.73	1.47	1.39
13	bB	811	CLA	CHD-C1D	3.73	1.45	1.38
13	cA	830	CLA	CHD-C1D	3.73	1.45	1.38
13	aA	802	CLA	C4B-NB	-3.73	1.33	1.37
13	aA	835	CLA	C1B-NB	-3.73	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bF	201	CLA	C1B-NB	-3.73	1.33	1.37
13	aA	832	CLA	CHD-C4C	3.73	1.47	1.39
13	bA	820	CLA	C3D-C2D	3.73	1.49	1.39
13	dB	815	CLA	CHD-C4C	3.73	1.47	1.39
13	dB	811	CLA	CHD-C4C	3.73	1.47	1.39
13	aB	808	CLA	C3D-C2D	3.72	1.49	1.39
13	cA	805	CLA	C1B-NB	-3.72	1.33	1.37
13	dA	838	CLA	CHD-C4C	3.72	1.47	1.39
13	cL	203	CLA	CHD-C1D	3.72	1.45	1.38
13	dF	201	CLA	C3D-C2D	3.72	1.49	1.39
13	aB	818	CLA	C3D-C2D	3.72	1.49	1.39
13	dA	841	CLA	C3D-C2D	3.72	1.49	1.39
13	aB	816	CLA	OBD-CAD	3.72	1.28	1.22
13	cB	816	CLA	OBD-CAD	3.72	1.28	1.22
13	cB	818	CLA	C3D-C2D	3.72	1.49	1.39
13	aA	811	CLA	CHD-C1D	3.72	1.45	1.38
13	cB	806	CLA	CHC-C4B	3.72	1.47	1.39
13	dB	821	CLA	CHD-C1D	3.72	1.45	1.38
13	cB	823	CLA	OBD-CAD	3.72	1.28	1.22
13	cK	203	CLA	CHD-C4C	3.72	1.47	1.39
13	aL	204	CLA	C3A-C2A	-3.72	1.51	1.54
13	dA	834	CLA	C1D-ND	3.72	1.42	1.37
15	bA	850	BCR	C1-C6	-3.72	1.49	1.53
13	cA	828	CLA	CHD-C4C	3.72	1.47	1.39
13	dA	820	CLA	C3D-C2D	3.72	1.49	1.39
13	bB	821	CLA	CHD-C1D	3.72	1.45	1.38
13	aB	825	CLA	C3D-C2D	3.72	1.49	1.39
13	aA	814	CLA	CHD-C4C	3.72	1.47	1.39
13	aA	817	CLA	C3D-C2D	3.72	1.49	1.39
13	dA	831	CLA	C3D-C2D	3.72	1.49	1.39
13	dA	824	CLA	CHD-C1D	3.72	1.45	1.38
13	cA	804	CLA	OBD-CAD	3.72	1.28	1.22
13	bB	811	CLA	CHD-C4C	3.72	1.47	1.39
13	bJ	101	CLA	OBD-CAD	3.72	1.28	1.22
13	cA	806	CLA	CHD-C4C	3.71	1.47	1.39
13	dA	844	CLA	CHD-C1D	3.71	1.45	1.38
13	bA	827	CLA	C1D-ND	3.71	1.42	1.37
13	cA	819	CLA	CHD-C4C	3.71	1.47	1.39
13	aB	823	CLA	OBD-CAD	3.71	1.28	1.22
13	aB	806	CLA	CHC-C4B	3.71	1.47	1.39
13	aK	203	CLA	CHD-C4C	3.71	1.47	1.39
13	bA	805	CLA	C1B-NB	-3.71	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	835	CLA	C1B-NB	-3.71	1.33	1.37
13	bB	820	CLA	C3D-C2D	3.71	1.49	1.39
13	cB	808	CLA	C3D-C2D	3.71	1.49	1.39
13	dB	825	CLA	CHD-C1D	3.71	1.45	1.38
13	cA	832	CLA	CHD-C4C	3.71	1.47	1.39
13	bA	841	CLA	C3D-C2D	3.71	1.49	1.39
13	aB	822	CLA	C3D-C2D	3.71	1.49	1.39
13	aB	834	CLA	C3D-C2D	3.71	1.49	1.39
13	bA	810	CLA	CHC-C4B	3.71	1.47	1.39
13	bA	831	CLA	C3D-C2D	3.71	1.49	1.39
13	bA	824	CLA	C1B-NB	-3.71	1.33	1.37
13	aJ	101	CLA	C3D-C2D	3.71	1.49	1.39
13	cB	834	CLA	CHC-C1C	3.71	1.45	1.38
13	aB	834	CLA	CHC-C1C	3.71	1.45	1.38
13	aK	201	CLA	C3D-C2D	3.71	1.49	1.39
13	cK	201	CLA	C3D-C2D	3.71	1.49	1.39
13	aB	825	CLA	CHC-C4B	3.71	1.47	1.39
13	cA	821	CLA	CHD-C1D	3.71	1.45	1.38
13	dA	802	CLA	O2A-CGA	3.71	1.44	1.33
13	dA	827	CLA	C4B-NB	-3.71	1.33	1.37
13	aA	816	CLA	C3D-C2D	3.70	1.49	1.39
13	cA	817	CLA	C3D-C2D	3.70	1.49	1.39
13	aB	823	CLA	C3D-C2D	3.70	1.49	1.39
13	dA	810	CLA	CHD-C4C	3.70	1.47	1.39
15	dA	846	BCR	C1-C6	-3.70	1.49	1.53
13	bA	816	CLA	C3D-C2D	3.70	1.49	1.39
13	cA	826	CLA	C1B-NB	-3.70	1.33	1.37
13	bA	838	CLA	CHD-C4C	3.70	1.47	1.39
13	dA	831	CLA	C1D-ND	3.70	1.42	1.37
13	cB	812	CLA	C1B-NB	-3.70	1.33	1.37
13	aA	816	CLA	OBD-CAD	3.70	1.28	1.22
13	cB	825	CLA	CHC-C4B	3.70	1.47	1.39
13	dA	827	CLA	C1D-ND	3.70	1.42	1.37
13	dB	825	CLA	CHC-C4B	3.70	1.47	1.39
13	bJ	101	CLA	C1B-NB	-3.70	1.33	1.37
13	cB	822	CLA	C3D-C2D	3.70	1.49	1.39
13	dA	817	CLA	OBD-CAD	3.70	1.28	1.22
13	aF	201	CLA	C3D-C2D	3.69	1.49	1.39
13	bA	810	CLA	CHD-C4C	3.69	1.47	1.39
13	cJ	101	CLA	C3D-C2D	3.69	1.49	1.39
13	bB	822	CLA	CHD-C4C	3.69	1.47	1.39
13	aB	812	CLA	C1B-NB	-3.69	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	844	CLA	CHD-C1D	3.69	1.45	1.38
13	bJ	101	CLA	C3D-C2D	3.69	1.49	1.39
13	bA	831	CLA	C1D-ND	3.69	1.42	1.37
13	cB	823	CLA	CHD-C4C	3.69	1.47	1.39
13	aA	827	CLA	CHD-C4C	3.69	1.47	1.39
13	cA	814	CLA	CHD-C4C	3.69	1.47	1.39
13	cA	827	CLA	CHD-C4C	3.69	1.47	1.39
13	dB	831	CLA	CHD-C4C	3.69	1.47	1.39
13	cB	823	CLA	C3D-C2D	3.69	1.49	1.39
13	dJ	101	CLA	OBD-CAD	3.69	1.28	1.22
13	bB	825	CLA	CHC-C4B	3.69	1.47	1.39
13	cA	802	CLA	C4B-NB	-3.69	1.33	1.37
13	cA	816	CLA	C3D-C2D	3.69	1.49	1.39
13	cA	802	CLA	CHD-C4C	3.69	1.47	1.39
13	cA	814	CLA	C4B-NB	-3.69	1.33	1.37
13	bF	201	CLA	C3D-C2D	3.69	1.49	1.39
13	dA	805	CLA	CHC-C4B	3.69	1.47	1.39
13	bB	831	CLA	CHD-C4C	3.69	1.47	1.39
13	aA	817	CLA	OBD-CAD	3.69	1.28	1.22
13	cA	817	CLA	OBD-CAD	3.69	1.28	1.22
13	bB	813	CLA	CHC-C4B	3.69	1.47	1.39
13	aA	803	CLA	C3D-C2D	3.69	1.49	1.39
13	aA	810	CLA	CHD-C4C	3.69	1.47	1.39
13	aA	806	CLA	CHD-C4C	3.68	1.47	1.39
13	bA	805	CLA	CHC-C4B	3.68	1.47	1.39
13	aA	819	CLA	CHD-C4C	3.68	1.47	1.39
13	bA	842	CLA	C1B-NB	-3.68	1.33	1.37
13	aK	204	CLA	C3D-C2D	3.68	1.49	1.39
13	cA	803	CLA	C3D-C2D	3.68	1.49	1.39
13	aA	803	CLA	C4B-NB	-3.68	1.33	1.37
13	bB	830	CLA	CHD-C1D	3.68	1.45	1.38
13	cA	816	CLA	OBD-CAD	3.68	1.28	1.22
13	dA	816	CLA	C3D-C2D	3.68	1.49	1.39
13	dJ	101	CLA	C3D-C2D	3.68	1.49	1.39
13	aA	805	CLA	OBD-CAD	3.68	1.28	1.22
13	cA	805	CLA	OBD-CAD	3.68	1.28	1.22
13	dA	824	CLA	C1B-NB	-3.68	1.33	1.37
13	aA	823	CLA	C4B-NB	-3.68	1.33	1.37
13	cA	823	CLA	C4B-NB	-3.68	1.33	1.37
13	cB	813	CLA	C3D-C2D	3.68	1.49	1.39
13	bB	823	CLA	OBD-CAD	3.68	1.28	1.22
13	bA	823	CLA	C3D-C2D	3.68	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cF	201	CLA	C3D-C2D	3.68	1.49	1.39
15	aL	201	BCR	C30-C25	-3.68	1.49	1.53
15	cL	201	BCR	C30-C25	-3.68	1.49	1.53
13	cL	203	CLA	C3D-C2D	3.68	1.49	1.39
13	aB	823	CLA	CHD-C4C	3.68	1.47	1.39
13	cA	810	CLA	CHD-C4C	3.68	1.47	1.39
13	aL	203	CLA	C3D-C2D	3.68	1.49	1.39
13	dB	819	CLA	C3D-C2D	3.68	1.49	1.39
13	dA	816	CLA	CHD-C4C	3.68	1.47	1.39
13	aA	814	CLA	C4B-NB	-3.68	1.33	1.37
15	dA	847	BCR	C1-C6	-3.68	1.49	1.53
13	dB	807	CLA	C1B-NB	-3.68	1.33	1.37
13	aA	831	CLA	CHD-C1D	3.68	1.45	1.38
13	bA	802	CLA	O2A-CGA	3.68	1.44	1.33
13	dB	822	CLA	CHD-C4C	3.67	1.47	1.39
13	aB	813	CLA	C3D-C2D	3.67	1.49	1.39
13	cK	204	CLA	C3D-C2D	3.67	1.49	1.39
13	aA	821	CLA	OBD-CAD	3.67	1.28	1.22
13	dA	842	CLA	C1B-NB	-3.67	1.33	1.37
13	dA	810	CLA	CHC-C4B	3.67	1.47	1.39
13	aA	811	CLA	C3D-C2D	3.67	1.49	1.39
13	cA	811	CLA	C3D-C2D	3.67	1.49	1.39
13	bA	816	CLA	CHD-C4C	3.67	1.47	1.39
13	dA	806	CLA	CHD-C1D	3.67	1.45	1.38
13	aB	819	CLA	C1B-NB	-3.67	1.33	1.37
13	aK	204	CLA	C1B-NB	-3.67	1.33	1.37
13	bB	807	CLA	C1B-NB	-3.67	1.33	1.37
13	bA	803	CLA	CHD-C1D	3.67	1.45	1.38
13	cB	812	CLA	CHC-C4B	3.67	1.47	1.39
13	dA	814	CLA	CHD-C4C	3.67	1.47	1.39
13	bA	822	CLA	CHD-C4C	3.67	1.47	1.39
13	cA	824	CLA	CHD-C4C	3.67	1.47	1.39
13	bA	819	CLA	C4B-NB	-3.67	1.33	1.37
13	cK	204	CLA	C1B-NB	-3.67	1.33	1.37
13	aA	824	CLA	CHD-C4C	3.67	1.47	1.39
13	dB	821	CLA	C1B-NB	-3.67	1.33	1.37
13	dB	823	CLA	OBD-CAD	3.67	1.28	1.22
13	aA	833	CLA	C3D-C2D	3.66	1.49	1.39
13	bA	827	CLA	C4B-NB	-3.66	1.33	1.37
13	cA	821	CLA	OBD-CAD	3.66	1.28	1.22
13	dB	813	CLA	CHC-C4B	3.66	1.47	1.39
13	dA	823	CLA	C3D-C2D	3.66	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	803	CLA	C4B-NB	-3.66	1.33	1.37
13	dA	819	CLA	C4B-NB	-3.66	1.33	1.37
13	bA	814	CLA	CHD-C4C	3.66	1.47	1.39
13	bB	815	CLA	OBD-CAD	3.66	1.28	1.22
13	dB	807	CLA	C3D-C2D	3.66	1.49	1.39
13	aB	825	CLA	CHD-C1D	3.66	1.45	1.38
13	dB	823	CLA	CHD-C1D	3.66	1.45	1.38
13	dB	821	CLA	CHD-C4C	3.66	1.47	1.39
13	cA	831	CLA	CHD-C1D	3.66	1.45	1.38
13	aL	202	CLA	C3D-C2D	3.66	1.49	1.39
13	bB	819	CLA	C3D-C2D	3.66	1.49	1.39
13	cL	202	CLA	C3D-C2D	3.66	1.49	1.39
13	dB	825	CLA	OBD-CAD	3.66	1.28	1.22
13	bA	831	CLA	CHD-C4C	3.66	1.47	1.39
13	cA	831	CLA	C3D-C2D	3.66	1.49	1.39
13	dF	201	CLA	C1B-NB	-3.66	1.33	1.37
13	dB	805	CLA	CHD-C4C	3.66	1.47	1.39
13	dA	822	CLA	CHD-C4C	3.66	1.47	1.39
13	cB	825	CLA	CHD-C1D	3.66	1.45	1.38
13	cL	204	CLA	C3A-C2A	-3.66	1.51	1.54
13	cB	805	CLA	C4B-NB	-3.66	1.33	1.37
13	aA	835	CLA	C3D-C2D	3.66	1.49	1.39
13	aA	802	CLA	CHD-C4C	3.66	1.47	1.39
13	dA	831	CLA	CHD-C4C	3.66	1.47	1.39
13	cB	819	CLA	C1B-NB	-3.65	1.33	1.37
13	cB	810	CLA	C3D-C2D	3.65	1.49	1.39
13	bB	823	CLA	CHD-C1D	3.65	1.45	1.38
13	aB	817	CLA	CHC-C4B	3.65	1.47	1.39
13	bB	821	CLA	CHD-C4C	3.65	1.47	1.39
13	bB	810	CLA	O2A-CGA	3.65	1.44	1.33
15	dL	201	BCR	C1-C6	-3.65	1.49	1.53
13	aB	803	CLA	CHD-C4C	3.65	1.47	1.39
13	bB	826	CLA	C4B-NB	-3.65	1.33	1.37
13	cA	835	CLA	C3D-C2D	3.65	1.48	1.39
15	bA	847	BCR	C1-C6	-3.65	1.49	1.53
13	aA	817	CLA	CHC-C4B	3.65	1.47	1.39
13	bA	833	CLA	C4B-NB	-3.65	1.33	1.37
13	cA	812	CLA	C1B-NB	-3.65	1.33	1.37
15	cA	845	BCR	C1-C6	-3.65	1.49	1.53
13	aB	810	CLA	C3D-C2D	3.65	1.48	1.39
13	aA	831	CLA	C3D-C2D	3.65	1.48	1.39
13	bA	809	CLA	CHD-C1D	3.65	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aL	202	CLA	OBD-CAD	3.65	1.28	1.22
13	bA	817	CLA	OBD-CAD	3.65	1.28	1.22
13	bA	804	CLA	C1B-NB	-3.65	1.33	1.37
13	dB	815	CLA	OBD-CAD	3.64	1.28	1.22
13	aA	833	CLA	C4B-NB	-3.64	1.33	1.37
13	cA	833	CLA	C4B-NB	-3.64	1.33	1.37
13	aB	801	CLA	CHB-C1B	3.64	1.47	1.39
13	aB	825	CLA	OBD-CAD	3.64	1.28	1.22
13	dA	803	CLA	CHD-C1D	3.64	1.45	1.38
13	cA	817	CLA	CHC-C4B	3.64	1.47	1.39
13	cB	803	CLA	CHD-C4C	3.64	1.47	1.39
13	dB	830	CLA	C1B-NB	-3.64	1.33	1.37
13	dA	809	CLA	CHD-C1D	3.64	1.45	1.38
13	cA	833	CLA	C3D-C2D	3.64	1.48	1.39
13	cL	203	CLA	OBD-CAD	3.64	1.28	1.22
13	cB	801	CLA	CHB-C1B	3.64	1.47	1.39
13	aB	805	CLA	C4B-NB	-3.64	1.33	1.37
13	cA	837	CLA	OBD-CAD	3.64	1.28	1.22
13	dF	201	CLA	OBD-CAD	3.64	1.28	1.22
13	bB	825	CLA	OBD-CAD	3.64	1.28	1.22
13	bA	825	CLA	C1D-ND	3.64	1.42	1.37
15	dB	836	BCR	C1-C6	-3.64	1.49	1.53
13	bB	807	CLA	C3D-C2D	3.64	1.48	1.39
13	dB	826	CLA	C4B-NB	-3.64	1.33	1.37
13	dA	844	CLA	OBD-CAD	3.64	1.28	1.22
13	aB	812	CLA	CHC-C4B	3.64	1.47	1.39
13	bB	802	CLA	C1B-NB	-3.64	1.33	1.37
15	bL	201	BCR	C30-C25	-3.63	1.49	1.53
13	bB	831	CLA	C4B-NB	-3.63	1.33	1.37
13	bA	844	CLA	OBD-CAD	3.63	1.28	1.22
13	cB	814	CLA	C3D-C2D	3.63	1.48	1.39
13	dA	836	CLA	C3D-C2D	3.63	1.48	1.39
13	bB	830	CLA	C1B-NB	-3.63	1.33	1.37
13	dA	842	CLA	C4B-NB	-3.63	1.33	1.37
13	dA	833	CLA	CHC-C4B	3.63	1.47	1.39
12	aA	801	CL0	CHB-C1B	3.63	1.45	1.39
12	cA	801	CL0	CHB-C1B	3.63	1.45	1.39
13	aB	830	CLA	C1B-NB	-3.63	1.33	1.37
13	aB	814	CLA	C3D-C2D	3.63	1.48	1.39
13	bA	836	CLA	C3D-C2D	3.63	1.48	1.39
13	bA	811	CLA	OBD-CAD	3.63	1.28	1.22
13	dB	810	CLA	O2A-CGA	3.63	1.43	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	833	CLA	C4B-NB	-3.63	1.33	1.37
13	bB	805	CLA	CHD-C4C	3.63	1.47	1.39
13	aB	826	CLA	OBD-CAD	3.63	1.28	1.22
13	dB	830	CLA	CHD-C1D	3.63	1.45	1.38
15	aA	845	BCR	C1-C6	-3.63	1.49	1.53
13	aB	834	CLA	C1B-NB	-3.63	1.33	1.37
13	aL	204	CLA	C1B-NB	-3.63	1.33	1.37
13	cB	834	CLA	C1B-NB	-3.63	1.33	1.37
13	cL	204	CLA	C1B-NB	-3.63	1.33	1.37
13	dA	827	CLA	CHD-C1D	3.63	1.45	1.38
13	bA	806	CLA	CHD-C1D	3.63	1.45	1.38
13	dB	815	CLA	C4B-NB	-3.63	1.33	1.37
13	cB	826	CLA	OBD-CAD	3.62	1.28	1.22
13	bF	201	CLA	OBD-CAD	3.62	1.28	1.22
13	cA	826	CLA	CHD-C1D	3.62	1.45	1.38
13	dA	804	CLA	C3D-C2D	3.62	1.48	1.39
13	cL	202	CLA	OBD-CAD	3.62	1.28	1.22
13	aA	826	CLA	CHC-C4B	3.62	1.47	1.39
13	aB	803	CLA	CHB-C1B	3.62	1.47	1.39
13	cA	826	CLA	CHC-C4B	3.62	1.47	1.39
13	bB	805	CLA	C1B-NB	-3.62	1.33	1.37
13	cB	830	CLA	C1B-NB	-3.62	1.33	1.37
13	bJ	101	CLA	CHC-C4B	3.62	1.47	1.39
13	bA	802	CLA	C1D-ND	3.62	1.42	1.37
13	cB	803	CLA	CHB-C1B	3.62	1.47	1.39
13	dB	802	CLA	CHB-C1B	3.62	1.47	1.39
13	dA	802	CLA	C1D-ND	3.62	1.42	1.37
13	dB	802	CLA	C1B-NB	-3.62	1.33	1.37
13	aA	805	CLA	CHC-C4B	3.62	1.47	1.39
13	bA	825	CLA	C3D-C2D	3.62	1.48	1.39
13	cA	815	CLA	C4B-NB	-3.62	1.33	1.37
13	bA	804	CLA	C3D-C2D	3.62	1.48	1.39
13	bB	815	CLA	C3D-C2D	3.62	1.48	1.39
13	cB	833	CLA	C3D-C2D	3.62	1.48	1.39
13	bA	838	CLA	CHC-C1C	3.62	1.45	1.38
13	aL	203	CLA	OBD-CAD	3.62	1.28	1.22
13	aB	811	CLA	CHB-C1B	3.62	1.47	1.39
13	cB	817	CLA	CHC-C4B	3.62	1.47	1.39
13	dB	831	CLA	C4B-NB	-3.62	1.33	1.37
13	aL	203	CLA	C1B-NB	-3.61	1.33	1.37
13	dA	804	CLA	C1B-NB	-3.61	1.33	1.37
13	bA	832	CLA	C3D-C2D	3.61	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	837	CLA	OBD-CAD	3.61	1.28	1.22
13	bB	802	CLA	CHB-C1B	3.61	1.47	1.39
13	aB	817	CLA	C3D-C2D	3.61	1.48	1.39
13	bA	802	CLA	CHD-C4C	3.61	1.47	1.39
13	bL	203	CLA	CHD-C4C	3.61	1.47	1.39
13	aA	819	CLA	CHC-C4B	3.61	1.47	1.39
13	cA	819	CLA	CHC-C4B	3.61	1.47	1.39
13	bA	832	CLA	CHD-C4C	3.61	1.47	1.39
13	cB	821	CLA	C1B-NB	-3.61	1.33	1.37
13	cA	805	CLA	C3D-C2D	3.61	1.48	1.39
13	cB	817	CLA	C3D-C2D	3.61	1.48	1.39
13	aA	815	CLA	C4B-NB	-3.61	1.33	1.37
13	bA	815	CLA	C1B-NB	-3.61	1.33	1.37
13	bA	812	CLA	C1B-NB	-3.61	1.33	1.37
13	dA	825	CLA	C1D-ND	3.61	1.42	1.37
13	cB	832	CLA	CHC-C4B	3.61	1.47	1.39
13	cB	806	CLA	OBD-CAD	3.61	1.28	1.22
13	bB	815	CLA	C4B-NB	-3.61	1.33	1.37
13	dB	815	CLA	C3D-C2D	3.61	1.48	1.39
13	aL	204	CLA	OBD-CAD	3.61	1.28	1.22
13	bB	802	CLA	CHD-C4C	3.61	1.47	1.39
13	bA	827	CLA	CHD-C1D	3.61	1.45	1.38
13	dA	824	CLA	C3D-C2D	3.61	1.48	1.39
13	dA	832	CLA	C3D-C2D	3.61	1.48	1.39
13	aA	812	CLA	C1B-NB	-3.61	1.33	1.37
13	dB	823	CLA	CHD-C4C	3.61	1.47	1.39
13	bA	833	CLA	CHC-C4B	3.61	1.47	1.39
13	dA	811	CLA	OBD-CAD	3.60	1.28	1.22
13	aB	808	CLA	CHC-C4B	3.60	1.47	1.39
13	cB	811	CLA	CHB-C1B	3.60	1.47	1.39
13	aA	805	CLA	C3D-C2D	3.60	1.48	1.39
13	bB	813	CLA	CHD-C4C	3.60	1.47	1.39
13	aB	833	CLA	C3D-C2D	3.60	1.48	1.39
13	aA	826	CLA	CHD-C1D	3.60	1.45	1.38
13	dA	838	CLA	CHC-C1C	3.60	1.45	1.38
13	dB	805	CLA	C1B-NB	-3.60	1.33	1.37
13	cA	841	CLA	C3D-C2D	3.60	1.48	1.39
13	aB	806	CLA	OBD-CAD	3.60	1.28	1.22
13	dB	826	CLA	OBD-CAD	3.60	1.28	1.22
13	dA	825	CLA	C3D-C2D	3.60	1.48	1.39
15	bL	201	BCR	C1-C6	-3.60	1.49	1.53
13	aB	801	CLA	C1B-NB	-3.60	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	814	CLA	C1B-NB	-3.60	1.33	1.37
13	dA	821	CLA	C3D-C2D	3.60	1.48	1.39
13	bA	814	CLA	OBD-CAD	3.60	1.28	1.22
13	bB	826	CLA	OBD-CAD	3.60	1.28	1.22
13	aB	821	CLA	C1B-NB	-3.60	1.33	1.37
13	bA	842	CLA	C4B-NB	-3.60	1.33	1.37
13	dA	839	CLA	CHD-C4C	3.60	1.47	1.39
13	bA	819	CLA	C1B-NB	-3.60	1.33	1.37
13	cB	809	CLA	CHC-C4B	3.60	1.47	1.39
13	dA	802	CLA	CHD-C4C	3.60	1.47	1.39
13	aA	837	CLA	C3D-C2D	3.60	1.48	1.39
13	dB	812	CLA	OBD-CAD	3.60	1.28	1.22
15	aA	848	BCR	C1-C6	-3.60	1.49	1.53
13	bB	814	CLA	C1B-NB	-3.60	1.33	1.37
13	bA	827	CLA	CHD-C4C	3.60	1.47	1.39
13	cA	829	CLA	C1B-NB	-3.59	1.33	1.37
13	dA	820	CLA	C4B-NB	-3.59	1.33	1.37
13	dB	813	CLA	CHD-C4C	3.59	1.47	1.39
13	bA	824	CLA	C3D-C2D	3.59	1.48	1.39
13	aB	832	CLA	CHC-C4B	3.59	1.47	1.39
13	cA	828	CLA	CHC-C4B	3.59	1.47	1.39
13	aA	841	CLA	C3D-C2D	3.59	1.48	1.39
13	bA	819	CLA	CHD-C4C	3.59	1.47	1.39
13	dL	203	CLA	CHD-C4C	3.59	1.47	1.39
13	bB	823	CLA	CHD-C4C	3.59	1.47	1.39
13	cB	808	CLA	CHC-C4B	3.59	1.47	1.39
13	aA	833	CLA	OBD-CAD	3.59	1.28	1.22
13	cA	833	CLA	OBD-CAD	3.59	1.28	1.22
13	cA	805	CLA	CHC-C4B	3.59	1.47	1.39
13	dJ	101	CLA	CHC-C4B	3.59	1.47	1.39
13	aA	808	CLA	C3D-C2D	3.59	1.48	1.39
13	bA	820	CLA	C4B-NB	-3.59	1.33	1.37
13	bB	812	CLA	OBD-CAD	3.59	1.28	1.22
13	dA	832	CLA	CHD-C4C	3.59	1.47	1.39
13	bB	832	CLA	CHC-C1C	3.59	1.45	1.38
13	bB	828	CLA	CHD-C4C	3.59	1.47	1.39
13	dA	827	CLA	CHD-C4C	3.59	1.47	1.39
13	dB	802	CLA	CHD-C4C	3.59	1.47	1.39
13	dA	843	CLA	CHD-C4C	3.59	1.47	1.39
13	cB	825	CLA	OBD-CAD	3.59	1.28	1.22
13	dB	832	CLA	CHC-C1C	3.59	1.45	1.38
13	aA	816	CLA	CHC-C4B	3.59	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	832	CLA	C3D-C2D	3.59	1.48	1.39
13	aB	820	CLA	OBD-CAD	3.59	1.28	1.22
13	cB	820	CLA	OBD-CAD	3.59	1.28	1.22
13	dB	828	CLA	CHD-C4C	3.58	1.47	1.39
13	aB	831	CLA	C1B-NB	-3.58	1.33	1.37
13	dA	812	CLA	C1B-NB	-3.58	1.33	1.37
13	bB	829	CLA	C1B-NB	-3.58	1.33	1.37
13	dB	809	CLA	CHC-C4B	3.58	1.47	1.39
13	dA	819	CLA	CHD-C4C	3.58	1.47	1.39
13	dA	815	CLA	C1B-NB	-3.58	1.33	1.37
13	bA	843	CLA	CHD-C4C	3.58	1.47	1.39
13	cL	204	CLA	OBD-CAD	3.58	1.28	1.22
15	bB	836	BCR	C1-C6	-3.58	1.49	1.53
13	cB	803	CLA	OBD-CAD	3.58	1.28	1.22
13	aA	829	CLA	C1B-NB	-3.58	1.33	1.37
13	bA	836	CLA	CHD-C4C	3.58	1.47	1.39
13	bB	809	CLA	CHC-C4B	3.58	1.47	1.39
13	cA	829	CLA	CHD-C1D	3.58	1.45	1.38
13	bB	809	CLA	CHD-C4C	3.58	1.47	1.39
13	cA	816	CLA	CHC-C4B	3.58	1.47	1.39
13	bL	202	CLA	C3D-C2D	3.58	1.48	1.39
13	aA	829	CLA	CHD-C1D	3.58	1.45	1.38
13	bA	821	CLA	C4B-NB	-3.58	1.33	1.37
13	cL	203	CLA	C1B-NB	-3.58	1.33	1.37
13	aA	823	CLA	OBD-CAD	3.58	1.28	1.22
13	aB	818	CLA	OBD-CAD	3.58	1.28	1.22
13	bA	821	CLA	C3D-C2D	3.58	1.48	1.39
13	bA	839	CLA	CHD-C4C	3.58	1.47	1.39
13	cA	837	CLA	C3D-C2D	3.58	1.48	1.39
13	dA	841	CLA	OBD-CAD	3.58	1.28	1.22
13	aA	810	CLA	C1B-NB	-3.58	1.33	1.37
15	dL	201	BCR	C30-C25	-3.58	1.49	1.53
13	cB	831	CLA	C3D-C2D	3.58	1.48	1.39
13	aA	828	CLA	CHC-C4B	3.58	1.47	1.39
13	dA	814	CLA	OBD-CAD	3.58	1.28	1.22
13	bA	817	CLA	C3D-C2D	3.58	1.48	1.39
13	aB	831	CLA	C3D-C2D	3.57	1.48	1.39
13	cB	833	CLA	C1B-NB	-3.57	1.33	1.37
13	bA	841	CLA	OBD-CAD	3.57	1.28	1.22
13	cA	808	CLA	C3D-C2D	3.57	1.48	1.39
13	bL	202	CLA	CHD-C4C	3.57	1.47	1.39
13	dA	811	CLA	C3D-C2D	3.57	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	809	CLA	CHC-C4B	3.57	1.47	1.39
13	dB	808	CLA	CHD-C4C	3.57	1.47	1.39
13	cB	832	CLA	C3D-C2D	3.57	1.48	1.39
13	aA	842	CLA	OBD-CAD	3.57	1.28	1.22
13	cA	842	CLA	OBD-CAD	3.57	1.28	1.22
13	dL	202	CLA	C3D-C2D	3.57	1.48	1.39
15	cM	101	BCR	C1-C6	-3.57	1.49	1.53
13	aA	839	CLA	CHD-C4C	3.57	1.47	1.39
13	dB	829	CLA	C1B-NB	-3.57	1.33	1.37
13	dL	203	CLA	C4B-NB	-3.57	1.33	1.37
13	cA	843	CLA	C3D-C2D	3.57	1.48	1.39
13	bB	808	CLA	CHD-C4C	3.57	1.47	1.39
13	bA	842	CLA	CHD-C4C	3.57	1.47	1.39
13	cA	810	CLA	OBD-CAD	3.57	1.28	1.22
13	bB	810	CLA	CHD-C4C	3.57	1.47	1.39
13	dB	810	CLA	CHD-C4C	3.57	1.47	1.39
13	aA	829	CLA	CHD-C4C	3.57	1.47	1.39
13	bB	817	CLA	CHC-C4B	3.57	1.47	1.39
15	cA	848	BCR	C1-C6	-3.57	1.49	1.53
13	dA	836	CLA	CHD-C4C	3.57	1.47	1.39
13	bA	808	CLA	C4B-NB	-3.57	1.33	1.37
13	dL	202	CLA	CHD-C4C	3.57	1.47	1.39
13	bB	818	CLA	CHC-C4B	3.57	1.47	1.39
13	aB	809	CLA	OBD-CAD	3.56	1.28	1.22
13	cB	809	CLA	OBD-CAD	3.56	1.28	1.22
13	cA	839	CLA	CHD-C4C	3.56	1.47	1.39
13	dA	824	CLA	CHD-C4C	3.56	1.47	1.39
13	aK	203	CLA	C3D-C2D	3.56	1.48	1.39
13	cK	203	CLA	C3D-C2D	3.56	1.48	1.39
13	bA	811	CLA	C3D-C2D	3.56	1.48	1.39
13	aA	811	CLA	OBD-CAD	3.56	1.28	1.22
13	bB	819	CLA	OBD-CAD	3.56	1.28	1.22
13	dB	819	CLA	OBD-CAD	3.56	1.28	1.22
13	cA	834	CLA	C1B-NB	-3.56	1.33	1.37
13	dA	823	CLA	CHD-C4C	3.56	1.47	1.39
13	aK	201	CLA	C4B-NB	-3.56	1.33	1.37
13	bA	823	CLA	CHD-C4C	3.56	1.47	1.39
13	dB	818	CLA	CHC-C4B	3.56	1.47	1.39
13	dA	817	CLA	C3D-C2D	3.56	1.48	1.39
13	bA	818	CLA	C3D-C2D	3.56	1.48	1.39
13	aB	833	CLA	C1B-NB	-3.56	1.33	1.37
13	aB	803	CLA	OBD-CAD	3.56	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	818	CLA	OBD-CAD	3.56	1.28	1.22
13	dB	822	CLA	OBD-CAD	3.56	1.28	1.22
13	bA	809	CLA	CHD-C4C	3.56	1.47	1.39
13	dB	809	CLA	CHD-C4C	3.56	1.47	1.39
13	cB	831	CLA	CHC-C4B	3.56	1.47	1.39
13	cB	831	CLA	C1B-NB	-3.56	1.33	1.37
13	bB	824	CLA	C3D-C2D	3.56	1.48	1.39
13	dA	808	CLA	C3D-C2D	3.56	1.48	1.39
13	bA	810	CLA	OBD-CAD	3.56	1.28	1.22
15	aM	101	BCR	C1-C6	-3.56	1.49	1.53
13	bA	837	CLA	CHC-C4B	3.55	1.47	1.39
13	cA	813	CLA	OBD-CAD	3.55	1.28	1.22
13	aA	824	CLA	C3D-C2D	3.55	1.48	1.39
13	aA	843	CLA	C3D-C2D	3.55	1.48	1.39
13	bB	806	CLA	C1B-NB	-3.55	1.33	1.37
13	dA	819	CLA	C1B-NB	-3.55	1.33	1.37
13	dB	806	CLA	C1B-NB	-3.55	1.33	1.37
13	dA	809	CLA	CHD-C4C	3.55	1.47	1.39
13	dB	818	CLA	OBD-CAD	3.55	1.28	1.22
13	dA	836	CLA	C4B-NB	-3.55	1.33	1.37
13	dB	828	CLA	C4B-NB	-3.55	1.33	1.37
13	cA	824	CLA	C3D-C2D	3.55	1.48	1.39
13	dL	202	CLA	CHD-C1D	3.55	1.45	1.38
13	dL	203	CLA	CHC-C4B	3.55	1.47	1.39
13	bB	822	CLA	OBD-CAD	3.55	1.28	1.22
13	bB	820	CLA	C1B-NB	-3.55	1.33	1.37
13	bB	828	CLA	C4B-NB	-3.55	1.33	1.37
13	bA	840	CLA	CHC-C1C	3.55	1.45	1.38
13	dA	840	CLA	CHC-C1C	3.55	1.45	1.38
13	aB	831	CLA	CHB-C1B	3.55	1.47	1.39
13	aA	810	CLA	OBD-CAD	3.55	1.28	1.22
13	cA	843	CLA	OBD-CAD	3.55	1.28	1.22
13	dB	824	CLA	OBD-CAD	3.55	1.28	1.22
13	cK	201	CLA	C4B-NB	-3.55	1.33	1.37
13	aB	831	CLA	CHC-C4B	3.55	1.47	1.39
13	cB	801	CLA	C1B-NB	-3.55	1.33	1.37
13	cF	201	CLA	CHC-C4B	3.55	1.47	1.39
13	aA	813	CLA	OBD-CAD	3.55	1.28	1.22
13	cB	820	CLA	C3D-C2D	3.55	1.48	1.39
13	bB	827	CLA	CHC-C4B	3.54	1.47	1.39
13	bA	808	CLA	C3D-C2D	3.54	1.48	1.39
13	cA	810	CLA	C1B-NB	-3.54	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	818	CLA	C3D-C2D	3.54	1.48	1.39
13	dB	827	CLA	CHC-C4B	3.54	1.47	1.39
13	cA	829	CLA	CHD-C4C	3.54	1.47	1.39
13	bB	812	CLA	CHC-C4B	3.54	1.47	1.39
13	dB	812	CLA	CHC-C4B	3.54	1.47	1.39
13	aA	834	CLA	C1B-NB	-3.54	1.33	1.37
13	bA	831	CLA	CHD-C1D	3.54	1.45	1.38
13	aB	820	CLA	C3D-C2D	3.54	1.48	1.39
13	aA	813	CLA	C3D-C2D	3.54	1.48	1.39
13	dB	824	CLA	C3D-C2D	3.54	1.48	1.39
13	bL	203	CLA	CHC-C4B	3.54	1.47	1.39
13	cA	815	CLA	OBD-CAD	3.54	1.28	1.22
13	aA	804	CLA	C3D-C2D	3.54	1.48	1.39
13	aA	822	CLA	CHC-C4B	3.54	1.47	1.39
13	aA	829	CLA	CHC-C4B	3.54	1.47	1.39
13	bA	803	CLA	C1D-ND	3.54	1.42	1.37
13	dA	837	CLA	CHC-C4B	3.54	1.47	1.39
13	aA	818	CLA	C3D-C2D	3.54	1.48	1.39
13	cA	829	CLA	CHC-C4B	3.54	1.47	1.39
13	aB	807	CLA	OBD-CAD	3.54	1.28	1.22
13	dB	808	CLA	C3D-C2D	3.54	1.48	1.39
13	bB	824	CLA	OBD-CAD	3.54	1.28	1.22
13	cB	818	CLA	OBD-CAD	3.54	1.28	1.22
13	aA	809	CLA	C3D-C2D	3.54	1.48	1.39
13	dA	828	CLA	C4B-NB	-3.54	1.33	1.37
13	aA	836	CLA	C3D-C2D	3.54	1.48	1.39
13	bA	812	CLA	OBD-CAD	3.54	1.28	1.22
13	dA	803	CLA	C1D-ND	3.54	1.42	1.37
13	bA	824	CLA	CHD-C4C	3.54	1.47	1.39
13	aJ	101	CLA	CHC-C4B	3.54	1.47	1.39
13	bL	202	CLA	CHD-C1D	3.54	1.45	1.38
13	dA	834	CLA	C3D-C2D	3.53	1.48	1.39
13	cA	826	CLA	OBD-CAD	3.53	1.28	1.22
13	dA	812	CLA	OBD-CAD	3.53	1.28	1.22
13	aB	815	CLA	CHC-C4B	3.53	1.47	1.39
13	aF	201	CLA	CHC-C4B	3.53	1.47	1.39
13	dB	830	CLA	C3D-C2D	3.53	1.48	1.39
13	bA	828	CLA	CHC-C4B	3.53	1.47	1.39
13	cA	804	CLA	C3D-C2D	3.53	1.48	1.39
13	bL	203	CLA	C4B-NB	-3.53	1.33	1.37
13	cA	818	CLA	C3D-C2D	3.53	1.48	1.39
13	dA	842	CLA	CHD-C4C	3.53	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	842	CLA	C3D-C2D	3.53	1.48	1.39
13	dB	817	CLA	CHC-C4B	3.53	1.47	1.39
13	aA	826	CLA	OBD-CAD	3.53	1.28	1.22
13	cB	815	CLA	CHC-C4B	3.53	1.47	1.39
13	cA	823	CLA	OBD-CAD	3.53	1.28	1.22
13	bB	808	CLA	C3D-C2D	3.53	1.48	1.39
13	aA	830	CLA	OBD-CAD	3.53	1.28	1.22
13	aB	824	CLA	OBD-CAD	3.53	1.28	1.22
13	dA	819	CLA	C3D-C2D	3.53	1.48	1.39
13	dB	818	CLA	C3D-C2D	3.53	1.48	1.39
13	cJ	101	CLA	CHC-C4B	3.53	1.47	1.39
13	cA	809	CLA	C3D-C2D	3.52	1.48	1.39
13	cB	807	CLA	OBD-CAD	3.52	1.28	1.22
13	cA	822	CLA	CHC-C4B	3.52	1.47	1.39
13	cB	804	CLA	CHD-C1D	3.52	1.45	1.38
13	dA	831	CLA	CHD-C1D	3.52	1.45	1.38
13	aA	815	CLA	OBD-CAD	3.52	1.28	1.22
13	dB	820	CLA	OBD-CAD	3.52	1.28	1.22
13	bA	836	CLA	C4B-NB	-3.52	1.33	1.37
13	aA	809	CLA	C1B-NB	-3.52	1.33	1.37
13	bB	810	CLA	C4B-NB	-3.52	1.33	1.37
13	cA	836	CLA	C3D-C2D	3.52	1.48	1.39
13	bL	202	CLA	C1D-ND	3.52	1.42	1.37
13	aA	821	CLA	CHB-C1B	3.52	1.47	1.39
13	cA	821	CLA	CHB-C1B	3.52	1.47	1.39
13	aA	804	CLA	CHC-C4B	3.52	1.47	1.39
13	cA	804	CLA	CHC-C4B	3.52	1.47	1.39
13	cA	825	CLA	C3D-C2D	3.52	1.48	1.39
13	cB	821	CLA	C3D-C2D	3.52	1.48	1.39
13	bB	820	CLA	OBD-CAD	3.52	1.28	1.22
13	dA	818	CLA	CHD-C4C	3.52	1.47	1.39
13	cJ	101	CLA	C1B-NB	-3.52	1.33	1.37
13	dA	808	CLA	C4B-NB	-3.52	1.33	1.37
13	bA	819	CLA	C3D-C2D	3.52	1.48	1.39
13	bA	834	CLA	C3D-C2D	3.52	1.48	1.39
13	cA	809	CLA	C1B-NB	-3.52	1.33	1.37
13	cA	818	CLA	C1B-NB	-3.52	1.33	1.37
13	aA	832	CLA	CHC-C4B	3.52	1.47	1.39
13	aA	816	CLA	C1B-NB	-3.52	1.33	1.37
13	aA	832	CLA	C4B-NB	-3.52	1.33	1.37
13	cA	832	CLA	C4B-NB	-3.52	1.33	1.37
13	dA	807	CLA	CHD-C4C	3.52	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	803	CLA	CHD-C1D	3.52	1.45	1.38
13	dB	810	CLA	C4B-NB	-3.52	1.33	1.37
13	bA	829	CLA	C3D-C2D	3.51	1.48	1.39
13	bB	821	CLA	CHC-C4B	3.51	1.47	1.39
13	dB	821	CLA	CHC-C4B	3.51	1.47	1.39
13	bA	807	CLA	CHD-C4C	3.51	1.47	1.39
13	bA	818	CLA	CHD-C4C	3.51	1.47	1.39
13	bA	841	CLA	CHC-C4B	3.51	1.47	1.39
13	cA	816	CLA	C1B-NB	-3.51	1.33	1.37
13	dA	810	CLA	OBD-CAD	3.51	1.28	1.22
13	cA	811	CLA	OBD-CAD	3.51	1.28	1.22
13	aA	825	CLA	C3D-C2D	3.51	1.48	1.39
13	dA	821	CLA	C4B-NB	-3.51	1.33	1.37
13	dB	820	CLA	C1B-NB	-3.51	1.33	1.37
13	aA	841	CLA	OBD-CAD	3.51	1.28	1.22
13	aJ	101	CLA	C1B-NB	-3.51	1.33	1.37
13	aB	821	CLA	C3D-C2D	3.51	1.48	1.39
13	bB	809	CLA	CHD-C1D	3.51	1.45	1.38
13	cA	813	CLA	C3D-C2D	3.51	1.48	1.39
13	cB	831	CLA	CHB-C1B	3.51	1.47	1.39
13	dF	204	CLA	OBD-CAD	3.51	1.28	1.22
13	bB	830	CLA	C3D-C2D	3.51	1.48	1.39
13	aB	804	CLA	CHD-C1D	3.51	1.45	1.38
13	aA	825	CLA	C4B-NB	-3.51	1.33	1.37
13	cB	826	CLA	C1B-NB	-3.51	1.33	1.37
13	dA	826	CLA	CHD-C1D	3.51	1.45	1.38
13	bA	829	CLA	CHD-C4C	3.51	1.47	1.39
13	bB	803	CLA	CHD-C1D	3.51	1.45	1.38
13	aB	806	CLA	C3D-C2D	3.51	1.48	1.39
13	bA	842	CLA	C3D-C2D	3.51	1.48	1.39
13	bA	826	CLA	CHD-C1D	3.51	1.45	1.38
13	aB	809	CLA	C3D-C2D	3.51	1.48	1.39
13	bB	804	CLA	CHD-C4C	3.51	1.47	1.39
13	dA	828	CLA	CHC-C4B	3.51	1.47	1.39
13	dB	813	CLA	OBD-CAD	3.51	1.28	1.22
13	aA	843	CLA	OBD-CAD	3.51	1.28	1.22
13	aA	823	CLA	CHD-C4C	3.51	1.47	1.39
13	cA	823	CLA	CHD-C4C	3.51	1.47	1.39
13	aA	818	CLA	C1B-NB	-3.51	1.33	1.37
13	dA	841	CLA	CHC-C4B	3.51	1.47	1.39
13	bA	806	CLA	CHD-C4C	3.50	1.47	1.39
13	cB	824	CLA	OBD-CAD	3.50	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	818	CLA	C3D-C2D	3.50	1.48	1.39
13	dB	809	CLA	CHD-C1D	3.50	1.45	1.38
13	bA	815	CLA	OBD-CAD	3.50	1.28	1.22
13	aB	824	CLA	CHC-C4B	3.50	1.47	1.39
13	dA	829	CLA	C3D-C2D	3.50	1.48	1.39
13	dA	815	CLA	OBD-CAD	3.50	1.28	1.22
13	bA	817	CLA	CHC-C4B	3.50	1.47	1.39
13	dA	807	CLA	CHC-C4B	3.50	1.47	1.39
13	bB	805	CLA	C3D-C2D	3.50	1.48	1.39
13	bA	803	CLA	OBD-CAD	3.50	1.28	1.22
13	aA	842	CLA	C1B-NB	-3.50	1.33	1.37
13	bB	814	CLA	CHC-C4B	3.50	1.47	1.39
13	aB	819	CLA	OBD-CAD	3.50	1.28	1.22
13	bF	204	CLA	OBD-CAD	3.50	1.28	1.22
13	dB	805	CLA	C3D-C2D	3.50	1.48	1.39
13	aB	816	CLA	CHC-C4B	3.50	1.47	1.39
13	bB	806	CLA	CHC-C4B	3.50	1.47	1.39
13	dB	806	CLA	CHC-C4B	3.50	1.47	1.39
13	aB	832	CLA	C1B-NB	-3.50	1.33	1.37
13	dB	814	CLA	OBD-CAD	3.50	1.28	1.22
13	aA	812	CLA	CHC-C4B	3.50	1.47	1.39
13	dL	203	CLA	CHD-C1D	3.50	1.45	1.38
13	bB	828	CLA	OBD-CAD	3.50	1.28	1.22
13	dA	829	CLA	CHD-C4C	3.50	1.47	1.39
13	cA	838	CLA	C3D-C2D	3.49	1.48	1.39
13	cB	806	CLA	C3D-C2D	3.49	1.48	1.39
13	cA	830	CLA	OBD-CAD	3.49	1.28	1.22
13	dB	828	CLA	OBD-CAD	3.49	1.28	1.22
13	dA	826	CLA	C1D-ND	3.49	1.42	1.37
13	bA	828	CLA	C4B-NB	-3.49	1.33	1.37
13	bA	813	CLA	C3D-C2D	3.49	1.48	1.39
13	aA	821	CLA	CHD-C4C	3.49	1.47	1.39
13	dA	813	CLA	C3D-C2D	3.49	1.48	1.39
13	cB	833	CLA	OBD-CAD	3.49	1.28	1.22
13	bB	808	CLA	C1B-NB	-3.49	1.33	1.37
13	dA	806	CLA	CHD-C4C	3.49	1.47	1.39
13	dA	833	CLA	C3D-C2D	3.49	1.48	1.39
13	cA	832	CLA	CHC-C4B	3.49	1.47	1.39
13	bA	807	CLA	CHC-C4B	3.49	1.47	1.39
13	bB	813	CLA	OBD-CAD	3.49	1.28	1.22
13	aA	815	CLA	CHC-C4B	3.49	1.47	1.39
13	aB	818	CLA	C1B-NB	-3.49	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	818	CLA	C1B-NB	-3.49	1.33	1.37
13	bB	825	CLA	C3D-C2D	3.49	1.48	1.39
13	cB	834	CLA	OBD-CAD	3.48	1.28	1.22
13	aB	834	CLA	OBD-CAD	3.48	1.28	1.22
13	bB	814	CLA	OBD-CAD	3.48	1.28	1.22
13	dB	804	CLA	CHD-C4C	3.48	1.47	1.39
13	dA	817	CLA	CHC-C4B	3.48	1.47	1.39
13	dB	814	CLA	CHC-C4B	3.48	1.47	1.39
13	aA	812	CLA	C3D-C2D	3.48	1.48	1.39
13	dA	830	CLA	C3D-C2D	3.48	1.48	1.39
13	dB	803	CLA	CHD-C4C	3.48	1.47	1.39
13	bB	826	CLA	C3D-C2D	3.48	1.48	1.39
15	bF	202	BCR	C1-C6	-3.48	1.49	1.53
13	aB	833	CLA	OBD-CAD	3.48	1.28	1.22
13	dL	202	CLA	C1D-ND	3.48	1.42	1.37
13	cA	815	CLA	CHC-C4B	3.48	1.47	1.39
13	cB	824	CLA	CHC-C4B	3.48	1.47	1.39
13	bB	816	CLA	OBD-CAD	3.48	1.28	1.22
13	dB	826	CLA	C3D-C2D	3.48	1.48	1.39
13	cB	816	CLA	CHC-C4B	3.48	1.47	1.39
13	bB	824	CLA	C1B-NB	-3.48	1.33	1.37
13	cA	808	CLA	OBD-CAD	3.48	1.28	1.22
13	cA	836	CLA	OBD-CAD	3.48	1.28	1.22
13	bA	833	CLA	C3D-C2D	3.48	1.48	1.39
13	dB	816	CLA	CHB-C1B	3.48	1.47	1.39
13	cA	830	CLA	C4B-NB	-3.48	1.33	1.37
13	dA	810	CLA	C1B-NB	-3.48	1.33	1.37
13	cA	814	CLA	C3D-C2D	3.47	1.48	1.39
13	bA	807	CLA	C3D-C2D	3.47	1.48	1.39
13	bA	810	CLA	C1B-NB	-3.47	1.33	1.37
13	cB	809	CLA	C3D-C2D	3.47	1.48	1.39
13	cA	841	CLA	OBD-CAD	3.47	1.28	1.22
13	aB	815	CLA	C3D-C2D	3.47	1.48	1.39
13	cA	803	CLA	OBD-CAD	3.47	1.28	1.22
13	bL	203	CLA	CHD-C1D	3.47	1.45	1.38
13	cA	825	CLA	C4B-NB	-3.47	1.33	1.37
13	aA	813	CLA	C4B-NB	-3.47	1.33	1.37
13	aB	823	CLA	C4B-NB	-3.47	1.33	1.37
13	cB	823	CLA	C4B-NB	-3.47	1.33	1.37
13	cB	832	CLA	C1B-NB	-3.47	1.33	1.37
13	aA	834	CLA	C3D-C2D	3.47	1.48	1.39
13	dA	808	CLA	OBD-CAD	3.47	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	842	CLA	C3D-C2D	3.47	1.48	1.39
13	aA	838	CLA	C3D-C2D	3.47	1.48	1.39
13	cA	821	CLA	CHD-C4C	3.47	1.47	1.39
13	dB	825	CLA	C3D-C2D	3.47	1.48	1.39
13	aA	840	CLA	C4B-NB	-3.47	1.33	1.37
13	cA	813	CLA	CHC-C4B	3.47	1.47	1.39
13	dA	835	CLA	C3D-C2D	3.47	1.48	1.39
13	cA	831	CLA	OBD-CAD	3.47	1.28	1.22
13	cF	204	CLA	CHC-C4B	3.47	1.47	1.39
13	aA	814	CLA	C3D-C2D	3.47	1.48	1.39
13	aA	833	CLA	CHC-C4B	3.47	1.47	1.39
13	bB	816	CLA	CHB-C1B	3.47	1.47	1.39
13	aA	830	CLA	C4B-NB	-3.47	1.33	1.37
13	bA	823	CLA	CHC-C4B	3.47	1.47	1.39
13	cB	815	CLA	C3D-C2D	3.47	1.48	1.39
13	cB	828	CLA	CHB-C1B	3.46	1.47	1.39
13	dB	808	CLA	C1B-NB	-3.46	1.33	1.37
13	cB	819	CLA	OBD-CAD	3.46	1.28	1.22
13	cA	812	CLA	CHC-C4B	3.46	1.47	1.39
13	bA	823	CLA	OBD-CAD	3.46	1.28	1.22
13	dA	803	CLA	OBD-CAD	3.46	1.28	1.22
13	cA	812	CLA	C3D-C2D	3.46	1.48	1.39
13	cA	813	CLA	C4B-NB	-3.46	1.33	1.37
13	cB	808	CLA	C1B-NB	-3.46	1.33	1.37
13	cB	830	CLA	C4B-NB	-3.46	1.33	1.37
13	cA	834	CLA	C3D-C2D	3.46	1.48	1.39
13	dA	803	CLA	CHC-C4B	3.46	1.47	1.39
13	cA	840	CLA	C4B-NB	-3.46	1.33	1.37
13	dB	821	CLA	OBD-CAD	3.46	1.28	1.22
13	bB	803	CLA	CHD-C4C	3.46	1.47	1.39
13	cA	842	CLA	C1B-NB	-3.46	1.33	1.37
13	cB	810	CLA	C1B-NB	-3.46	1.33	1.37
13	aF	204	CLA	CHC-C4B	3.46	1.47	1.39
13	dB	808	CLA	CHB-C1B	3.46	1.47	1.39
13	cA	842	CLA	C3D-C2D	3.46	1.48	1.39
13	dB	815	CLA	CHC-C4B	3.46	1.47	1.39
13	bA	844	CLA	CHD-C4C	3.46	1.47	1.39
13	cA	821	CLA	C3D-C2D	3.46	1.48	1.39
13	bA	826	CLA	C1D-ND	3.46	1.42	1.37
13	bB	802	CLA	OBD-CAD	3.46	1.28	1.22
13	dB	802	CLA	OBD-CAD	3.46	1.28	1.22
13	cA	823	CLA	CHD-C1D	3.45	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	826	CLA	C1B-NB	-3.45	1.33	1.37
13	aA	821	CLA	C3D-C2D	3.45	1.48	1.39
13	bB	808	CLA	CHB-C1B	3.45	1.47	1.39
13	bB	832	CLA	OBD-CAD	3.45	1.28	1.22
13	dA	844	CLA	CHD-C4C	3.45	1.47	1.39
13	bA	803	CLA	CHC-C4B	3.45	1.47	1.39
13	bB	828	CLA	C3D-C2D	3.45	1.48	1.39
13	aA	803	CLA	OBD-CAD	3.45	1.28	1.22
13	dB	821	CLA	C3D-C2D	3.45	1.48	1.39
13	aA	808	CLA	OBD-CAD	3.45	1.28	1.22
13	aA	831	CLA	OBD-CAD	3.45	1.28	1.22
13	bA	835	CLA	C3D-C2D	3.45	1.48	1.39
13	dB	828	CLA	C3D-C2D	3.45	1.48	1.39
13	aB	834	CLA	CHB-C1B	3.45	1.47	1.39
13	aB	810	CLA	C1B-NB	-3.45	1.33	1.37
13	aA	818	CLA	CHC-C4B	3.45	1.47	1.39
13	dA	807	CLA	C3D-C2D	3.45	1.48	1.39
13	aA	823	CLA	CHD-C1D	3.45	1.45	1.38
13	bA	830	CLA	C3D-C2D	3.45	1.48	1.39
13	bB	817	CLA	C1B-NB	-3.45	1.33	1.37
13	cB	811	CLA	C4B-NB	-3.45	1.33	1.37
13	aA	836	CLA	OBD-CAD	3.45	1.28	1.22
13	cB	834	CLA	CHB-C1B	3.45	1.47	1.39
13	dB	810	CLA	C3D-C2D	3.45	1.48	1.39
13	cA	833	CLA	CHC-C4B	3.45	1.47	1.39
13	bA	808	CLA	OBD-CAD	3.45	1.28	1.22
13	dA	824	CLA	OBD-CAD	3.45	1.28	1.22
13	cF	201	CLA	C1B-NB	-3.45	1.33	1.37
13	bA	819	CLA	CHC-C4B	3.45	1.47	1.39
13	dB	808	CLA	OBD-CAD	3.45	1.28	1.22
13	aB	830	CLA	C4B-NB	-3.45	1.33	1.37
13	aB	805	CLA	CHD-C4C	3.45	1.47	1.39
13	bA	840	CLA	CHD-C1D	3.45	1.45	1.38
13	bB	808	CLA	OBD-CAD	3.45	1.28	1.22
13	dA	818	CLA	CHD-C1D	3.45	1.45	1.38
13	dA	819	CLA	CHC-C4B	3.45	1.47	1.39
13	aB	828	CLA	CHB-C1B	3.44	1.47	1.39
13	bB	821	CLA	OBD-CAD	3.44	1.28	1.22
13	aB	808	CLA	C4B-NB	-3.44	1.33	1.37
13	bB	810	CLA	C3D-C2D	3.44	1.48	1.39
13	aA	822	CLA	C4B-NB	-3.44	1.33	1.37
13	bB	819	CLA	C4B-NB	-3.44	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	bB	836	BCR	C30-C25	-3.44	1.49	1.53
15	dF	202	BCR	C1-C6	-3.44	1.49	1.53
13	bA	808	CLA	CHC-C4B	3.44	1.47	1.39
13	cB	805	CLA	CHD-C4C	3.44	1.47	1.39
13	cA	830	CLA	C3D-C2D	3.44	1.48	1.39
13	aA	813	CLA	CHC-C4B	3.44	1.47	1.39
13	aB	828	CLA	C1B-NB	-3.44	1.33	1.37
13	cA	818	CLA	CHC-C4B	3.44	1.47	1.39
13	aB	823	CLA	C1B-NB	-3.44	1.33	1.37
13	bA	814	CLA	C3D-C2D	3.44	1.48	1.39
13	bB	821	CLA	C3D-C2D	3.44	1.48	1.39
13	dB	829	CLA	CHC-C4B	3.44	1.47	1.39
13	bA	821	CLA	OBD-CAD	3.44	1.28	1.22
13	aF	201	CLA	C1B-NB	-3.44	1.33	1.37
13	cA	808	CLA	CHB-C1B	3.44	1.47	1.39
13	dB	824	CLA	C1B-NB	-3.44	1.33	1.37
13	dL	202	CLA	C4B-NB	-3.44	1.33	1.37
13	cB	805	CLA	C3D-C2D	3.44	1.48	1.39
13	aA	831	CLA	CHD-C4C	3.44	1.47	1.39
13	dA	840	CLA	CHD-C1D	3.43	1.45	1.38
13	aA	830	CLA	CHC-C4B	3.43	1.47	1.39
13	cA	830	CLA	CHC-C4B	3.43	1.47	1.39
13	bL	202	CLA	C4B-NB	-3.43	1.33	1.37
13	dB	832	CLA	OBD-CAD	3.43	1.28	1.22
13	bB	815	CLA	C1B-NB	-3.43	1.33	1.37
13	dB	829	CLA	C3D-C2D	3.43	1.48	1.39
13	cB	808	CLA	C4B-NB	-3.43	1.33	1.37
13	bB	823	CLA	C1D-ND	3.43	1.42	1.37
13	cA	841	CLA	C1B-NB	-3.43	1.33	1.37
13	dB	817	CLA	C1B-NB	-3.43	1.33	1.37
13	bB	805	CLA	OBD-CAD	3.43	1.28	1.22
13	cB	806	CLA	C1B-NB	-3.43	1.33	1.37
13	cA	819	CLA	C3D-C2D	3.43	1.48	1.39
13	dA	823	CLA	OBD-CAD	3.43	1.28	1.22
13	dA	823	CLA	CHC-C4B	3.43	1.47	1.39
13	aA	830	CLA	C3D-C2D	3.43	1.48	1.39
13	cA	829	CLA	C3D-C2D	3.43	1.48	1.39
13	dA	837	CLA	C3D-C2D	3.43	1.48	1.39
13	cB	828	CLA	C1B-NB	-3.43	1.33	1.37
13	cA	810	CLA	CHC-C4B	3.43	1.47	1.39
13	dB	819	CLA	C4B-NB	-3.43	1.33	1.37
13	dA	826	CLA	C3D-C2D	3.43	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	814	CLA	OBD-CAD	3.43	1.28	1.22
13	dB	816	CLA	OBD-CAD	3.43	1.28	1.22
13	bA	809	CLA	CHC-C4B	3.43	1.47	1.39
13	bB	829	CLA	C3D-C2D	3.43	1.48	1.39
13	bB	805	CLA	CHC-C4B	3.43	1.47	1.39
13	bB	823	CLA	CHB-C1B	3.43	1.47	1.39
13	cB	828	CLA	CHC-C4B	3.42	1.47	1.39
13	aB	822	CLA	C1B-NB	-3.42	1.33	1.37
13	bA	826	CLA	C3D-C2D	3.42	1.48	1.39
13	cA	822	CLA	C4B-NB	-3.42	1.33	1.37
13	aA	829	CLA	C3D-C2D	3.42	1.48	1.39
13	dA	844	CLA	C3D-C2D	3.42	1.48	1.39
13	dB	823	CLA	C1D-ND	3.42	1.42	1.37
13	aB	805	CLA	C3D-C2D	3.42	1.48	1.39
13	dB	817	CLA	OBD-CAD	3.42	1.28	1.22
13	aA	827	CLA	CHC-C4B	3.42	1.47	1.39
13	dA	844	CLA	CHC-C4B	3.42	1.47	1.39
13	cB	822	CLA	C1B-NB	-3.42	1.33	1.37
13	dA	805	CLA	C3D-C2D	3.42	1.48	1.39
13	aA	842	CLA	CHC-C4B	3.42	1.47	1.39
13	bB	817	CLA	CHB-C1B	3.42	1.47	1.39
13	aA	808	CLA	CHB-C1B	3.42	1.47	1.39
13	bA	805	CLA	C3D-C2D	3.42	1.48	1.39
13	dB	805	CLA	OBD-CAD	3.42	1.28	1.22
13	aB	801	CLA	C4B-NB	-3.42	1.33	1.37
13	dA	809	CLA	CHC-C4B	3.42	1.47	1.39
13	cB	803	CLA	C3D-C2D	3.42	1.48	1.39
13	cA	831	CLA	CHD-C4C	3.42	1.47	1.39
13	bB	829	CLA	CHC-C4B	3.42	1.47	1.39
13	bB	815	CLA	CHC-C4B	3.42	1.47	1.39
13	cB	819	CLA	CHC-C4B	3.42	1.47	1.39
13	dB	823	CLA	CHB-C1B	3.42	1.47	1.39
13	aB	808	CLA	C1B-NB	-3.42	1.33	1.37
13	aA	834	CLA	CHC-C4B	3.42	1.47	1.39
13	dA	814	CLA	C3D-C2D	3.42	1.48	1.39
13	dB	817	CLA	CHB-C1B	3.42	1.47	1.39
13	aA	819	CLA	C3D-C2D	3.42	1.48	1.39
13	aA	809	CLA	CHC-C4B	3.42	1.47	1.39
13	cA	817	CLA	CHB-C1B	3.42	1.47	1.39
13	aA	841	CLA	C1B-NB	-3.42	1.33	1.37
13	aB	811	CLA	C4B-NB	-3.42	1.33	1.37
13	aA	810	CLA	CHC-C4B	3.41	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	803	CLA	C3D-C2D	3.41	1.48	1.39
13	aB	822	CLA	C4B-NB	-3.41	1.33	1.37
13	bB	830	CLA	C4B-NB	-3.41	1.33	1.37
13	aA	826	CLA	CHB-C1B	3.41	1.47	1.39
13	cB	803	CLA	C4B-NB	-3.41	1.33	1.37
13	aA	807	CLA	C3D-C2D	3.41	1.48	1.39
13	cA	807	CLA	C3D-C2D	3.41	1.48	1.39
13	aB	833	CLA	C4B-NB	-3.41	1.33	1.37
13	aA	817	CLA	CHB-C1B	3.41	1.47	1.39
13	cA	842	CLA	CHC-C4B	3.41	1.47	1.39
13	aA	839	CLA	C3D-C2D	3.41	1.48	1.39
13	cB	822	CLA	C4B-NB	-3.41	1.33	1.37
13	aK	203	CLA	CHC-C4B	3.41	1.47	1.39
13	dA	808	CLA	CHC-C4B	3.41	1.47	1.39
13	cB	801	CLA	OBD-CAD	3.41	1.28	1.22
13	bB	810	CLA	CHB-C1B	3.41	1.47	1.39
13	aB	805	CLA	OBD-CAD	3.41	1.28	1.22
13	cB	805	CLA	OBD-CAD	3.41	1.28	1.22
13	bB	828	CLA	CHC-C4B	3.41	1.47	1.39
13	cK	203	CLA	CHC-C4B	3.41	1.47	1.39
13	bA	839	CLA	C3D-C2D	3.41	1.48	1.39
13	dB	804	CLA	C3D-C2D	3.41	1.48	1.39
15	dB	834	BCR	C30-C25	-3.41	1.49	1.53
13	bA	844	CLA	CHC-C4B	3.41	1.47	1.39
13	dA	821	CLA	OBD-CAD	3.41	1.28	1.22
13	cB	805	CLA	CHD-C1D	3.41	1.45	1.38
13	aB	803	CLA	C4B-NB	-3.41	1.33	1.37
13	cA	809	CLA	CHC-C4B	3.40	1.47	1.39
13	dB	831	CLA	C3D-C2D	3.40	1.48	1.39
13	dB	810	CLA	CHB-C1B	3.40	1.47	1.39
13	bA	837	CLA	C3D-C2D	3.40	1.48	1.39
13	cA	826	CLA	CHB-C1B	3.40	1.47	1.39
13	bA	844	CLA	C3D-C2D	3.40	1.48	1.39
13	aA	817	CLA	C1B-NB	-3.40	1.33	1.37
13	dB	805	CLA	CHC-C4B	3.40	1.47	1.39
13	bA	806	CLA	C3D-C2D	3.40	1.48	1.39
13	cA	834	CLA	CHC-C4B	3.40	1.47	1.39
15	bB	834	BCR	C30-C25	-3.40	1.49	1.53
13	bA	818	CLA	CHD-C1D	3.40	1.45	1.38
13	dB	816	CLA	C3D-C2D	3.40	1.48	1.39
13	cB	801	CLA	C4B-NB	-3.40	1.33	1.37
13	aK	203	CLA	OBD-CAD	3.40	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	828	CLA	CHC-C4B	3.40	1.47	1.39
13	cB	813	CLA	CHC-C4B	3.40	1.47	1.39
13	aB	801	CLA	OBD-CAD	3.40	1.28	1.22
13	bA	824	CLA	OBD-CAD	3.40	1.28	1.22
13	aB	828	CLA	CHC-C4B	3.40	1.47	1.39
13	bA	826	CLA	CHD-C4C	3.40	1.46	1.39
13	aB	813	CLA	CHC-C4B	3.39	1.47	1.39
13	cA	839	CLA	CHC-C4B	3.39	1.47	1.39
13	dB	830	CLA	C4B-NB	-3.39	1.33	1.37
13	cA	827	CLA	CHC-C4B	3.39	1.47	1.39
13	bA	837	CLA	C4B-NB	-3.39	1.33	1.37
13	cA	817	CLA	C1B-NB	-3.39	1.33	1.37
13	bB	810	CLA	OBD-CAD	3.39	1.28	1.22
13	aB	820	CLA	C1B-NB	-3.39	1.33	1.37
13	dA	842	CLA	OBD-CAD	3.39	1.28	1.22
13	aB	819	CLA	CHC-C4B	3.39	1.47	1.39
13	cA	807	CLA	CHC-C4B	3.39	1.47	1.39
13	cB	804	CLA	CHC-C4B	3.39	1.47	1.39
13	cA	835	CLA	C4B-NB	-3.39	1.33	1.37
13	cB	823	CLA	C1B-NB	-3.39	1.33	1.37
13	cB	833	CLA	C4B-NB	-3.39	1.33	1.37
13	dB	816	CLA	C1B-NB	-3.39	1.33	1.37
13	aA	806	CLA	CHC-C4B	3.39	1.47	1.39
13	cA	806	CLA	CHC-C4B	3.39	1.47	1.39
13	cA	814	CLA	OBD-CAD	3.39	1.28	1.22
13	dA	828	CLA	CHD-C4C	3.39	1.46	1.39
13	bA	804	CLA	CHC-C4B	3.39	1.47	1.39
13	cA	839	CLA	C3D-C2D	3.39	1.48	1.39
13	dB	830	CLA	CHC-C4B	3.39	1.47	1.39
13	bA	842	CLA	OBD-CAD	3.39	1.28	1.22
13	bB	804	CLA	C3D-C2D	3.39	1.48	1.39
13	dA	806	CLA	C3D-C2D	3.39	1.48	1.39
13	dB	810	CLA	OBD-CAD	3.38	1.28	1.22
13	cA	834	CLA	C4B-NB	-3.38	1.33	1.37
15	cA	848	BCR	C30-C25	-3.38	1.49	1.53
13	aB	823	CLA	CHB-C1B	3.38	1.47	1.39
13	cA	803	CLA	CHC-C4B	3.38	1.47	1.39
13	aB	813	CLA	CHB-C1B	3.38	1.47	1.39
13	aB	809	CLA	CHB-C1B	3.38	1.47	1.39
13	dA	839	CLA	C3D-C2D	3.38	1.48	1.39
13	bB	816	CLA	C3D-C2D	3.38	1.48	1.39
13	cA	822	CLA	C3D-C2D	3.38	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aL	202	CLA	C4B-NB	-3.38	1.33	1.37
13	aB	804	CLA	CHC-C4B	3.38	1.47	1.39
13	bF	201	CLA	CHC-C4B	3.38	1.47	1.39
13	bL	202	CLA	OBD-CAD	3.38	1.28	1.22
13	bB	816	CLA	C1B-NB	-3.38	1.33	1.37
13	cF	201	CLA	C4B-NB	-3.38	1.33	1.37
13	cA	827	CLA	C3D-C2D	3.38	1.48	1.39
13	aA	807	CLA	CHC-C4B	3.38	1.47	1.39
13	dB	826	CLA	CHC-C4B	3.38	1.47	1.39
13	bB	817	CLA	OBD-CAD	3.38	1.28	1.22
13	aB	806	CLA	C1B-NB	-3.38	1.33	1.37
13	bA	828	CLA	CHD-C4C	3.38	1.46	1.39
15	dB	836	BCR	C30-C25	-3.38	1.49	1.53
13	dB	815	CLA	C1B-NB	-3.38	1.33	1.37
13	aB	819	CLA	C4B-NB	-3.37	1.33	1.37
13	bB	831	CLA	C3D-C2D	3.37	1.48	1.39
15	dA	849	BCR	C1-C6	-3.37	1.49	1.53
13	aB	805	CLA	CHD-C1D	3.37	1.45	1.38
13	aA	834	CLA	C4B-NB	-3.37	1.33	1.37
13	dL	202	CLA	OBD-CAD	3.37	1.28	1.22
13	aA	827	CLA	C3D-C2D	3.37	1.48	1.39
15	dF	203	BCR	C1-C6	-3.37	1.49	1.53
13	aA	826	CLA	CHD-C4C	3.37	1.46	1.39
13	aL	203	CLA	CHC-C4B	3.37	1.47	1.39
13	dA	813	CLA	C4B-NB	-3.37	1.33	1.37
13	dF	201	CLA	CHC-C4B	3.37	1.47	1.39
15	bF	203	BCR	C1-C6	-3.37	1.49	1.53
13	aB	801	CLA	CHD-C4C	3.37	1.46	1.39
13	dA	812	CLA	C3D-C2D	3.37	1.48	1.39
13	aA	839	CLA	CHC-C4B	3.37	1.47	1.39
13	bA	827	CLA	C3D-C2D	3.37	1.48	1.39
15	aA	848	BCR	C30-C25	-3.37	1.49	1.53
13	aB	810	CLA	CHB-C1B	3.37	1.47	1.39
13	cB	809	CLA	CHB-C1B	3.37	1.47	1.39
13	cA	837	CLA	CHC-C4B	3.37	1.47	1.39
13	bB	824	CLA	CHC-C4B	3.37	1.47	1.39
13	aA	822	CLA	C3D-C2D	3.37	1.48	1.39
13	dB	822	CLA	C3D-C2D	3.37	1.48	1.39
13	cB	823	CLA	CHB-C1B	3.37	1.47	1.39
13	cB	813	CLA	CHB-C1B	3.37	1.47	1.39
15	bA	849	BCR	C1-C6	-3.37	1.49	1.53
13	dA	831	CLA	C4B-NB	-3.36	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	807	CLA	CHC-C4B	3.36	1.47	1.39
13	bB	830	CLA	CHC-C4B	3.36	1.47	1.39
12	bA	801	CL0	CHB-C1B	3.36	1.45	1.39
13	dA	804	CLA	CHC-C4B	3.36	1.47	1.39
13	dA	827	CLA	C3D-C2D	3.36	1.48	1.39
13	cB	827	CLA	CHC-C4B	3.36	1.47	1.39
13	dA	826	CLA	CHD-C4C	3.36	1.46	1.39
13	cB	830	CLA	CHC-C4B	3.36	1.47	1.39
13	cA	824	CLA	OBD-CAD	3.36	1.28	1.22
13	aB	830	CLA	CHC-C4B	3.36	1.46	1.39
13	bB	826	CLA	CHC-C4B	3.36	1.46	1.39
13	dA	837	CLA	C4B-NB	-3.36	1.33	1.37
15	cJ	104	BCR	C30-C25	-3.36	1.49	1.53
13	cL	202	CLA	C4B-NB	-3.36	1.33	1.37
13	bB	822	CLA	C3D-C2D	3.36	1.48	1.39
13	cB	810	CLA	CHB-C1B	3.36	1.46	1.39
13	aA	803	CLA	CHC-C4B	3.36	1.46	1.39
13	aA	806	CLA	OBD-CAD	3.36	1.28	1.22
13	cA	824	CLA	CHC-C4B	3.35	1.46	1.39
13	bA	812	CLA	C3D-C2D	3.35	1.48	1.39
13	cK	203	CLA	OBD-CAD	3.35	1.28	1.22
13	dA	834	CLA	OBD-CAD	3.35	1.28	1.22
15	cK	202	BCR	C1-C6	-3.35	1.49	1.53
13	dB	824	CLA	CHC-C4B	3.35	1.46	1.39
13	aA	837	CLA	CHC-C4B	3.35	1.46	1.39
13	cL	203	CLA	CHC-C4B	3.35	1.46	1.39
15	dM	101	BCR	C30-C25	-3.35	1.49	1.53
13	bA	813	CLA	OBD-CAD	3.35	1.28	1.22
13	aA	839	CLA	C4B-NB	-3.35	1.33	1.37
13	cA	839	CLA	C4B-NB	-3.35	1.33	1.37
13	bA	828	CLA	CHD-C1D	3.35	1.44	1.38
13	dA	813	CLA	OBD-CAD	3.35	1.28	1.22
13	cB	807	CLA	CHC-C4B	3.35	1.46	1.39
13	aB	831	CLA	OBD-CAD	3.35	1.28	1.22
13	cB	831	CLA	OBD-CAD	3.35	1.28	1.22
13	cA	826	CLA	CHD-C4C	3.34	1.46	1.39
13	aB	822	CLA	CHC-C4B	3.34	1.46	1.39
13	cB	822	CLA	CHC-C4B	3.34	1.46	1.39
13	aA	824	CLA	OBD-CAD	3.34	1.28	1.22
12	dA	801	CL0	CHB-C1B	3.34	1.45	1.39
13	dA	822	CLA	C3D-C2D	3.34	1.48	1.39
13	bA	813	CLA	C4B-NB	-3.34	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	822	CLA	C3D-C2D	3.34	1.48	1.39
13	dA	828	CLA	CHD-C1D	3.34	1.44	1.38
13	bB	806	CLA	C3D-C2D	3.34	1.48	1.39
13	dB	806	CLA	C3D-C2D	3.34	1.48	1.39
13	aA	830	CLA	CHD-C4C	3.34	1.46	1.39
13	cA	806	CLA	OBD-CAD	3.34	1.28	1.22
13	aA	832	CLA	OBD-CAD	3.34	1.28	1.22
13	cA	832	CLA	OBD-CAD	3.34	1.28	1.22
13	bA	834	CLA	OBD-CAD	3.34	1.28	1.22
13	aL	204	CLA	CHC-C4B	3.34	1.46	1.39
13	cL	204	CLA	CHC-C4B	3.34	1.46	1.39
13	bB	819	CLA	CHC-C4B	3.34	1.46	1.39
13	aF	201	CLA	C4B-NB	-3.34	1.33	1.37
13	aB	814	CLA	CHB-C1B	3.34	1.46	1.39
13	aA	835	CLA	C4B-NB	-3.34	1.33	1.37
13	bB	814	CLA	CHB-C1B	3.34	1.46	1.39
13	aA	809	CLA	OBD-CAD	3.34	1.28	1.22
13	cB	819	CLA	C4B-NB	-3.34	1.33	1.37
13	dB	814	CLA	CHB-C1B	3.34	1.46	1.39
13	bB	808	CLA	CHC-C4B	3.34	1.46	1.39
13	dA	835	CLA	OBD-CAD	3.33	1.28	1.22
13	bF	204	CLA	CHC-C4B	3.33	1.46	1.39
13	dF	204	CLA	CHC-C4B	3.33	1.46	1.39
13	cB	801	CLA	CHD-C4C	3.33	1.46	1.39
13	aA	818	CLA	CHB-C1B	3.33	1.46	1.39
13	cB	820	CLA	C1B-NB	-3.33	1.33	1.37
13	dB	808	CLA	CHC-C4B	3.33	1.46	1.39
13	dB	819	CLA	CHC-C4B	3.33	1.46	1.39
13	bA	815	CLA	CHC-C4B	3.33	1.46	1.39
13	cA	841	CLA	CHC-C4B	3.33	1.46	1.39
13	cK	204	CLA	C4B-NB	-3.33	1.33	1.37
13	aB	827	CLA	CHC-C4B	3.33	1.46	1.39
13	cA	809	CLA	OBD-CAD	3.33	1.28	1.22
13	aB	804	CLA	C1D-ND	3.33	1.42	1.37
13	bA	833	CLA	OBD-CAD	3.33	1.28	1.22
13	aB	815	CLA	C1B-NB	-3.33	1.33	1.37
13	bA	813	CLA	CHC-C4B	3.33	1.46	1.39
13	cA	812	CLA	OBD-CAD	3.33	1.28	1.22
13	aA	841	CLA	CHC-C4B	3.33	1.46	1.39
13	bA	842	CLA	CHC-C4B	3.33	1.46	1.39
13	cA	818	CLA	CHD-C1D	3.32	1.44	1.38
15	bM	101	BCR	C30-C25	-3.32	1.49	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	822	CLA	CHC-C4B	3.32	1.46	1.39
13	aA	818	CLA	CHD-C1D	3.32	1.44	1.38
13	cA	820	CLA	OBD-CAD	3.32	1.28	1.22
15	aJ	104	BCR	C30-C25	-3.32	1.49	1.53
13	cB	814	CLA	CHB-C1B	3.32	1.46	1.39
13	aA	824	CLA	CHC-C4B	3.32	1.46	1.39
13	cA	830	CLA	CHD-C4C	3.32	1.46	1.39
13	bA	831	CLA	C4B-NB	-3.32	1.33	1.37
13	dA	813	CLA	CHC-C4B	3.32	1.46	1.39
13	dA	815	CLA	CHC-C4B	3.32	1.46	1.39
13	bB	822	CLA	CHC-C4B	3.32	1.46	1.39
15	dI	101	BCR	C30-C25	-3.31	1.49	1.53
13	aA	831	CLA	C4B-NB	-3.31	1.33	1.37
13	cA	831	CLA	C4B-NB	-3.31	1.33	1.37
13	cB	815	CLA	C1B-NB	-3.31	1.33	1.37
13	aA	820	CLA	OBD-CAD	3.31	1.28	1.22
13	dA	833	CLA	OBD-CAD	3.31	1.28	1.22
15	aK	202	BCR	C1-C6	-3.31	1.49	1.53
13	cA	832	CLA	C3D-C2D	3.31	1.48	1.39
13	cA	818	CLA	CHB-C1B	3.31	1.46	1.39
13	bA	835	CLA	OBD-CAD	3.31	1.28	1.22
13	bA	807	CLA	OBD-CAD	3.31	1.28	1.22
13	bA	804	CLA	C4B-NB	-3.31	1.33	1.37
13	dA	820	CLA	OBD-CAD	3.31	1.28	1.22
13	cL	204	CLA	CHB-C1B	3.31	1.46	1.39
13	bF	204	CLA	C1B-NB	-3.31	1.33	1.37
13	dF	204	CLA	C1B-NB	-3.31	1.33	1.37
13	dB	831	CLA	OBD-CAD	3.31	1.28	1.22
13	dA	804	CLA	C4B-NB	-3.31	1.33	1.37
13	cB	829	CLA	CHB-C1B	3.31	1.46	1.39
13	dB	823	CLA	CHC-C4B	3.31	1.46	1.39
13	aB	829	CLA	CHB-C1B	3.31	1.46	1.39
13	bA	823	CLA	C4B-NB	-3.30	1.33	1.37
13	dL	203	CLA	C3D-C2D	3.30	1.48	1.39
13	aA	835	CLA	CHC-C4B	3.30	1.46	1.39
13	aA	811	CLA	C4B-NB	-3.30	1.33	1.37
13	cA	810	CLA	C4B-NB	-3.30	1.33	1.37
13	cA	811	CLA	C4B-NB	-3.30	1.33	1.37
13	cA	835	CLA	CHC-C4B	3.30	1.46	1.39
13	dA	842	CLA	CHC-C4B	3.30	1.46	1.39
13	bB	806	CLA	OBD-CAD	3.30	1.28	1.22
13	aA	814	CLA	CHC-C4B	3.30	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	838	CLA	CHB-C1B	3.30	1.46	1.39
13	cA	814	CLA	CHC-C4B	3.30	1.46	1.39
13	cB	815	CLA	CHB-C1B	3.30	1.46	1.39
13	cA	808	CLA	CHC-C4B	3.30	1.46	1.39
13	cB	817	CLA	C1B-NB	-3.30	1.33	1.37
13	aL	204	CLA	CHB-C1B	3.30	1.46	1.39
13	aK	204	CLA	C4B-NB	-3.30	1.33	1.37
13	aB	812	CLA	OBD-CAD	3.30	1.28	1.22
13	bB	828	CLA	CHB-C1B	3.30	1.46	1.39
13	bB	813	CLA	C1B-NB	-3.30	1.33	1.37
13	bB	813	CLA	CHB-C1B	3.30	1.46	1.39
15	cB	838	BCR	C1-C6	-3.30	1.49	1.53
13	aB	804	CLA	CHD-C4C	3.30	1.46	1.39
13	cA	829	CLA	C4B-NB	-3.30	1.33	1.37
13	dB	828	CLA	CHB-C1B	3.30	1.46	1.39
13	aA	812	CLA	OBD-CAD	3.30	1.28	1.22
15	bM	101	BCR	C1-C6	-3.29	1.49	1.53
13	aB	815	CLA	CHB-C1B	3.29	1.46	1.39
13	aL	202	CLA	C1B-NB	-3.29	1.33	1.37
13	aA	832	CLA	C3D-C2D	3.29	1.48	1.39
13	bA	822	CLA	OBD-CAD	3.29	1.28	1.22
13	bB	831	CLA	OBD-CAD	3.29	1.28	1.22
13	bA	840	CLA	CHC-C4B	3.29	1.46	1.39
13	dB	813	CLA	CHB-C1B	3.29	1.46	1.39
13	cB	804	CLA	CHD-C4C	3.29	1.46	1.39
13	dA	811	CLA	C4B-NB	-3.29	1.33	1.37
15	dM	101	BCR	C1-C6	-3.29	1.49	1.53
13	cA	840	CLA	C3D-C2D	3.29	1.48	1.39
13	dB	827	CLA	CHB-C1B	3.29	1.46	1.39
13	bA	820	CLA	OBD-CAD	3.29	1.28	1.22
13	cB	804	CLA	C1D-ND	3.28	1.42	1.37
13	dB	806	CLA	OBD-CAD	3.28	1.28	1.22
13	bB	823	CLA	CHC-C4B	3.28	1.46	1.39
13	dA	841	CLA	C4B-NB	-3.28	1.33	1.37
13	aA	808	CLA	CHC-C4B	3.28	1.46	1.39
13	bL	203	CLA	C3D-C2D	3.28	1.47	1.39
13	dB	809	CLA	C3D-C2D	3.28	1.47	1.39
13	dA	807	CLA	CHB-C1B	3.28	1.46	1.39
13	bA	838	CLA	OBD-CAD	3.28	1.28	1.22
13	dA	838	CLA	OBD-CAD	3.28	1.28	1.22
13	aA	820	CLA	C4B-NB	-3.28	1.33	1.37
13	dB	813	CLA	C1B-NB	-3.28	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	840	CLA	C3D-C2D	3.28	1.47	1.39
13	dA	823	CLA	C4B-NB	-3.28	1.33	1.37
13	bB	824	CLA	C4B-NB	-3.28	1.33	1.37
13	dB	824	CLA	C4B-NB	-3.28	1.33	1.37
13	cB	812	CLA	OBD-CAD	3.28	1.28	1.22
13	aK	204	CLA	OBD-CAD	3.28	1.28	1.22
13	cA	816	CLA	C4B-NB	-3.28	1.33	1.37
13	dA	822	CLA	OBD-CAD	3.27	1.28	1.22
13	bA	843	CLA	C3D-C2D	3.27	1.47	1.39
13	dA	838	CLA	CHB-C1B	3.27	1.46	1.39
13	dA	811	CLA	CHB-C1B	3.27	1.46	1.39
13	cB	825	CLA	C1B-NB	-3.27	1.33	1.37
13	aB	824	CLA	CHB-C1B	3.27	1.46	1.39
13	cB	824	CLA	CHB-C1B	3.27	1.46	1.39
13	bB	809	CLA	C3D-C2D	3.27	1.47	1.39
13	cA	839	CLA	OBD-CAD	3.27	1.28	1.22
13	aA	816	CLA	C4B-NB	-3.27	1.33	1.37
13	bA	807	CLA	CHB-C1B	3.27	1.46	1.39
13	bB	824	CLA	CHB-C1B	3.27	1.46	1.39
13	bB	827	CLA	CHB-C1B	3.27	1.46	1.39
13	dB	824	CLA	CHB-C1B	3.27	1.46	1.39
13	dB	826	CLA	C1B-NB	-3.27	1.33	1.37
13	dA	843	CLA	C3D-C2D	3.27	1.47	1.39
13	cA	826	CLA	C4B-NB	-3.27	1.33	1.37
13	cK	204	CLA	OBD-CAD	3.27	1.28	1.22
13	aA	810	CLA	C4B-NB	-3.27	1.33	1.37
13	aA	842	CLA	CHB-C1B	3.26	1.46	1.39
13	dA	837	CLA	OBD-CAD	3.26	1.28	1.22
13	bA	811	CLA	CHB-C1B	3.26	1.46	1.39
13	aB	817	CLA	C1B-NB	-3.26	1.33	1.37
13	cL	202	CLA	C1B-NB	-3.26	1.33	1.37
13	dA	840	CLA	CHC-C4B	3.26	1.46	1.39
13	cL	203	CLA	C4B-NB	-3.26	1.33	1.37
13	cA	830	CLA	CHB-C1B	3.26	1.46	1.39
13	aA	823	CLA	CHC-C4B	3.26	1.46	1.39
13	aA	839	CLA	OBD-CAD	3.26	1.28	1.22
13	aA	811	CLA	CHC-C4B	3.26	1.46	1.39
15	bI	101	BCR	C30-C25	-3.26	1.49	1.53
13	aA	807	CLA	OBD-CAD	3.26	1.28	1.22
13	bA	811	CLA	C4B-NB	-3.26	1.33	1.37
13	bA	812	CLA	C4B-NB	-3.26	1.33	1.37
13	dA	807	CLA	OBD-CAD	3.26	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	826	CLA	C1B-NB	-3.26	1.33	1.37
13	aA	830	CLA	CHB-C1B	3.26	1.46	1.39
15	aB	838	BCR	C1-C6	-3.25	1.49	1.53
13	bA	819	CLA	OBD-CAD	3.25	1.28	1.22
13	aA	829	CLA	C4B-NB	-3.25	1.33	1.37
13	aA	836	CLA	CHC-C4B	3.25	1.46	1.39
13	dA	840	CLA	C3D-C2D	3.25	1.47	1.39
13	aB	825	CLA	C1B-NB	-3.25	1.33	1.37
13	dA	812	CLA	C4B-NB	-3.25	1.33	1.37
13	dB	803	CLA	CHC-C4B	3.25	1.46	1.39
13	dA	838	CLA	C3D-C4D	-3.25	1.36	1.44
15	bI	101	BCR	C1-C6	-3.25	1.49	1.53
13	cA	808	CLA	C4B-NB	-3.25	1.33	1.37
13	bA	841	CLA	C4B-NB	-3.25	1.33	1.37
13	cA	807	CLA	OBD-CAD	3.25	1.28	1.22
13	cA	836	CLA	CHC-C4B	3.25	1.46	1.39
13	cA	820	CLA	C4B-NB	-3.25	1.33	1.37
13	cA	842	CLA	CHB-C1B	3.25	1.46	1.39
15	dI	101	BCR	C1-C6	-3.25	1.49	1.53
13	cB	834	CLA	C4B-NB	-3.25	1.33	1.37
13	aL	203	CLA	C4B-NB	-3.24	1.33	1.37
13	dA	819	CLA	OBD-CAD	3.24	1.28	1.22
13	bB	803	CLA	CHC-C4B	3.24	1.46	1.39
13	cB	803	CLA	C1B-NB	-3.24	1.33	1.37
13	bA	816	CLA	CHC-C4B	3.24	1.46	1.39
13	cB	820	CLA	C4B-NB	-3.24	1.33	1.37
13	dB	803	CLA	CHB-C1B	3.24	1.46	1.39
13	aA	806	CLA	C3D-C2D	3.24	1.47	1.39
13	cA	806	CLA	C3D-C2D	3.24	1.47	1.39
13	cA	823	CLA	CHC-C4B	3.24	1.46	1.39
13	bA	804	CLA	OBD-CAD	3.24	1.28	1.22
13	aA	826	CLA	C4B-NB	-3.24	1.33	1.37
13	aB	834	CLA	C4B-NB	-3.24	1.33	1.37
13	cB	804	CLA	CHB-C1B	3.24	1.46	1.39
13	bA	837	CLA	OBD-CAD	3.24	1.28	1.22
13	aK	203	CLA	C4B-NB	-3.24	1.33	1.37
13	bA	803	CLA	C4B-NB	-3.24	1.33	1.37
13	bA	826	CLA	OBD-CAD	3.24	1.28	1.22
13	aA	837	CLA	C4B-NB	-3.24	1.33	1.37
13	bA	843	CLA	CHC-C4B	3.24	1.46	1.39
13	cB	830	CLA	OBD-CAD	3.24	1.28	1.22
13	aB	804	CLA	CHB-C1B	3.24	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	827	CLA	CHC-C4B	3.23	1.46	1.39
15	bI	102	BCR	C1-C6	-3.23	1.49	1.53
13	cA	825	CLA	CHC-C4B	3.23	1.46	1.39
13	cA	837	CLA	C4B-NB	-3.23	1.33	1.37
13	bA	838	CLA	C3D-C4D	-3.23	1.36	1.44
13	cB	814	CLA	C1B-NB	-3.23	1.33	1.37
13	aA	825	CLA	CHC-C4B	3.23	1.46	1.39
15	dI	102	BCR	C1-C6	-3.23	1.49	1.53
13	aB	803	CLA	C1B-NB	-3.23	1.33	1.37
13	dA	836	CLA	CHC-C4B	3.23	1.46	1.39
15	aF	203	BCR	C1-C6	-3.23	1.49	1.53
15	cF	203	BCR	C1-C6	-3.23	1.49	1.53
13	bA	840	CLA	C3D-C2D	3.23	1.47	1.39
13	cB	809	CLA	C1B-NB	-3.23	1.33	1.37
13	cB	827	CLA	OBD-CAD	3.23	1.28	1.22
13	cB	807	CLA	CHB-C1B	3.23	1.46	1.39
13	aB	829	CLA	C1B-NB	-3.23	1.33	1.37
15	aJ	102	BCR	C1-C6	-3.23	1.49	1.53
13	dA	827	CLA	CHC-C4B	3.23	1.46	1.39
13	bB	803	CLA	CHB-C1B	3.22	1.46	1.39
13	cA	818	CLA	CHD-C4C	3.22	1.46	1.39
13	dA	816	CLA	CHC-C4B	3.22	1.46	1.39
13	aL	203	CLA	CHB-C1B	3.22	1.46	1.39
13	aA	818	CLA	OBD-CAD	3.22	1.28	1.22
13	dA	824	CLA	CHC-C4B	3.22	1.46	1.39
13	dA	843	CLA	CHC-C4B	3.22	1.46	1.39
13	aB	807	CLA	CHB-C1B	3.22	1.46	1.39
13	bA	836	CLA	CHC-C4B	3.22	1.46	1.39
13	cA	811	CLA	CHC-C4B	3.22	1.46	1.39
13	aB	809	CLA	C1B-NB	-3.22	1.33	1.37
13	cB	829	CLA	C1B-NB	-3.22	1.33	1.37
13	cL	203	CLA	CHB-C1B	3.22	1.46	1.39
13	cB	805	CLA	CHC-C4B	3.22	1.46	1.39
13	dA	830	CLA	CHC-C4B	3.22	1.46	1.39
13	aB	814	CLA	C1B-NB	-3.22	1.33	1.37
13	dA	831	CLA	CHC-C4B	3.22	1.46	1.39
13	cA	819	CLA	OBD-CAD	3.22	1.28	1.22
13	bB	812	CLA	C1B-NB	-3.21	1.33	1.37
13	cB	827	CLA	C1B-NB	-3.21	1.33	1.37
13	aA	840	CLA	CHC-C4B	3.21	1.46	1.39
15	cJ	102	BCR	C1-C6	-3.21	1.49	1.53
13	aB	817	CLA	CHB-C1B	3.21	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	824	CLA	CHC-C4B	3.21	1.46	1.39
13	dA	815	CLA	C3D-C2D	3.21	1.47	1.39
13	bA	830	CLA	CHC-C4B	3.21	1.46	1.39
13	aA	818	CLA	CHD-C4C	3.21	1.46	1.39
13	aB	820	CLA	C4B-NB	-3.21	1.33	1.37
13	dA	803	CLA	C4B-NB	-3.21	1.33	1.37
13	cA	836	CLA	C4B-NB	-3.21	1.33	1.37
13	cB	813	CLA	C1B-NB	-3.21	1.33	1.37
13	aL	202	CLA	CHC-C4B	3.21	1.46	1.39
13	aB	810	CLA	CHC-C4B	3.21	1.46	1.39
13	aB	827	CLA	OBD-CAD	3.21	1.28	1.22
13	aA	808	CLA	C4B-NB	-3.21	1.33	1.37
13	aB	816	CLA	C1B-NB	-3.21	1.33	1.37
13	bA	831	CLA	CHC-C4B	3.21	1.46	1.39
13	bB	822	CLA	C4B-NB	-3.21	1.33	1.37
13	cB	803	CLA	C1B-C2B	3.21	1.50	1.43
13	aB	830	CLA	OBD-CAD	3.21	1.28	1.22
13	dB	806	CLA	CHB-C1B	3.20	1.46	1.39
13	bA	815	CLA	C3D-C2D	3.20	1.47	1.39
13	bA	830	CLA	OBD-CAD	3.20	1.28	1.22
13	dB	823	CLA	C3D-C2D	3.20	1.47	1.39
15	aI	101	BCR	C1-C6	-3.20	1.49	1.53
13	aB	803	CLA	C1B-C2B	3.20	1.50	1.43
13	cK	203	CLA	C4B-NB	-3.20	1.33	1.37
13	cB	816	CLA	C1B-NB	-3.20	1.33	1.37
13	aA	802	CLA	OBD-CAD	3.20	1.28	1.22
13	dB	816	CLA	CHC-C4B	3.20	1.46	1.39
13	aA	836	CLA	C4B-NB	-3.20	1.33	1.37
13	bA	812	CLA	CHC-C4B	3.20	1.46	1.39
13	aB	813	CLA	C1B-NB	-3.20	1.33	1.37
13	dA	824	CLA	C4B-NB	-3.20	1.33	1.37
13	bB	806	CLA	CHB-C1B	3.20	1.46	1.39
15	bA	850	BCR	C30-C25	-3.20	1.49	1.53
13	dA	823	CLA	CHB-C1B	3.19	1.46	1.39
13	dA	804	CLA	OBD-CAD	3.19	1.28	1.22
13	cL	202	CLA	CHC-C4B	3.19	1.46	1.39
13	bA	822	CLA	CHC-C4B	3.19	1.46	1.39
13	cB	810	CLA	CHC-C4B	3.19	1.46	1.39
13	aB	833	CLA	CHC-C4B	3.19	1.46	1.39
13	bA	816	CLA	C4B-NB	-3.19	1.33	1.37
13	dA	826	CLA	OBD-CAD	3.19	1.28	1.22
13	dA	817	CLA	CHB-C1B	3.19	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	832	CLA	CHB-C1B	3.19	1.46	1.39
13	bA	823	CLA	CHB-C1B	3.19	1.46	1.39
13	cA	843	CLA	CHB-C1B	3.19	1.46	1.39
13	aB	803	CLA	CHC-C4B	3.19	1.46	1.39
13	cB	803	CLA	CHC-C4B	3.19	1.46	1.39
13	cA	818	CLA	OBD-CAD	3.19	1.28	1.22
13	bA	829	CLA	OBD-CAD	3.19	1.28	1.22
13	dA	812	CLA	CHC-C4B	3.19	1.46	1.39
13	cA	840	CLA	CHC-C4B	3.19	1.46	1.39
13	bB	802	CLA	C3D-C2D	3.18	1.47	1.39
13	bB	832	CLA	CHB-C1B	3.18	1.46	1.39
13	dA	822	CLA	CHC-C4B	3.18	1.46	1.39
13	bL	203	CLA	OBD-CAD	3.18	1.28	1.22
13	bB	820	CLA	CHB-C1B	3.18	1.46	1.39
13	aA	829	CLA	OBD-CAD	3.18	1.28	1.22
13	dA	830	CLA	OBD-CAD	3.18	1.28	1.22
13	aA	821	CLA	C4B-NB	-3.18	1.33	1.37
13	cA	821	CLA	C4B-NB	-3.18	1.33	1.37
13	dB	817	CLA	C4B-NB	-3.18	1.33	1.37
13	bB	816	CLA	CHC-C4B	3.18	1.46	1.39
13	dA	816	CLA	C4B-NB	-3.18	1.33	1.37
13	dB	822	CLA	C4B-NB	-3.18	1.33	1.37
13	dA	825	CLA	OBD-CAD	3.18	1.28	1.22
13	aB	805	CLA	CHC-C4B	3.18	1.46	1.39
13	dA	829	CLA	OBD-CAD	3.18	1.28	1.22
13	bA	840	CLA	CHD-C4C	3.18	1.46	1.39
13	bL	202	CLA	CHC-C4B	3.18	1.46	1.39
13	dL	202	CLA	CHC-C4B	3.18	1.46	1.39
13	aA	819	CLA	OBD-CAD	3.18	1.28	1.22
13	bA	810	CLA	CHB-C1B	3.18	1.46	1.39
13	dB	820	CLA	CHB-C1B	3.18	1.46	1.39
13	bA	825	CLA	OBD-CAD	3.18	1.28	1.22
13	dB	812	CLA	CHB-C1B	3.17	1.46	1.39
13	cA	828	CLA	OBD-CAD	3.17	1.27	1.22
13	cA	824	CLA	C4B-NB	-3.17	1.33	1.37
13	cA	838	CLA	CHC-C4B	3.17	1.46	1.39
13	aA	843	CLA	CHB-C1B	3.17	1.46	1.39
13	bB	823	CLA	C3D-C2D	3.17	1.47	1.39
13	dB	802	CLA	C3D-C2D	3.17	1.47	1.39
13	aA	828	CLA	C3D-C2D	3.17	1.47	1.39
13	cA	828	CLA	C3D-C2D	3.17	1.47	1.39
13	dB	812	CLA	C1B-NB	-3.17	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	817	CLA	CHB-C1B	3.17	1.46	1.39
13	bB	810	CLA	CHC-C4B	3.17	1.46	1.39
13	dA	810	CLA	CHB-C1B	3.17	1.46	1.39
13	dB	804	CLA	C1C-NC	-3.17	1.32	1.37
13	bB	817	CLA	C4B-NB	-3.17	1.33	1.37
13	bB	812	CLA	CHB-C1B	3.17	1.46	1.39
13	cB	833	CLA	CHC-C4B	3.17	1.46	1.39
13	bA	824	CLA	C4B-NB	-3.17	1.33	1.37
13	bB	830	CLA	CHB-C1B	3.16	1.46	1.39
13	dB	810	CLA	CHC-C4B	3.16	1.46	1.39
13	dA	832	CLA	OBD-CAD	3.16	1.27	1.22
15	cI	101	BCR	C1-C6	-3.16	1.49	1.53
13	aA	828	CLA	C4B-NB	-3.16	1.33	1.37
13	aA	834	CLA	OBD-CAD	3.16	1.27	1.22
13	cA	834	CLA	OBD-CAD	3.16	1.27	1.22
15	bB	834	BCR	C1-C6	-3.16	1.49	1.53
13	bA	817	CLA	CHB-C1B	3.16	1.46	1.39
13	cA	829	CLA	OBD-CAD	3.16	1.27	1.22
13	dA	840	CLA	CHD-C4C	3.16	1.46	1.39
13	bF	201	CLA	CHB-C1B	3.16	1.46	1.39
15	bA	848	BCR	C30-C25	-3.16	1.49	1.53
13	cA	835	CLA	CHB-C1B	3.16	1.46	1.39
13	bB	812	CLA	C4B-NB	-3.16	1.33	1.37
13	aA	828	CLA	OBD-CAD	3.16	1.27	1.22
13	aB	818	CLA	CHB-C1B	3.16	1.46	1.39
13	dL	203	CLA	OBD-CAD	3.16	1.27	1.22
13	aA	826	CLA	C3D-C2D	3.16	1.47	1.39
13	cA	826	CLA	C3D-C2D	3.16	1.47	1.39
13	aB	830	CLA	CHB-C1B	3.16	1.46	1.39
13	aB	827	CLA	C1B-NB	-3.16	1.33	1.37
13	cB	827	CLA	CHB-C1B	3.16	1.46	1.39
13	cB	830	CLA	CHB-C1B	3.16	1.46	1.39
13	aA	824	CLA	C4B-NB	-3.15	1.33	1.37
13	dB	830	CLA	CHB-C1B	3.15	1.46	1.39
13	aB	827	CLA	CHB-C1B	3.15	1.46	1.39
13	cA	802	CLA	OBD-CAD	3.15	1.27	1.22
13	aB	819	CLA	CHB-C1B	3.15	1.46	1.39
13	aB	823	CLA	CHC-C4B	3.15	1.46	1.39
13	dA	840	CLA	C3D-C4D	-3.15	1.37	1.44
13	bB	821	CLA	C4B-NB	-3.15	1.33	1.37
13	bA	832	CLA	OBD-CAD	3.15	1.27	1.22
13	aL	204	CLA	C4B-NB	-3.15	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	822	CLA	C4B-NB	-3.15	1.33	1.37
13	bA	844	CLA	CHB-C1B	3.15	1.46	1.39
13	dF	201	CLA	CHB-C1B	3.15	1.46	1.39
15	dB	834	BCR	C1-C6	-3.15	1.49	1.53
13	aA	818	CLA	C4B-NB	-3.15	1.33	1.37
13	cA	818	CLA	C4B-NB	-3.15	1.33	1.37
13	aA	831	CLA	CHC-C4B	3.15	1.46	1.39
13	bJ	101	CLA	C4B-NB	-3.14	1.33	1.37
13	aK	203	CLA	CHB-C1B	3.14	1.46	1.39
13	cB	818	CLA	CHB-C1B	3.14	1.46	1.39
13	dB	831	CLA	CHC-C4B	3.14	1.46	1.39
13	aA	838	CLA	CHC-C4B	3.14	1.46	1.39
13	bA	809	CLA	CHB-C1B	3.14	1.46	1.39
13	bB	804	CLA	C1C-NC	-3.14	1.32	1.37
13	cL	204	CLA	C4B-NB	-3.14	1.33	1.37
15	dJ	102	BCR	C1-C6	-3.14	1.49	1.53
13	dJ	101	CLA	C4B-NB	-3.14	1.33	1.37
13	cB	826	CLA	CHB-C1B	3.14	1.46	1.39
15	dA	848	BCR	C30-C25	-3.14	1.49	1.53
13	cB	819	CLA	CHB-C1B	3.14	1.46	1.39
13	dA	809	CLA	CHB-C1B	3.14	1.46	1.39
13	aB	825	CLA	CHB-C1B	3.14	1.46	1.39
13	dA	843	CLA	CHB-C1B	3.13	1.46	1.39
13	bA	840	CLA	C3D-C4D	-3.13	1.37	1.44
13	dB	804	CLA	C1D-ND	3.13	1.42	1.37
13	aA	811	CLA	CHB-C1B	3.13	1.46	1.39
13	bB	804	CLA	C1D-ND	3.13	1.42	1.37
13	aA	835	CLA	CHB-C1B	3.13	1.46	1.39
13	cB	825	CLA	CHB-C1B	3.13	1.46	1.39
13	cA	828	CLA	C4B-NB	-3.13	1.33	1.37
13	cB	823	CLA	CHC-C4B	3.13	1.46	1.39
13	bA	843	CLA	CHB-C1B	3.13	1.46	1.39
13	cK	203	CLA	CHB-C1B	3.13	1.46	1.39
13	dA	844	CLA	CHB-C1B	3.13	1.46	1.39
15	dA	850	BCR	C30-C25	-3.13	1.49	1.53
13	aB	824	CLA	C4B-NB	-3.13	1.33	1.37
13	dA	826	CLA	CHC-C4B	3.13	1.46	1.39
13	bB	804	CLA	CHD-C1D	3.13	1.44	1.38
13	bB	809	CLA	OBD-CAD	3.12	1.27	1.22
13	bB	831	CLA	CHC-C4B	3.12	1.46	1.39
13	cB	801	CLA	CHC-C4B	3.12	1.46	1.39
15	dB	835	BCR	C1-C6	-3.12	1.49	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	826	CLA	CHB-C1B	3.12	1.46	1.39
13	aA	806	CLA	C4B-NB	-3.12	1.33	1.37
13	cA	808	CLA	C1B-NB	-3.12	1.33	1.37
13	aB	801	CLA	CHC-C4B	3.12	1.46	1.39
13	dB	821	CLA	C4B-NB	-3.12	1.33	1.37
13	cB	832	CLA	C4B-NB	-3.12	1.33	1.37
13	dB	803	CLA	C4B-NB	-3.12	1.33	1.37
13	dB	809	CLA	OBD-CAD	3.12	1.27	1.22
13	cB	824	CLA	C4B-NB	-3.12	1.33	1.37
13	cA	831	CLA	CHC-C4B	3.12	1.46	1.39
13	dB	812	CLA	C4B-NB	-3.12	1.33	1.37
13	bA	826	CLA	CHC-C4B	3.12	1.46	1.39
13	bB	813	CLA	C4B-NB	-3.12	1.33	1.37
13	cA	806	CLA	C4B-NB	-3.12	1.33	1.37
15	bJ	102	BCR	C1-C6	-3.12	1.49	1.53
13	bA	813	CLA	CHB-C1B	3.11	1.46	1.39
13	dB	820	CLA	C4B-NB	-3.11	1.33	1.37
13	dB	804	CLA	CHD-C1D	3.11	1.44	1.38
13	bA	822	CLA	C4B-NB	-3.11	1.33	1.37
13	cB	822	CLA	CHB-C1B	3.11	1.46	1.39
13	dA	829	CLA	CHC-C4B	3.11	1.46	1.39
13	aB	812	CLA	CHB-C1B	3.11	1.46	1.39
13	aB	822	CLA	CHB-C1B	3.11	1.46	1.39
13	dA	813	CLA	CHB-C1B	3.11	1.46	1.39
13	bA	809	CLA	OBD-CAD	3.11	1.27	1.22
13	cA	811	CLA	CHB-C1B	3.11	1.46	1.39
13	cA	843	CLA	CHC-C4B	3.11	1.46	1.39
15	bB	835	BCR	C1-C6	-3.11	1.49	1.53
13	cB	832	CLA	CHB-C1B	3.10	1.46	1.39
13	aA	843	CLA	CHC-C4B	3.10	1.46	1.39
13	bA	824	CLA	CHB-C1B	3.10	1.46	1.39
13	cA	834	CLA	CHB-C1B	3.10	1.46	1.39
13	dA	839	CLA	CHC-C4B	3.10	1.46	1.39
13	aA	834	CLA	CHB-C1B	3.10	1.46	1.39
13	dA	824	CLA	CHB-C1B	3.10	1.46	1.39
13	dA	805	CLA	CHB-C1B	3.10	1.46	1.39
13	aB	832	CLA	CHB-C1B	3.10	1.46	1.39
13	cB	812	CLA	CHB-C1B	3.10	1.46	1.39
13	bA	820	CLA	CHC-C4B	3.10	1.46	1.39
13	dA	810	CLA	C3D-C2D	3.10	1.47	1.39
13	bA	843	CLA	OBD-CAD	3.09	1.27	1.22
13	aB	807	CLA	C4C-C3C	3.09	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	807	CLA	C4C-C3C	3.09	1.50	1.45
13	dA	820	CLA	CHC-C4B	3.09	1.46	1.39
13	bA	805	CLA	CHB-C1B	3.09	1.46	1.39
13	aA	805	CLA	C4B-NB	-3.09	1.33	1.37
13	dB	830	CLA	OBD-CAD	3.09	1.27	1.22
13	bB	808	CLA	C4B-NB	-3.09	1.33	1.37
13	aB	811	CLA	OBD-CAD	3.09	1.27	1.22
13	bA	836	CLA	OBD-CAD	3.09	1.27	1.22
13	bB	807	CLA	CHC-C4B	3.09	1.46	1.39
13	cA	805	CLA	C4B-NB	-3.09	1.33	1.37
13	bA	839	CLA	CHC-C4B	3.09	1.46	1.39
13	bB	811	CLA	CHC-C4B	3.09	1.46	1.39
13	dB	805	CLA	C4B-NB	-3.09	1.33	1.37
13	dB	818	CLA	CHB-C1B	3.09	1.46	1.39
13	dB	808	CLA	C4B-NB	-3.08	1.33	1.37
13	aJ	101	CLA	CHB-C1B	3.08	1.46	1.39
13	cA	804	CLA	CHB-C1B	3.08	1.46	1.39
13	bB	830	CLA	OBD-CAD	3.08	1.27	1.22
13	aB	821	CLA	CHB-C1B	3.08	1.46	1.39
13	aB	831	CLA	C4B-NB	-3.08	1.33	1.37
13	cB	831	CLA	C4B-NB	-3.08	1.33	1.37
13	bA	828	CLA	CHB-C1B	3.08	1.46	1.39
13	aB	832	CLA	C4B-NB	-3.08	1.33	1.37
13	bA	819	CLA	CHB-C1B	3.08	1.46	1.39
13	aA	808	CLA	C1B-NB	-3.08	1.33	1.37
13	aA	804	CLA	CHB-C1B	3.08	1.46	1.39
13	aB	825	CLA	C4B-NB	-3.08	1.33	1.37
13	dB	806	CLA	C4C-C3C	3.08	1.50	1.45
13	aF	204	CLA	C1B-NB	-3.07	1.33	1.37
13	cF	204	CLA	C1B-NB	-3.07	1.33	1.37
13	dB	823	CLA	C4B-NB	-3.07	1.33	1.37
13	aB	808	CLA	CHB-C1B	3.07	1.46	1.39
13	cB	808	CLA	CHB-C1B	3.07	1.46	1.39
13	dF	204	CLA	CHB-C1B	3.07	1.46	1.39
13	dB	818	CLA	C4B-NB	-3.07	1.33	1.37
13	cB	821	CLA	CHB-C1B	3.07	1.46	1.39
13	bB	823	CLA	C4B-NB	-3.07	1.33	1.37
15	aF	202	BCR	C1-C6	-3.07	1.49	1.53
13	cF	201	CLA	CHB-C1B	3.07	1.46	1.39
13	aA	807	CLA	C4B-NB	-3.07	1.33	1.37
13	aA	843	CLA	C4B-NB	-3.07	1.33	1.37
13	dB	832	CLA	C4B-NB	-3.07	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	835	CLA	CHC-C4B	3.07	1.46	1.39
13	bF	204	CLA	CHB-C1B	3.07	1.46	1.39
13	bB	803	CLA	C4B-NB	-3.07	1.33	1.37
13	dA	828	CLA	CHB-C1B	3.07	1.46	1.39
13	aA	813	CLA	CHB-C1B	3.07	1.46	1.39
13	bA	829	CLA	CHC-C4B	3.07	1.46	1.39
13	dA	809	CLA	OBD-CAD	3.07	1.27	1.22
13	aA	841	CLA	CHB-C1B	3.07	1.46	1.39
13	cA	841	CLA	CHB-C1B	3.07	1.46	1.39
13	dB	811	CLA	CHC-C4B	3.07	1.46	1.39
13	bA	810	CLA	C3D-C2D	3.07	1.47	1.39
13	bA	814	CLA	CHC-C4B	3.07	1.46	1.39
13	aF	201	CLA	CHB-C1B	3.07	1.46	1.39
13	dB	807	CLA	CHC-C4B	3.07	1.46	1.39
13	dA	819	CLA	CHB-C1B	3.06	1.46	1.39
13	dB	807	CLA	CHB-C1B	3.06	1.46	1.39
13	bB	820	CLA	C4B-NB	-3.06	1.33	1.37
13	dB	813	CLA	C4B-NB	-3.06	1.33	1.37
13	bA	811	CLA	CHC-C4B	3.06	1.46	1.39
13	bA	810	CLA	C4B-NB	-3.06	1.33	1.37
13	cB	825	CLA	C4B-NB	-3.06	1.33	1.37
13	bB	809	CLA	CHB-C1B	3.06	1.46	1.39
13	aA	823	CLA	CHB-C1B	3.06	1.46	1.39
13	aA	825	CLA	OBD-CAD	3.06	1.27	1.22
13	cA	822	CLA	OBD-CAD	3.06	1.27	1.22
13	cA	807	CLA	C4B-NB	-3.06	1.33	1.37
13	bB	805	CLA	C4B-NB	-3.06	1.33	1.37
13	cA	843	CLA	C4B-NB	-3.06	1.33	1.37
15	aL	201	BCR	C1-C6	-3.06	1.49	1.53
13	dL	202	CLA	CHB-C1B	3.06	1.46	1.39
15	bJ	104	BCR	C30-C25	-3.06	1.49	1.53
13	aK	201	CLA	CHC-C4B	3.06	1.46	1.39
13	bB	832	CLA	C4B-NB	-3.06	1.33	1.37
13	aA	809	CLA	CHB-C1B	3.06	1.46	1.39
13	cA	821	CLA	CHC-C4B	3.06	1.46	1.39
13	dB	802	CLA	C1B-C2B	3.05	1.50	1.43
13	aA	820	CLA	CHC-C4B	3.05	1.46	1.39
13	cA	820	CLA	CHC-C4B	3.05	1.46	1.39
13	dA	843	CLA	OBD-CAD	3.05	1.27	1.22
15	dJ	104	BCR	C30-C25	-3.05	1.49	1.53
13	bB	807	CLA	CHB-C1B	3.05	1.46	1.39
13	dB	809	CLA	CHB-C1B	3.05	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	818	CLA	C4B-NB	-3.05	1.33	1.37
13	cA	809	CLA	CHB-C1B	3.05	1.46	1.39
13	aA	838	CLA	OBD-CAD	3.05	1.27	1.22
13	aF	204	CLA	CHB-C1B	3.05	1.46	1.39
13	aL	202	CLA	CHB-C1B	3.05	1.46	1.39
13	aA	812	CLA	C4B-NB	-3.05	1.33	1.37
13	cA	812	CLA	C4B-NB	-3.05	1.33	1.37
13	dA	835	CLA	CHC-C4B	3.05	1.46	1.39
13	bB	802	CLA	C1B-C2B	3.05	1.50	1.43
13	aA	821	CLA	CHC-C4B	3.05	1.46	1.39
13	dA	836	CLA	OBD-CAD	3.05	1.27	1.22
13	dA	811	CLA	CHC-C4B	3.05	1.46	1.39
13	cL	202	CLA	CHB-C1B	3.05	1.46	1.39
13	aA	816	CLA	CHB-C1B	3.05	1.46	1.39
13	bB	818	CLA	CHB-C1B	3.05	1.46	1.39
13	cF	204	CLA	CHB-C1B	3.05	1.46	1.39
13	bL	202	CLA	CHB-C1B	3.04	1.46	1.39
13	bB	806	CLA	C4C-C3C	3.04	1.50	1.45
13	bB	807	CLA	OBD-CAD	3.04	1.27	1.22
13	dA	814	CLA	CHC-C4B	3.04	1.46	1.39
15	cF	202	BCR	C1-C6	-3.04	1.49	1.53
13	cB	808	CLA	OBD-CAD	3.04	1.27	1.22
18	bB	837	LMG	C3-C2	3.04	1.60	1.52
13	cB	815	CLA	C4B-NB	-3.04	1.33	1.37
13	cJ	101	CLA	CHB-C1B	3.04	1.46	1.39
15	cL	201	BCR	C1-C6	-3.04	1.49	1.53
13	aA	831	CLA	CHB-C1B	3.04	1.46	1.39
13	cB	811	CLA	OBD-CAD	3.04	1.27	1.22
13	cK	201	CLA	CHC-C4B	3.04	1.46	1.39
13	aA	829	CLA	CHB-C1B	3.04	1.46	1.39
13	cA	816	CLA	CHB-C1B	3.04	1.46	1.39
13	aB	815	CLA	C4B-NB	-3.03	1.33	1.37
13	dB	807	CLA	OBD-CAD	3.03	1.27	1.22
13	aB	816	CLA	CHB-C1B	3.03	1.46	1.39
13	cB	816	CLA	CHB-C1B	3.03	1.46	1.39
13	cA	829	CLA	CHB-C1B	3.03	1.46	1.39
13	aK	201	CLA	CHB-C1B	3.03	1.46	1.39
13	aB	827	CLA	C4B-NB	-3.03	1.33	1.37
13	bA	825	CLA	CHC-C4B	3.03	1.46	1.39
13	cA	831	CLA	CHB-C1B	3.03	1.46	1.39
13	aA	822	CLA	OBD-CAD	3.03	1.27	1.22
13	cA	823	CLA	CHB-C1B	3.03	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	804	CLA	CHB-C1B	3.03	1.46	1.39
13	dA	804	CLA	CHB-C1B	3.03	1.46	1.39
13	cA	838	CLA	OBD-CAD	3.03	1.27	1.22
13	cA	813	CLA	CHB-C1B	3.02	1.46	1.39
18	dB	837	LMG	C3-C2	3.02	1.60	1.52
13	cA	840	CLA	CHB-C1B	3.02	1.46	1.39
13	aK	204	CLA	CHC-C4B	3.02	1.46	1.39
13	cA	825	CLA	OBD-CAD	3.02	1.27	1.22
13	aA	833	CLA	CHB-C1B	3.02	1.46	1.39
13	cA	833	CLA	CHB-C1B	3.02	1.46	1.39
13	bF	204	CLA	C4B-NB	-3.02	1.33	1.37
13	bA	816	CLA	OBD-CAD	3.02	1.27	1.22
13	dA	816	CLA	OBD-CAD	3.02	1.27	1.22
13	aB	833	CLA	CHB-C1B	3.02	1.46	1.39
13	cK	201	CLA	CHB-C1B	3.02	1.46	1.39
13	cA	832	CLA	CHB-C1B	3.02	1.46	1.39
13	bB	804	CLA	OBD-CAD	3.02	1.27	1.22
13	aA	838	CLA	CHB-C1B	3.02	1.46	1.39
13	dA	825	CLA	CHC-C4B	3.02	1.46	1.39
13	cB	833	CLA	CHB-C1B	3.02	1.46	1.39
13	cB	804	CLA	C4B-NB	-3.01	1.33	1.37
13	aA	840	CLA	CHB-C1B	3.01	1.46	1.39
13	bB	825	CLA	C4B-NB	-3.01	1.33	1.37
13	cA	838	CLA	CHB-C1B	3.01	1.46	1.39
13	bA	805	CLA	C4B-NB	-3.01	1.33	1.37
13	dA	810	CLA	C4B-NB	-3.01	1.33	1.37
13	dB	825	CLA	C4B-NB	-3.01	1.33	1.37
13	bA	802	CLA	CHC-C4B	3.01	1.46	1.39
13	aB	808	CLA	OBD-CAD	3.00	1.27	1.22
15	bF	202	BCR	C30-C25	-3.00	1.49	1.53
13	cB	812	CLA	C4B-NB	-3.00	1.33	1.37
13	cB	827	CLA	C4B-NB	-3.00	1.33	1.37
13	cK	204	CLA	CHC-C4B	3.00	1.46	1.39
13	dF	204	CLA	C4B-NB	-3.00	1.33	1.37
13	aA	841	CLA	C4B-NB	-3.00	1.33	1.37
13	cA	817	CLA	C4B-NB	-3.00	1.33	1.37
13	bB	805	CLA	CHB-C1B	3.00	1.46	1.39
13	aB	812	CLA	C4B-NB	-3.00	1.33	1.37
13	cB	816	CLA	C4B-NB	-3.00	1.33	1.37
15	aL	205	BCR	C1-C6	-2.99	1.49	1.53
13	bA	806	CLA	OBD-CAD	2.99	1.27	1.22
13	dA	806	CLA	OBD-CAD	2.99	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	821	CLA	CHC-C4B	2.99	1.46	1.39
13	dA	802	CLA	CHC-C4B	2.99	1.46	1.39
13	bA	806	CLA	CHC-C4B	2.99	1.46	1.39
15	cB	837	BCR	C30-C25	-2.99	1.50	1.53
13	aA	817	CLA	C4B-NB	-2.99	1.33	1.37
13	bA	818	CLA	OBD-CAD	2.99	1.27	1.22
13	aB	806	CLA	C4B-NB	-2.99	1.33	1.37
13	cB	806	CLA	C4B-NB	-2.99	1.33	1.37
13	aB	804	CLA	C4B-NB	-2.99	1.33	1.37
13	cA	810	CLA	CHB-C1B	2.99	1.46	1.39
13	aA	832	CLA	CHB-C1B	2.99	1.46	1.39
15	cL	205	BCR	C1-C6	-2.99	1.50	1.53
15	aB	837	BCR	C30-C25	-2.99	1.50	1.53
13	dA	828	CLA	C3D-C2D	2.99	1.47	1.39
13	aA	809	CLA	C4B-NB	-2.99	1.33	1.37
13	aA	836	CLA	CHB-C1B	2.98	1.46	1.39
13	aB	816	CLA	C4B-NB	-2.98	1.33	1.37
13	aB	804	CLA	OBD-CAD	2.98	1.27	1.22
13	dA	806	CLA	CHC-C4B	2.98	1.46	1.39
13	cB	804	CLA	OBD-CAD	2.98	1.27	1.22
13	dB	826	CLA	CHB-C1B	2.98	1.46	1.39
13	bB	804	CLA	CHC-C4B	2.98	1.46	1.39
13	dA	818	CLA	OBD-CAD	2.98	1.27	1.22
13	cA	836	CLA	CHB-C1B	2.98	1.46	1.39
13	dB	804	CLA	CHC-C4B	2.98	1.46	1.39
13	cK	204	CLA	CHB-C1B	2.97	1.46	1.39
13	dB	821	CLA	CHB-C1B	2.97	1.46	1.39
13	aB	805	CLA	CHB-C1B	2.97	1.46	1.39
15	aB	836	BCR	C30-C25	-2.97	1.50	1.53
13	bA	828	CLA	C3D-C2D	2.97	1.47	1.39
13	aA	802	CLA	CHC-C4B	2.97	1.46	1.39
13	dA	805	CLA	C4B-NB	-2.97	1.34	1.37
13	dB	806	CLA	C4B-NB	-2.97	1.34	1.37
13	aK	204	CLA	CHB-C1B	2.97	1.46	1.39
13	bB	826	CLA	CHB-C1B	2.97	1.46	1.39
13	dA	842	CLA	CHB-C1B	2.97	1.46	1.39
13	cA	841	CLA	C4B-NB	-2.97	1.34	1.37
13	bB	821	CLA	CHB-C1B	2.97	1.46	1.39
13	dB	804	CLA	OBD-CAD	2.97	1.27	1.22
13	bA	819	CLA	C3D-C4D	-2.96	1.37	1.44
13	bA	832	CLA	CHC-C4B	2.96	1.46	1.39
13	bB	809	CLA	C4B-NB	-2.96	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	821	CLA	CHC-C4B	2.96	1.46	1.39
13	bA	843	CLA	C4B-NB	-2.96	1.34	1.37
15	aA	847	BCR	C1-C6	-2.96	1.50	1.53
15	cA	847	BCR	C1-C6	-2.96	1.50	1.53
13	bB	815	CLA	CHB-C1B	2.96	1.46	1.39
13	aA	807	CLA	CHB-C1B	2.96	1.46	1.39
13	dA	843	CLA	C4B-NB	-2.96	1.34	1.37
13	dA	828	CLA	C3D-C4D	-2.96	1.37	1.44
13	aA	810	CLA	CHB-C1B	2.96	1.46	1.39
13	dA	818	CLA	CHB-C1B	2.96	1.46	1.39
13	cA	807	CLA	CHB-C1B	2.96	1.46	1.39
13	dB	805	CLA	CHB-C1B	2.96	1.46	1.39
15	dB	835	BCR	C30-C25	-2.96	1.50	1.53
13	dA	819	CLA	C3D-C4D	-2.95	1.37	1.44
13	bB	823	CLA	C3D-C4D	-2.95	1.37	1.44
13	dB	816	CLA	C4B-NB	-2.95	1.34	1.37
13	cA	802	CLA	CHC-C4B	2.95	1.46	1.39
15	cA	846	BCR	C30-C25	-2.95	1.50	1.53
13	cB	834	CLA	CHC-C4B	2.95	1.46	1.39
13	dA	832	CLA	CHC-C4B	2.95	1.46	1.39
13	dB	820	CLA	C4D-CHA	2.95	1.48	1.38
13	bB	811	CLA	CHB-C1B	2.95	1.46	1.39
13	cA	809	CLA	C4B-NB	-2.95	1.34	1.37
13	dB	823	CLA	C3D-C4D	-2.95	1.37	1.44
13	dB	815	CLA	CHB-C1B	2.95	1.46	1.39
15	aA	846	BCR	C30-C25	-2.94	1.50	1.53
15	aB	836	BCR	C1-C6	-2.94	1.50	1.53
15	cB	836	BCR	C30-C25	-2.94	1.50	1.53
13	cB	805	CLA	CHB-C1B	2.94	1.46	1.39
13	bB	820	CLA	C4D-CHA	2.94	1.48	1.38
13	bB	816	CLA	C4B-NB	-2.94	1.34	1.37
13	cB	824	CLA	C3D-C2D	2.94	1.47	1.39
13	bA	842	CLA	CHB-C1B	2.94	1.46	1.39
13	cB	820	CLA	CHB-C1B	2.93	1.46	1.39
13	cA	839	CLA	CHB-C1B	2.93	1.46	1.39
13	dA	818	CLA	CHC-C4B	2.93	1.46	1.39
13	dA	844	CLA	C4B-NB	-2.93	1.34	1.37
15	dF	202	BCR	C30-C25	-2.93	1.50	1.53
13	aB	824	CLA	C3D-C2D	2.93	1.47	1.39
13	dA	836	CLA	CHB-C1B	2.93	1.46	1.39
13	dB	811	CLA	CHB-C1B	2.93	1.46	1.39
13	bA	828	CLA	C3D-C4D	-2.93	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	839	CLA	CHB-C1B	2.93	1.46	1.39
13	bB	822	CLA	CHB-C1B	2.93	1.46	1.39
13	dB	809	CLA	C4B-NB	-2.93	1.34	1.37
13	cB	811	CLA	CHC-C4B	2.93	1.46	1.39
13	aB	834	CLA	CHC-C4B	2.92	1.46	1.39
13	aB	820	CLA	CHB-C1B	2.92	1.46	1.39
13	cA	832	CLA	C3D-C4D	-2.92	1.37	1.44
15	bB	835	BCR	C30-C25	-2.92	1.50	1.53
13	bA	818	CLA	CHC-C4B	2.92	1.46	1.39
13	bA	836	CLA	CHB-C1B	2.92	1.46	1.39
15	cF	202	BCR	C30-C25	-2.92	1.50	1.53
13	bA	814	CLA	CHB-C1B	2.92	1.46	1.39
13	aA	824	CLA	CHB-C1B	2.92	1.46	1.39
13	cB	824	CLA	C3D-C4D	-2.92	1.37	1.44
13	aA	842	CLA	C4B-NB	-2.92	1.34	1.37
13	bA	818	CLA	CHB-C1B	2.92	1.46	1.39
13	aB	812	CLA	C3D-C2D	2.92	1.46	1.39
13	cA	824	CLA	CHB-C1B	2.92	1.46	1.39
13	aA	832	CLA	C3D-C4D	-2.92	1.37	1.44
13	aB	811	CLA	CHC-C4B	2.92	1.46	1.39
13	dB	832	CLA	CHC-C4B	2.91	1.46	1.39
13	bA	808	CLA	CHB-C1B	2.91	1.46	1.39
13	cB	812	CLA	C3D-C2D	2.91	1.46	1.39
13	dB	827	CLA	C4B-NB	-2.91	1.34	1.37
13	bA	815	CLA	CHB-C1B	2.91	1.45	1.39
13	dA	802	CLA	OBD-CAD	2.91	1.27	1.22
15	cB	836	BCR	C1-C6	-2.91	1.50	1.53
13	aB	824	CLA	C3D-C4D	-2.91	1.37	1.44
13	bA	816	CLA	CHB-C1B	2.91	1.45	1.39
15	cM	101	BCR	C30-C25	-2.91	1.50	1.53
13	cA	837	CLA	CHB-C1B	2.91	1.45	1.39
13	dA	808	CLA	CHB-C1B	2.91	1.45	1.39
13	bA	844	CLA	C4B-NB	-2.91	1.34	1.37
13	dA	815	CLA	CHB-C1B	2.90	1.45	1.39
13	dA	816	CLA	CHB-C1B	2.90	1.45	1.39
13	bB	827	CLA	C4B-NB	-2.90	1.34	1.37
13	dB	822	CLA	CHB-C1B	2.90	1.45	1.39
13	bB	806	CLA	C4B-NB	-2.90	1.34	1.37
13	bA	826	CLA	CHB-C1B	2.90	1.45	1.39
13	cA	842	CLA	C4B-NB	-2.90	1.34	1.37
13	bB	811	CLA	C3D-C4D	-2.90	1.37	1.44
13	dA	814	CLA	CHB-C1B	2.90	1.45	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	aM	101	BCR	C30-C25	-2.90	1.50	1.53
13	dA	812	CLA	CHB-C1B	2.90	1.45	1.39
13	dA	838	CLA	C3D-C2D	2.89	1.46	1.39
13	cB	817	CLA	C4B-NB	-2.89	1.34	1.37
13	bB	825	CLA	C3B-C4B	2.89	1.51	1.42
13	bB	832	CLA	CHC-C4B	2.89	1.45	1.39
13	dA	831	CLA	CHB-C1B	2.89	1.45	1.39
13	dJ	101	CLA	CHB-C1B	2.89	1.45	1.39
13	cA	840	CLA	C3D-C4D	-2.89	1.37	1.44
13	dB	811	CLA	C3D-C2D	2.89	1.46	1.39
13	bA	838	CLA	C3D-C2D	2.89	1.46	1.39
13	bA	837	CLA	CHB-C1B	2.89	1.45	1.39
13	aB	817	CLA	C4B-NB	-2.88	1.34	1.37
13	dL	203	CLA	C3D-C4D	-2.88	1.37	1.44
13	dB	811	CLA	C3D-C4D	-2.88	1.37	1.44
13	aB	813	CLA	C4B-NB	-2.88	1.34	1.37
13	aA	837	CLA	CHB-C1B	2.88	1.45	1.39
13	dA	826	CLA	CHB-C1B	2.88	1.45	1.39
13	aA	804	CLA	C4B-NB	-2.88	1.34	1.37
13	cA	804	CLA	C4B-NB	-2.88	1.34	1.37
13	bB	811	CLA	C3D-C2D	2.88	1.46	1.39
13	bA	821	CLA	CHB-C1B	2.88	1.45	1.39
13	bA	834	CLA	CHC-C4B	2.88	1.45	1.39
13	cB	813	CLA	C4B-NB	-2.88	1.34	1.37
15	aF	202	BCR	C30-C25	-2.88	1.50	1.53
13	aA	840	CLA	C3D-C4D	-2.88	1.37	1.44
13	dA	837	CLA	CHB-C1B	2.87	1.45	1.39
13	dB	827	CLA	C1B-NB	-2.87	1.34	1.37
13	aA	814	CLA	CHB-C1B	2.87	1.45	1.39
13	bL	203	CLA	C3D-C4D	-2.87	1.37	1.44
13	bA	812	CLA	CHB-C1B	2.87	1.45	1.39
13	dA	821	CLA	CHB-C1B	2.87	1.45	1.39
13	bA	831	CLA	CHB-C1B	2.87	1.45	1.39
13	bA	829	CLA	CHB-C1B	2.87	1.45	1.39
13	bA	802	CLA	OBD-CAD	2.87	1.27	1.22
13	dB	825	CLA	C3B-C4B	2.87	1.51	1.42
13	bJ	101	CLA	CHB-C1B	2.87	1.45	1.39
13	aA	819	CLA	C3D-C4D	-2.86	1.37	1.44
13	dA	834	CLA	CHC-C4B	2.86	1.45	1.39
13	cA	814	CLA	CHB-C1B	2.86	1.45	1.39
13	cA	819	CLA	C3D-C4D	-2.86	1.37	1.44
13	cB	829	CLA	C3B-C4B	2.86	1.51	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	821	CLA	OBD-CAD	2.86	1.27	1.22
13	bA	839	CLA	C1C-NC	-2.86	1.33	1.37
13	cF	204	CLA	C4B-NB	-2.86	1.34	1.37
13	dA	822	CLA	CHB-C1B	2.86	1.45	1.39
13	cB	806	CLA	CHB-C1B	2.85	1.45	1.39
13	aB	829	CLA	C3B-C4B	2.85	1.51	1.42
13	bB	832	CLA	C1C-NC	-2.85	1.33	1.37
13	dF	201	CLA	C4B-NB	-2.85	1.34	1.37
13	dA	825	CLA	CHB-C1B	2.84	1.45	1.39
13	aB	816	CLA	C4D-CHA	2.84	1.48	1.38
13	cB	816	CLA	C4D-CHA	2.84	1.48	1.38
13	bB	829	CLA	CHB-C1B	2.84	1.45	1.39
13	dA	813	CLA	C3D-C4D	-2.84	1.37	1.44
13	bA	825	CLA	CHB-C1B	2.84	1.45	1.39
13	dB	832	CLA	C1C-NC	-2.84	1.33	1.37
13	dB	816	CLA	C1B-C2B	2.84	1.49	1.43
13	bB	827	CLA	C1B-NB	-2.84	1.34	1.37
13	dA	810	CLA	C3D-C4D	-2.84	1.37	1.44
13	aB	806	CLA	C4D-CHA	2.83	1.48	1.38
13	bA	822	CLA	CHB-C1B	2.83	1.45	1.39
13	bB	819	CLA	CHB-C1B	2.83	1.45	1.39
13	dA	829	CLA	CHB-C1B	2.83	1.45	1.39
13	bA	813	CLA	C3D-C4D	-2.83	1.37	1.44
13	bA	839	CLA	C3D-C4D	-2.83	1.37	1.44
13	dA	839	CLA	C3D-C4D	-2.83	1.37	1.44
13	aB	806	CLA	CHB-C1B	2.83	1.45	1.39
13	bB	824	CLA	C4D-CHA	2.83	1.48	1.38
13	aA	802	CLA	CHB-C1B	2.83	1.45	1.39
13	aB	826	CLA	C3B-C4B	2.83	1.51	1.42
13	dA	832	CLA	CHB-C1B	2.83	1.45	1.39
13	bB	816	CLA	C1B-C2B	2.83	1.49	1.43
13	cB	806	CLA	C4D-CHA	2.83	1.48	1.38
13	aA	805	CLA	CHB-C1B	2.82	1.45	1.39
13	cB	821	CLA	OBD-CAD	2.82	1.27	1.22
13	aJ	101	CLA	C4B-NB	-2.82	1.34	1.37
13	dA	820	CLA	CHB-C1B	2.82	1.45	1.39
13	aB	829	CLA	C4D-CHA	2.82	1.48	1.38
13	dA	839	CLA	C1C-NC	-2.82	1.33	1.37
13	cJ	101	CLA	C4B-NB	-2.82	1.34	1.37
13	cA	802	CLA	CHB-C1B	2.82	1.45	1.39
13	dA	833	CLA	CHB-C1B	2.82	1.45	1.39
13	aA	826	CLA	C3D-C4D	-2.82	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	824	CLA	C4D-CHA	2.82	1.48	1.38
13	cB	826	CLA	C3B-C4B	2.82	1.50	1.42
13	aF	204	CLA	C4B-NB	-2.82	1.34	1.37
13	dB	829	CLA	CHB-C1B	2.82	1.45	1.39
13	cA	805	CLA	CHB-C1B	2.82	1.45	1.39
13	bB	814	CLA	C3D-C4D	-2.82	1.37	1.44
13	cA	826	CLA	C3D-C4D	-2.82	1.37	1.44
13	bA	810	CLA	C3D-C4D	-2.81	1.37	1.44
13	bA	840	CLA	CHB-C1B	2.81	1.45	1.39
13	aK	201	CLA	C3D-C4D	-2.81	1.37	1.44
13	cK	201	CLA	C3D-C4D	-2.81	1.37	1.44
15	cB	837	BCR	C1-C6	-2.81	1.50	1.53
13	bA	820	CLA	CHB-C1B	2.81	1.45	1.39
13	bA	838	CLA	CHC-C4B	2.81	1.45	1.39
13	dB	825	CLA	CHB-C1B	2.81	1.45	1.39
13	cB	829	CLA	C4D-CHA	2.81	1.48	1.38
13	aA	821	CLA	C1B-C2B	2.81	1.49	1.43
13	bA	804	CLA	C1C-NC	-2.81	1.33	1.37
13	bB	825	CLA	CHB-C1B	2.81	1.45	1.39
13	bA	832	CLA	CHB-C1B	2.80	1.45	1.39
13	dA	838	CLA	CHC-C4B	2.80	1.45	1.39
13	aA	820	CLA	CHB-C1B	2.80	1.45	1.39
13	cA	820	CLA	CHB-C1B	2.80	1.45	1.39
13	dB	819	CLA	CHB-C1B	2.80	1.45	1.39
13	cA	821	CLA	C1B-C2B	2.80	1.49	1.43
15	aB	837	BCR	C1-C6	-2.80	1.50	1.53
15	cJ	104	BCR	C1-C6	-2.80	1.50	1.53
13	aA	819	CLA	CHB-C1B	2.80	1.45	1.39
13	bB	827	CLA	C4D-CHA	2.80	1.48	1.38
13	dA	804	CLA	C1C-NC	-2.80	1.33	1.37
13	bA	834	CLA	C3D-C4D	-2.80	1.37	1.44
13	dA	826	CLA	C3D-C4D	-2.79	1.37	1.44
13	dA	840	CLA	C1C-NC	-2.79	1.33	1.37
13	bA	820	CLA	C4D-CHA	2.79	1.48	1.38
15	dF	203	BCR	C30-C25	-2.79	1.50	1.53
13	cB	821	CLA	C4D-CHA	2.79	1.48	1.38
13	aB	818	CLA	C4B-NB	-2.79	1.34	1.37
13	bF	201	CLA	C4B-NB	-2.79	1.34	1.37
13	dA	827	CLA	OBD-CAD	2.79	1.27	1.22
13	cA	827	CLA	CHB-C1B	2.79	1.45	1.39
13	dB	827	CLA	C4D-CHA	2.79	1.48	1.38
13	dA	820	CLA	C4D-CHA	2.79	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	819	CLA	CHB-C1B	2.78	1.45	1.39
13	bA	826	CLA	C3D-C4D	-2.78	1.37	1.44
13	dB	814	CLA	C3D-C4D	-2.78	1.37	1.44
13	cF	201	CLA	C4D-CHA	2.78	1.47	1.38
13	bA	827	CLA	OBD-CAD	2.78	1.27	1.22
13	dA	834	CLA	C3D-C4D	-2.78	1.37	1.44
13	aB	821	CLA	C4D-CHA	2.78	1.47	1.38
13	cB	824	CLA	C4C-C3C	2.78	1.49	1.45
13	aA	812	CLA	CHB-C1B	2.78	1.45	1.39
16	dA	853	LHG	O7-C5	-2.78	1.40	1.46
13	bA	822	CLA	C3D-C4D	-2.78	1.37	1.44
13	bA	827	CLA	C3D-C4D	-2.78	1.37	1.44
13	bA	833	CLA	CHB-C1B	2.78	1.45	1.39
13	dA	822	CLA	C3D-C4D	-2.78	1.37	1.44
13	bA	840	CLA	C1C-NC	-2.78	1.33	1.37
13	dA	840	CLA	CHB-C1B	2.78	1.45	1.39
13	aA	827	CLA	CHB-C1B	2.78	1.45	1.39
15	dA	851	BCR	C1-C6	-2.77	1.50	1.53
13	dB	814	CLA	C3D-C2D	2.77	1.46	1.39
13	dB	805	CLA	C4D-CHA	2.77	1.47	1.38
13	aA	841	CLA	C4D-CHA	2.77	1.47	1.38
13	bA	817	CLA	C4B-NB	-2.77	1.34	1.37
13	aF	201	CLA	C4D-CHA	2.77	1.47	1.38
13	cB	801	CLA	C1B-C2B	2.77	1.49	1.43
15	bF	203	BCR	C30-C25	-2.77	1.50	1.53
16	bA	853	LHG	O7-C5	-2.77	1.40	1.46
13	cA	812	CLA	CHB-C1B	2.77	1.45	1.39
13	dA	806	CLA	C1C-NC	-2.77	1.33	1.37
13	aA	828	CLA	C3D-C4D	-2.77	1.38	1.44
15	cA	845	BCR	C30-C25	-2.77	1.50	1.53
13	cB	812	CLA	C3D-C4D	-2.76	1.38	1.44
13	aB	801	CLA	C1B-C2B	2.76	1.49	1.43
13	aB	812	CLA	C3D-C4D	-2.76	1.38	1.44
15	aJ	104	BCR	C1-C6	-2.76	1.50	1.53
15	dJ	103	BCR	C30-C25	-2.76	1.50	1.53
13	bA	809	CLA	C4B-NB	-2.76	1.34	1.37
13	cA	815	CLA	C4D-CHA	2.76	1.47	1.38
13	aB	824	CLA	C4C-C3C	2.76	1.49	1.45
15	aA	849	BCR	C1-C6	-2.76	1.50	1.53
15	cA	849	BCR	C1-C6	-2.76	1.50	1.53
13	dA	818	CLA	C3D-C4D	-2.76	1.38	1.44
13	dA	827	CLA	C3D-C4D	-2.76	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	805	CLA	C4D-CHA	2.76	1.47	1.38
13	bA	818	CLA	C3D-C4D	-2.76	1.38	1.44
13	bB	814	CLA	C3D-C2D	2.76	1.46	1.39
15	dA	851	BCR	C30-C25	-2.76	1.50	1.53
13	bA	806	CLA	C1C-NC	-2.76	1.33	1.37
13	cA	828	CLA	C3D-C4D	-2.76	1.38	1.44
13	bA	833	CLA	C3D-C4D	-2.75	1.38	1.44
13	cA	841	CLA	C4D-CHA	2.75	1.47	1.38
13	dA	833	CLA	C3D-C4D	-2.75	1.38	1.44
13	dA	844	CLA	C4D-CHA	2.75	1.47	1.38
13	cB	818	CLA	C4B-NB	-2.75	1.34	1.37
15	bA	851	BCR	C30-C25	-2.75	1.50	1.53
15	cJ	102	BCR	C30-C25	-2.75	1.50	1.53
13	aA	815	CLA	C4D-CHA	2.75	1.47	1.38
13	bB	830	CLA	C4D-CHA	2.74	1.47	1.38
13	aB	832	CLA	OBD-CAD	2.74	1.27	1.22
13	cB	832	CLA	OBD-CAD	2.74	1.27	1.22
13	bA	826	CLA	C1C-NC	-2.74	1.33	1.37
13	cA	806	CLA	CHB-C1B	2.74	1.45	1.39
13	aB	807	CLA	C4D-CHA	2.74	1.47	1.38
13	cB	807	CLA	C4D-CHA	2.74	1.47	1.38
13	bB	831	CLA	C3D-C4D	-2.74	1.38	1.44
13	cA	809	CLA	C4D-CHA	2.74	1.47	1.38
13	cA	825	CLA	C3D-C4D	-2.74	1.38	1.44
13	bA	835	CLA	C3D-C4D	-2.74	1.38	1.44
13	cB	821	CLA	C4B-NB	-2.74	1.34	1.37
13	bL	203	CLA	CHB-C1B	2.74	1.45	1.39
13	dB	808	CLA	C1B-C2B	2.74	1.49	1.43
13	dA	817	CLA	C4B-NB	-2.74	1.34	1.37
13	bB	808	CLA	C1B-C2B	2.74	1.49	1.43
13	dB	830	CLA	C4D-CHA	2.74	1.47	1.38
13	bA	844	CLA	C4D-CHA	2.73	1.47	1.38
13	dB	831	CLA	C3D-C4D	-2.73	1.38	1.44
13	dA	835	CLA	C3D-C4D	-2.73	1.38	1.44
13	aB	813	CLA	C4D-CHA	2.73	1.47	1.38
13	aA	819	CLA	C4D-CHA	2.73	1.47	1.38
13	dL	203	CLA	CHB-C1B	2.73	1.45	1.39
13	aA	825	CLA	C3D-C4D	-2.73	1.38	1.44
13	bA	831	CLA	C3D-C4D	-2.73	1.38	1.44
13	cA	819	CLA	C4D-CHA	2.73	1.47	1.38
13	aB	821	CLA	C4B-NB	-2.73	1.34	1.37
13	bB	818	CLA	C4D-CHA	2.73	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	810	CLA	C4B-NB	-2.73	1.34	1.37
13	dA	832	CLA	C1C-NC	-2.73	1.33	1.37
13	cA	822	CLA	C3D-C4D	-2.73	1.38	1.44
13	aA	809	CLA	C4D-CHA	2.73	1.47	1.38
13	dA	809	CLA	C4B-NB	-2.72	1.34	1.37
13	cF	204	CLA	C4D-CHA	2.72	1.47	1.38
13	cA	810	CLA	C4D-CHA	2.72	1.47	1.38
13	aB	830	CLA	C4D-CHA	2.72	1.47	1.38
13	bA	840	CLA	OBD-CAD	2.72	1.27	1.22
13	dA	840	CLA	OBD-CAD	2.72	1.27	1.22
15	aA	845	BCR	C30-C25	-2.72	1.50	1.53
13	aA	827	CLA	C3D-C4D	-2.72	1.38	1.44
13	cA	827	CLA	C3D-C4D	-2.72	1.38	1.44
13	cB	813	CLA	C4D-CHA	2.72	1.47	1.38
15	bJ	104	BCR	C1-C6	-2.72	1.50	1.53
13	cB	830	CLA	C4D-CHA	2.72	1.47	1.38
13	dB	818	CLA	C4D-CHA	2.72	1.47	1.38
13	aB	820	CLA	C3B-C4B	2.72	1.50	1.42
13	bB	802	CLA	CHC-C4B	2.72	1.45	1.39
13	bA	835	CLA	CHB-C1B	2.72	1.45	1.39
13	aB	811	CLA	C1B-C2B	2.72	1.49	1.43
13	aA	810	CLA	C4D-CHA	2.72	1.47	1.38
15	aL	206	BCR	C1-C6	-2.72	1.50	1.53
13	aB	828	CLA	C4D-CHA	2.72	1.47	1.38
13	dA	831	CLA	C3D-C4D	-2.72	1.38	1.44
13	dA	835	CLA	CHB-C1B	2.72	1.45	1.39
13	aK	204	CLA	C4C-C3C	2.71	1.49	1.45
15	aJ	102	BCR	C30-C25	-2.71	1.50	1.53
13	aB	827	CLA	C4C-C3C	2.71	1.49	1.45
15	bA	851	BCR	C1-C6	-2.71	1.50	1.53
13	cB	811	CLA	C4D-CHA	2.71	1.47	1.38
13	cB	811	CLA	C1B-C2B	2.71	1.49	1.43
13	aA	822	CLA	C3D-C4D	-2.71	1.38	1.44
13	cB	826	CLA	C4D-CHA	2.71	1.47	1.38
13	cA	825	CLA	CHB-C1B	2.71	1.45	1.39
13	bA	807	CLA	C3D-C4D	-2.71	1.38	1.44
13	dB	804	CLA	C3D-C4D	-2.71	1.38	1.44
13	aB	811	CLA	C4D-CHA	2.71	1.47	1.38
13	dL	202	CLA	C3D-C4D	-2.71	1.38	1.44
13	aB	811	CLA	C4C-C3C	2.71	1.49	1.45
13	cB	828	CLA	C4D-CHA	2.71	1.47	1.38
13	cB	827	CLA	C4C-C3C	2.71	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aJ	101	CLA	C4D-CHA	2.71	1.47	1.38
13	aA	825	CLA	CHB-C1B	2.71	1.45	1.39
15	cL	206	BCR	C1-C6	-2.70	1.50	1.53
13	cB	820	CLA	C3B-C4B	2.70	1.50	1.42
13	aA	838	CLA	C3D-C4D	-2.70	1.38	1.44
13	bB	804	CLA	C3D-C4D	-2.70	1.38	1.44
13	dB	802	CLA	CHC-C4B	2.70	1.45	1.39
13	aB	826	CLA	C4D-CHA	2.70	1.47	1.38
15	bJ	103	BCR	C30-C25	-2.70	1.50	1.53
13	aA	828	CLA	C4D-CHA	2.70	1.47	1.38
13	aF	204	CLA	C4D-CHA	2.70	1.47	1.38
13	cA	828	CLA	C4D-CHA	2.70	1.47	1.38
13	cJ	101	CLA	C4D-CHA	2.70	1.47	1.38
13	aA	828	CLA	CHB-C1B	2.70	1.45	1.39
13	cA	828	CLA	CHB-C1B	2.70	1.45	1.39
13	aB	822	CLA	C4D-CHA	2.70	1.47	1.38
13	cB	822	CLA	C4D-CHA	2.70	1.47	1.38
13	aA	806	CLA	CHB-C1B	2.70	1.45	1.39
12	aA	801	CL0	CBD-CGD	-2.70	1.49	1.52
13	bA	830	CLA	C3D-C4D	-2.70	1.38	1.44
13	dA	807	CLA	C3D-C4D	-2.70	1.38	1.44
13	dA	826	CLA	C1C-NC	-2.70	1.33	1.37
13	cA	803	CLA	C4D-CHA	2.70	1.47	1.38
13	cA	838	CLA	C3D-C4D	-2.70	1.38	1.44
13	aA	803	CLA	C4D-CHA	2.70	1.47	1.38
13	cA	843	CLA	C4D-CHA	2.70	1.47	1.38
13	cB	810	CLA	C4B-NB	-2.70	1.34	1.37
13	aA	843	CLA	C4D-CHA	2.70	1.47	1.38
13	dA	839	CLA	OBD-CAD	2.70	1.27	1.22
13	bB	816	CLA	C4D-CHA	2.69	1.47	1.38
12	cA	801	CL0	CBD-CGD	-2.69	1.49	1.52
13	aB	818	CLA	C4D-CHA	2.69	1.47	1.38
13	dB	813	CLA	C1C-C2C	2.69	1.50	1.44
13	bA	839	CLA	OBD-CAD	2.69	1.27	1.22
13	bB	812	CLA	C4D-CHA	2.69	1.47	1.38
13	dA	830	CLA	C3D-C4D	-2.69	1.38	1.44
13	cK	204	CLA	C4C-C3C	2.69	1.49	1.45
13	bA	832	CLA	C1C-NC	-2.69	1.33	1.37
13	cB	818	CLA	C4D-CHA	2.69	1.47	1.38
13	bA	836	CLA	C3D-C4D	-2.69	1.38	1.44
13	bB	811	CLA	C4D-CHA	2.69	1.47	1.38
13	dB	816	CLA	C4D-CHA	2.69	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	802	CLA	C3D-C4D	-2.69	1.38	1.44
13	aB	807	CLA	C3B-C4B	2.69	1.50	1.42
13	cB	807	CLA	C3B-C4B	2.69	1.50	1.42
15	dJ	104	BCR	C1-C6	-2.69	1.50	1.53
15	aJ	103	BCR	C1-C6	-2.69	1.50	1.53
13	bL	202	CLA	C3D-C4D	-2.69	1.38	1.44
13	cB	834	CLA	C3D-C4D	-2.69	1.38	1.44
13	dA	836	CLA	C3D-C4D	-2.68	1.38	1.44
13	aA	820	CLA	C4D-CHA	2.68	1.47	1.38
13	cA	820	CLA	C4D-CHA	2.68	1.47	1.38
13	dA	807	CLA	C1C-NC	-2.68	1.33	1.37
16	bA	852	LHG	O7-C5	-2.68	1.40	1.46
13	bB	814	CLA	C4B-NB	-2.68	1.34	1.37
13	bA	806	CLA	C3D-C4D	-2.68	1.38	1.44
13	dB	811	CLA	C4D-CHA	2.68	1.47	1.38
15	aK	202	BCR	C30-C25	-2.68	1.50	1.53
15	cK	202	BCR	C30-C25	-2.68	1.50	1.53
13	bA	806	CLA	CHB-C1B	2.68	1.45	1.39
13	dA	806	CLA	CHB-C1B	2.68	1.45	1.39
13	bB	802	CLA	C3D-C4D	-2.68	1.38	1.44
13	cA	841	CLA	C1B-C2B	2.68	1.49	1.43
13	cA	831	CLA	C4D-CHA	2.68	1.47	1.38
13	aB	814	CLA	C4C-C3C	2.68	1.49	1.45
16	dA	852	LHG	O7-C5	-2.68	1.40	1.46
13	cA	827	CLA	OBD-CAD	2.68	1.27	1.22
13	bA	811	CLA	C1B-C2B	2.68	1.49	1.43
13	cB	811	CLA	C4C-C3C	2.68	1.49	1.45
13	cB	808	CLA	C4D-CHA	2.68	1.47	1.38
13	aB	817	CLA	C4D-CHA	2.67	1.47	1.38
13	dB	812	CLA	C4D-CHA	2.67	1.47	1.38
13	bJ	101	CLA	C4D-CHA	2.67	1.47	1.38
13	cB	817	CLA	C4D-CHA	2.67	1.47	1.38
13	cL	204	CLA	C4D-CHA	2.67	1.47	1.38
13	dJ	101	CLA	C4D-CHA	2.67	1.47	1.38
13	aB	814	CLA	C4D-CHA	2.67	1.47	1.38
13	cB	814	CLA	C4D-CHA	2.67	1.47	1.38
13	dB	831	CLA	CHB-C1B	2.67	1.45	1.39
13	aA	808	CLA	C4C-C3C	2.67	1.49	1.45
13	dB	822	CLA	C3D-C4D	-2.67	1.38	1.44
13	aB	808	CLA	C4D-CHA	2.67	1.47	1.38
13	aA	841	CLA	C1B-C2B	2.67	1.49	1.43
15	cJ	103	BCR	C1-C6	-2.67	1.50	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	807	CLA	C1C-NC	-2.67	1.33	1.37
13	aK	204	CLA	C4D-CHA	2.67	1.47	1.38
13	dA	811	CLA	C1B-C2B	2.67	1.49	1.43
13	aB	804	CLA	C4D-CHA	2.67	1.47	1.38
13	aB	809	CLA	C4B-NB	-2.67	1.34	1.37
13	cB	801	CLA	C4D-CHA	2.67	1.47	1.38
12	dA	801	CL0	CBD-CGD	-2.66	1.49	1.52
13	bB	817	CLA	C4D-CHA	2.66	1.47	1.38
13	cB	821	CLA	C3B-C4B	2.66	1.50	1.42
13	aB	821	CLA	C3B-C4B	2.66	1.50	1.42
13	dB	817	CLA	C4D-CHA	2.66	1.47	1.38
13	dA	825	CLA	C3D-C4D	-2.66	1.38	1.44
13	dL	203	CLA	C1C-NC	-2.66	1.33	1.37
13	dA	841	CLA	C4D-CHA	2.66	1.47	1.38
13	aA	841	CLA	C4C-C3C	2.66	1.49	1.45
13	cB	814	CLA	C4C-C3C	2.66	1.49	1.45
13	cA	816	CLA	C4D-CHA	2.66	1.47	1.38
13	aA	827	CLA	OBD-CAD	2.66	1.27	1.22
13	cK	204	CLA	C4D-CHA	2.66	1.47	1.38
13	aB	819	CLA	C4D-CHA	2.66	1.47	1.38
13	aA	814	CLA	C4D-CHA	2.66	1.47	1.38
13	cA	814	CLA	C4D-CHA	2.66	1.47	1.38
13	aB	801	CLA	C4D-CHA	2.66	1.47	1.38
13	dA	806	CLA	C3D-C4D	-2.66	1.38	1.44
13	cB	819	CLA	C4D-CHA	2.66	1.47	1.38
13	cA	841	CLA	C4C-C3C	2.66	1.49	1.45
13	bL	203	CLA	C1C-NC	-2.66	1.33	1.37
13	bA	841	CLA	C4D-CHA	2.66	1.47	1.38
13	aL	204	CLA	C4D-CHA	2.65	1.47	1.38
13	dA	802	CLA	CHB-C1B	2.65	1.45	1.39
13	aA	831	CLA	C4D-CHA	2.65	1.47	1.38
13	cB	809	CLA	C4B-NB	-2.65	1.34	1.37
13	bB	813	CLA	C1C-C2C	2.65	1.49	1.44
13	cB	804	CLA	C4D-CHA	2.65	1.47	1.38
13	aA	811	CLA	C4D-CHA	2.65	1.47	1.38
15	bJ	103	BCR	C1-C6	-2.65	1.50	1.53
13	cA	811	CLA	C4D-CHA	2.65	1.47	1.38
13	dA	804	CLA	C4D-CHA	2.65	1.47	1.38
13	dB	818	CLA	C3B-C4B	2.65	1.50	1.42
13	dA	835	CLA	C1C-NC	-2.65	1.33	1.37
13	dA	817	CLA	C4D-CHA	2.65	1.47	1.38
13	cB	832	CLA	C4D-CHA	2.65	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	813	CLA	C4D-CHA	2.65	1.47	1.38
13	bF	201	CLA	C4D-CHA	2.65	1.47	1.38
13	dB	814	CLA	C4B-NB	-2.65	1.34	1.37
13	bA	825	CLA	C3D-C4D	-2.65	1.38	1.44
13	aA	816	CLA	C4D-CHA	2.65	1.47	1.38
13	cA	813	CLA	C4D-CHA	2.64	1.47	1.38
13	aA	806	CLA	C3D-C4D	-2.64	1.38	1.44
13	aB	834	CLA	C3D-C4D	-2.64	1.38	1.44
13	bA	811	CLA	C4D-CHA	2.64	1.47	1.38
13	dB	807	CLA	C4D-CHA	2.64	1.47	1.38
13	cB	815	CLA	C1B-C2B	2.64	1.49	1.43
13	cB	815	CLA	C4D-CHA	2.64	1.47	1.38
13	cB	813	CLA	C1B-C2B	2.64	1.49	1.43
13	bA	832	CLA	C3D-C4D	-2.64	1.38	1.44
13	cF	201	CLA	C4C-C3C	2.64	1.49	1.45
13	aA	833	CLA	C3D-C4D	-2.64	1.38	1.44
15	dJ	103	BCR	C1-C6	-2.64	1.50	1.53
13	aA	836	CLA	C4D-CHA	2.64	1.47	1.38
13	bB	807	CLA	C4D-CHA	2.64	1.47	1.38
13	bB	822	CLA	C3D-C4D	-2.64	1.38	1.44
13	aB	815	CLA	C1B-C2B	2.64	1.49	1.43
13	aF	201	CLA	C4C-C3C	2.64	1.49	1.45
13	cA	808	CLA	C4C-C3C	2.64	1.49	1.45
13	bB	831	CLA	CHB-C1B	2.64	1.45	1.39
13	cA	836	CLA	C4D-CHA	2.64	1.47	1.38
13	aB	813	CLA	C1B-C2B	2.64	1.49	1.43
13	dA	832	CLA	C3D-C4D	-2.64	1.38	1.44
13	dA	811	CLA	C4D-CHA	2.64	1.47	1.38
13	bA	802	CLA	CHB-C1B	2.64	1.45	1.39
15	aK	205	BCR	C1-C6	-2.64	1.50	1.53
13	aA	835	CLA	C4D-CHA	2.63	1.47	1.38
13	bA	817	CLA	C4D-CHA	2.63	1.47	1.38
13	cA	833	CLA	C3D-C4D	-2.63	1.38	1.44
13	aA	823	CLA	C4D-CHA	2.63	1.47	1.38
13	cA	821	CLA	C4D-CHA	2.63	1.47	1.38
13	cA	823	CLA	C4D-CHA	2.63	1.47	1.38
13	dA	816	CLA	C4D-CHA	2.63	1.47	1.38
13	aL	202	CLA	C4D-CHA	2.63	1.47	1.38
13	aA	821	CLA	C4D-CHA	2.63	1.47	1.38
13	dA	812	CLA	C3D-C4D	-2.63	1.38	1.44
13	dA	815	CLA	C4D-CHA	2.63	1.47	1.38
13	dF	201	CLA	C4D-CHA	2.63	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	812	CLA	C3D-C4D	-2.63	1.38	1.44
13	cA	835	CLA	C4D-CHA	2.63	1.47	1.38
13	aF	204	CLA	C4C-C3C	2.63	1.49	1.45
13	dA	803	CLA	C4D-CHA	2.63	1.47	1.38
13	aB	815	CLA	C4D-CHA	2.63	1.47	1.38
13	bA	815	CLA	C3D-C4D	-2.63	1.38	1.44
12	bA	801	CL0	CBD-CGD	-2.62	1.49	1.52
13	bB	818	CLA	C3B-C4B	2.62	1.50	1.42
13	bA	834	CLA	CHB-C1B	2.62	1.45	1.39
13	bA	803	CLA	C4D-CHA	2.62	1.47	1.38
13	bB	832	CLA	C3D-C4D	-2.62	1.38	1.44
13	dB	832	CLA	C3D-C4D	-2.62	1.38	1.44
13	bA	816	CLA	C4D-CHA	2.62	1.47	1.38
13	cB	834	CLA	C4D-CHA	2.62	1.47	1.38
13	aB	832	CLA	C4D-CHA	2.62	1.47	1.38
13	bA	804	CLA	C4D-CHA	2.62	1.47	1.38
13	cB	831	CLA	C4D-CHA	2.62	1.47	1.38
13	cL	202	CLA	C4D-CHA	2.62	1.47	1.38
13	cA	812	CLA	C3D-C4D	-2.62	1.38	1.44
13	aA	812	CLA	C3D-C4D	-2.62	1.38	1.44
13	aB	834	CLA	C4C-C3C	2.62	1.49	1.45
13	cA	839	CLA	C3D-C4D	-2.62	1.38	1.44
15	cA	847	BCR	C30-C25	-2.62	1.50	1.53
13	bA	835	CLA	C1C-NC	-2.62	1.33	1.37
13	bA	815	CLA	C4D-CHA	2.62	1.47	1.38
13	dB	829	CLA	C4D-CHA	2.62	1.47	1.38
13	cA	806	CLA	C3D-C4D	-2.62	1.38	1.44
13	aB	828	CLA	C1B-C2B	2.62	1.49	1.43
13	bA	828	CLA	C4D-CHA	2.62	1.47	1.38
13	dA	841	CLA	CHB-C1B	2.62	1.45	1.39
13	aB	831	CLA	C4D-CHA	2.62	1.47	1.38
13	aB	807	CLA	C4B-NB	-2.62	1.34	1.37
13	aB	810	CLA	C1B-C2B	2.61	1.49	1.43
13	dA	834	CLA	CHB-C1B	2.61	1.45	1.39
13	aA	839	CLA	C3D-C4D	-2.61	1.38	1.44
13	cB	810	CLA	C1B-C2B	2.61	1.49	1.43
13	cB	828	CLA	C4C-C3C	2.61	1.49	1.45
13	aB	834	CLA	C4D-CHA	2.61	1.47	1.38
13	bA	806	CLA	C4D-CHA	2.61	1.47	1.38
13	dB	832	CLA	C4D-CHA	2.61	1.47	1.38
13	dB	813	CLA	C4C-C3C	2.61	1.49	1.45
13	bA	821	CLA	C4D-CHA	2.61	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	dL	204	BCR	C1-C6	-2.61	1.50	1.53
13	bB	829	CLA	C4D-CHA	2.61	1.47	1.38
13	cB	807	CLA	C4B-NB	-2.61	1.34	1.37
13	cB	834	CLA	C4C-C3C	2.61	1.49	1.45
13	dF	201	CLA	C3B-C4B	2.61	1.50	1.42
13	dA	806	CLA	C4D-CHA	2.61	1.47	1.38
13	dF	204	CLA	C4D-CHA	2.61	1.47	1.38
13	aB	828	CLA	C4C-C3C	2.61	1.49	1.45
13	cF	204	CLA	C4C-C3C	2.61	1.49	1.45
13	bF	204	CLA	C4D-CHA	2.61	1.47	1.38
13	bA	841	CLA	CHB-C1B	2.61	1.45	1.39
13	dA	837	CLA	C4D-CHA	2.61	1.47	1.38
13	aA	835	CLA	C3D-C4D	-2.61	1.38	1.44
13	cA	835	CLA	C3D-C4D	-2.61	1.38	1.44
13	cA	808	CLA	C4D-CHA	2.61	1.47	1.38
13	bA	830	CLA	C4D-CHA	2.61	1.47	1.38
13	bA	837	CLA	C4D-CHA	2.60	1.47	1.38
13	dA	828	CLA	C4D-CHA	2.60	1.47	1.38
13	aA	824	CLA	C4D-CHA	2.60	1.47	1.38
13	aB	810	CLA	C4C-C3C	2.60	1.49	1.45
13	bB	813	CLA	C4C-C3C	2.60	1.49	1.45
13	cB	810	CLA	C4C-C3C	2.60	1.49	1.45
13	dB	811	CLA	OBD-CAD	2.60	1.27	1.22
13	cB	828	CLA	C1B-C2B	2.60	1.49	1.43
13	cA	824	CLA	C4D-CHA	2.60	1.47	1.38
13	cA	804	CLA	C3B-C4B	2.60	1.50	1.42
13	bB	832	CLA	C4D-CHA	2.60	1.47	1.38
13	aA	804	CLA	C3B-C4B	2.60	1.50	1.42
13	dA	830	CLA	C4D-CHA	2.60	1.47	1.38
15	aA	847	BCR	C30-C25	-2.60	1.50	1.53
13	bB	824	CLA	C1B-C2B	2.60	1.49	1.43
13	bF	201	CLA	C3B-C4B	2.60	1.50	1.42
13	aB	814	CLA	C4B-NB	-2.60	1.34	1.37
13	bA	818	CLA	C1C-NC	-2.60	1.33	1.37
13	dA	818	CLA	C1C-NC	-2.60	1.33	1.37
13	aB	813	CLA	C4C-C3C	2.60	1.49	1.45
13	cB	813	CLA	C4C-C3C	2.59	1.49	1.45
13	aJ	101	CLA	C4C-C3C	2.59	1.49	1.45
13	dA	819	CLA	C4D-CHA	2.59	1.47	1.38
13	aB	814	CLA	C3B-C4B	2.59	1.50	1.42
13	dA	815	CLA	C3D-C4D	-2.59	1.38	1.44
13	aA	837	CLA	C4D-CHA	2.59	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	822	CLA	C1C-NC	-2.59	1.33	1.37
13	bA	802	CLA	C3D-C4D	-2.59	1.38	1.44
13	dA	825	CLA	C4D-CHA	2.59	1.47	1.38
13	cA	815	CLA	CHB-C1B	2.59	1.45	1.39
13	bA	819	CLA	C4D-CHA	2.59	1.47	1.38
13	cB	819	CLA	C4C-C3C	2.59	1.49	1.45
13	cB	806	CLA	C1C-C2C	2.59	1.49	1.44
13	dA	836	CLA	C4D-CHA	2.59	1.47	1.38
13	dA	821	CLA	C4D-CHA	2.59	1.47	1.38
13	cJ	101	CLA	C4C-C3C	2.59	1.49	1.45
13	aA	808	CLA	C4D-CHA	2.59	1.47	1.38
13	bA	827	CLA	CHB-C1B	2.59	1.45	1.39
13	aA	842	CLA	C4D-CHA	2.58	1.47	1.38
13	bA	836	CLA	C4D-CHA	2.58	1.47	1.38
13	aA	815	CLA	CHB-C1B	2.58	1.45	1.39
13	dA	802	CLA	C3D-C4D	-2.58	1.38	1.44
13	bB	826	CLA	C4D-CHA	2.58	1.47	1.38
13	dB	826	CLA	C4D-CHA	2.58	1.47	1.38
13	cA	830	CLA	C4D-CHA	2.58	1.47	1.38
13	aB	819	CLA	C4C-C3C	2.58	1.49	1.45
13	aB	816	CLA	C4C-C3C	2.58	1.49	1.45
13	bA	822	CLA	C1C-NC	-2.58	1.33	1.37
13	aA	804	CLA	C4D-CHA	2.58	1.47	1.38
13	cB	814	CLA	C3B-C4B	2.58	1.50	1.42
13	bA	825	CLA	C4D-CHA	2.58	1.47	1.38
13	dB	819	CLA	C4D-CHA	2.58	1.47	1.38
13	aB	806	CLA	C1C-C2C	2.58	1.49	1.44
13	cB	809	CLA	C1B-C2B	2.58	1.49	1.43
13	dB	806	CLA	C4D-CHA	2.58	1.47	1.38
13	bA	814	CLA	C3D-C4D	-2.58	1.38	1.44
13	aA	828	CLA	C3B-C4B	2.58	1.50	1.42
13	bB	819	CLA	C4D-CHA	2.58	1.47	1.38
13	dB	808	CLA	C3D-C4D	-2.58	1.38	1.44
13	bB	823	CLA	C4C-C3C	2.58	1.49	1.45
13	dB	823	CLA	C4C-C3C	2.58	1.49	1.45
13	cA	842	CLA	C4D-CHA	2.57	1.47	1.38
13	cB	810	CLA	C4D-CHA	2.57	1.47	1.38
13	cA	804	CLA	C4D-CHA	2.57	1.47	1.38
13	cA	808	CLA	C1B-C2B	2.57	1.49	1.43
13	cK	203	CLA	C4D-CHA	2.57	1.47	1.38
13	aB	827	CLA	C4D-CHA	2.57	1.47	1.38
13	cA	837	CLA	C4D-CHA	2.57	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	827	CLA	C1B-C2B	2.57	1.49	1.43
13	aA	830	CLA	C4D-CHA	2.57	1.47	1.38
13	aA	838	CLA	C4D-CHA	2.57	1.47	1.38
13	bA	803	CLA	CHB-C1B	2.57	1.45	1.39
13	dB	824	CLA	C1B-C2B	2.57	1.49	1.43
13	dA	823	CLA	C3D-C4D	-2.57	1.38	1.44
13	aB	823	CLA	C1B-C2B	2.57	1.49	1.43
13	aA	829	CLA	C1C-C2C	2.57	1.49	1.44
13	cA	829	CLA	C1C-C2C	2.57	1.49	1.44
13	aB	823	CLA	C4D-CHA	2.57	1.47	1.38
13	bA	824	CLA	C3D-C4D	-2.57	1.38	1.44
13	cB	823	CLA	C1B-C2B	2.57	1.49	1.43
13	cA	838	CLA	C4D-CHA	2.57	1.47	1.38
13	cA	839	CLA	C4D-CHA	2.57	1.47	1.38
13	dA	821	CLA	C3D-C4D	-2.57	1.38	1.44
13	aB	810	CLA	C4D-CHA	2.57	1.47	1.38
13	bA	823	CLA	C3D-C4D	-2.56	1.38	1.44
13	dA	826	CLA	C4D-CHA	2.56	1.47	1.38
13	aA	834	CLA	C3D-C4D	-2.56	1.38	1.44
13	cA	834	CLA	C3D-C4D	-2.56	1.38	1.44
13	dB	828	CLA	C4D-CHA	2.56	1.47	1.38
13	bB	806	CLA	C4D-CHA	2.56	1.47	1.38
13	bB	808	CLA	C3D-C4D	-2.56	1.38	1.44
13	aK	201	CLA	OBD-CAD	2.56	1.28	1.23
13	dA	808	CLA	C3D-C4D	-2.56	1.38	1.44
13	aB	825	CLA	C4D-CHA	2.56	1.47	1.38
13	cB	825	CLA	C4D-CHA	2.56	1.47	1.38
13	bB	804	CLA	CHB-C1B	2.56	1.45	1.39
13	aK	203	CLA	C4D-CHA	2.56	1.47	1.38
13	bA	814	CLA	C4D-CHA	2.56	1.47	1.38
13	cB	805	CLA	C4D-CHA	2.56	1.47	1.38
13	cB	827	CLA	C4D-CHA	2.56	1.47	1.38
13	cK	201	CLA	OBD-CAD	2.56	1.28	1.23
13	aB	834	CLA	C1B-C2B	2.56	1.49	1.43
13	cB	834	CLA	C1B-C2B	2.56	1.49	1.43
13	bA	829	CLA	C4D-CHA	2.56	1.47	1.38
13	dA	814	CLA	C3D-C4D	-2.56	1.38	1.44
13	aB	805	CLA	C4D-CHA	2.56	1.47	1.38
13	cB	823	CLA	C4D-CHA	2.56	1.47	1.38
13	aA	805	CLA	C4D-CHA	2.56	1.47	1.38
13	dB	827	CLA	C3B-C4B	2.56	1.50	1.42
13	bA	808	CLA	C3D-C4D	-2.56	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cF	204	CLA	C3B-C4B	2.56	1.50	1.42
13	bA	826	CLA	C4D-CHA	2.56	1.47	1.38
13	aA	839	CLA	C4D-CHA	2.56	1.47	1.38
13	cA	828	CLA	C3B-C4B	2.56	1.50	1.42
13	aB	831	CLA	C3D-C4D	-2.56	1.38	1.44
13	cB	827	CLA	C1B-C2B	2.56	1.49	1.43
13	cB	814	CLA	C4B-NB	-2.55	1.34	1.37
13	aA	808	CLA	C1B-C2B	2.55	1.49	1.43
13	aA	828	CLA	C1C-NC	-2.55	1.33	1.37
13	bA	809	CLA	C4D-CHA	2.55	1.47	1.38
13	cL	203	CLA	C4D-CHA	2.55	1.47	1.38
13	bB	828	CLA	C4D-CHA	2.55	1.47	1.38
13	bB	811	CLA	OBD-CAD	2.55	1.26	1.22
13	dA	827	CLA	CHB-C1B	2.55	1.45	1.39
13	dA	831	CLA	C4D-CHA	2.55	1.47	1.38
13	aL	203	CLA	C4D-CHA	2.55	1.47	1.38
13	aB	831	CLA	C1B-C2B	2.55	1.49	1.43
13	cB	831	CLA	C1B-C2B	2.55	1.49	1.43
13	bB	815	CLA	C4D-CHA	2.55	1.47	1.38
13	bA	821	CLA	C3D-C4D	-2.55	1.38	1.44
13	aA	826	CLA	C1B-C2B	2.55	1.49	1.43
15	bA	846	BCR	C30-C25	-2.55	1.50	1.53
13	bB	827	CLA	C3B-C4B	2.55	1.50	1.42
13	aB	833	CLA	C4D-CHA	2.55	1.47	1.38
13	dA	824	CLA	C3D-C4D	-2.55	1.38	1.44
13	cA	826	CLA	C1B-C2B	2.55	1.49	1.43
13	aF	204	CLA	C3B-C4B	2.55	1.50	1.42
13	cB	814	CLA	C1B-C2B	2.55	1.49	1.43
13	aA	840	CLA	OBD-CAD	2.55	1.26	1.22
13	cA	840	CLA	OBD-CAD	2.55	1.26	1.22
13	dA	829	CLA	C4D-CHA	2.55	1.47	1.38
13	bA	831	CLA	C4D-CHA	2.55	1.47	1.38
13	aA	807	CLA	C3D-C4D	-2.55	1.38	1.44
13	aA	822	CLA	C4D-CHA	2.55	1.47	1.38
13	aB	809	CLA	C1B-C2B	2.55	1.49	1.43
13	cA	828	CLA	C1C-NC	-2.55	1.33	1.37
13	bA	839	CLA	CHB-C1B	2.55	1.45	1.39
13	cF	204	CLA	C1B-C2B	2.54	1.49	1.43
13	dB	804	CLA	CHB-C1B	2.54	1.45	1.39
13	aA	840	CLA	C4D-CHA	2.54	1.47	1.38
13	aA	824	CLA	C3D-C4D	-2.54	1.38	1.44
13	bA	831	CLA	OBD-CAD	2.54	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	834	CLA	C4D-CHA	2.54	1.47	1.38
13	cA	825	CLA	C4D-CHA	2.54	1.47	1.38
13	cA	802	CLA	C4D-CHA	2.54	1.47	1.38
13	dA	814	CLA	C4D-CHA	2.54	1.47	1.38
13	dB	821	CLA	C4D-CHA	2.54	1.47	1.38
13	cB	831	CLA	C3D-C4D	-2.54	1.38	1.44
13	cA	805	CLA	C4D-CHA	2.54	1.47	1.38
13	cA	822	CLA	C4D-CHA	2.54	1.47	1.38
13	dA	832	CLA	C4D-CHA	2.54	1.47	1.38
13	bA	842	CLA	C4D-CHA	2.54	1.47	1.38
13	dA	803	CLA	CHB-C1B	2.54	1.45	1.39
13	dB	816	CLA	C4C-C3C	2.54	1.49	1.45
13	aA	825	CLA	C4D-CHA	2.54	1.47	1.38
13	bA	812	CLA	C4C-C3C	2.54	1.49	1.45
13	dA	809	CLA	C4D-CHA	2.54	1.47	1.38
13	bA	814	CLA	C1C-NC	-2.54	1.33	1.37
13	dA	812	CLA	C4D-CHA	2.53	1.47	1.38
13	dB	822	CLA	C4D-CHA	2.53	1.47	1.38
13	cA	807	CLA	C4D-CHA	2.53	1.47	1.38
13	bF	204	CLA	C4C-C3C	2.53	1.49	1.45
13	aA	802	CLA	C4D-CHA	2.53	1.47	1.38
15	aK	205	BCR	C30-C25	-2.53	1.50	1.53
13	cB	833	CLA	C4D-CHA	2.53	1.47	1.38
13	bA	832	CLA	C4D-CHA	2.53	1.47	1.38
13	dA	834	CLA	C4D-CHA	2.53	1.47	1.38
15	aA	846	BCR	C1-C6	-2.53	1.50	1.53
13	aB	823	CLA	C4C-C3C	2.53	1.49	1.45
13	cA	840	CLA	C4D-CHA	2.53	1.47	1.38
13	dB	815	CLA	C4D-CHA	2.53	1.47	1.38
13	cB	816	CLA	C4C-C3C	2.53	1.49	1.45
13	cA	824	CLA	C3D-C4D	-2.53	1.38	1.44
13	bA	843	CLA	C3D-C4D	-2.53	1.38	1.44
13	dA	842	CLA	C4D-CHA	2.53	1.47	1.38
13	dA	843	CLA	C3D-C4D	-2.53	1.38	1.44
13	cB	834	CLA	C1C-NC	-2.53	1.33	1.37
13	bB	821	CLA	C4D-CHA	2.53	1.47	1.38
13	bB	816	CLA	C4C-C3C	2.53	1.49	1.45
13	aF	204	CLA	C1B-C2B	2.53	1.49	1.43
13	aB	809	CLA	C4D-CHA	2.53	1.47	1.38
13	aA	807	CLA	C4D-CHA	2.53	1.47	1.38
13	bB	822	CLA	C4D-CHA	2.53	1.47	1.38
13	dF	204	CLA	C4C-C3C	2.53	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	817	CLA	C4D-CHA	2.53	1.47	1.38
13	cA	823	CLA	C3D-C4D	-2.53	1.38	1.44
13	dA	843	CLA	C4D-CHA	2.53	1.47	1.38
13	cA	812	CLA	C4D-CHA	2.53	1.47	1.38
13	cA	834	CLA	C4D-CHA	2.53	1.47	1.38
13	aB	834	CLA	C1C-NC	-2.52	1.33	1.37
13	dA	814	CLA	C1C-NC	-2.52	1.33	1.37
13	dB	821	CLA	C3D-C4D	-2.52	1.38	1.44
13	bA	834	CLA	C4D-CHA	2.52	1.47	1.38
13	cA	817	CLA	C3D-C4D	-2.52	1.38	1.44
13	aA	817	CLA	C3D-C4D	-2.52	1.38	1.44
13	bA	812	CLA	C4D-CHA	2.52	1.47	1.38
13	aB	814	CLA	C1B-C2B	2.52	1.49	1.43
13	cB	833	CLA	C3D-C4D	-2.52	1.38	1.44
13	cB	823	CLA	C4C-C3C	2.52	1.49	1.45
13	cA	807	CLA	C3D-C4D	-2.52	1.38	1.44
13	bA	820	CLA	C3D-C4D	-2.52	1.38	1.44
15	cA	846	BCR	C1-C6	-2.52	1.50	1.53
13	bB	816	CLA	C3D-C4D	-2.52	1.38	1.44
13	bB	821	CLA	C3D-C4D	-2.52	1.38	1.44
13	cA	817	CLA	C4D-CHA	2.52	1.47	1.38
13	dA	812	CLA	C4C-C3C	2.52	1.49	1.45
13	aA	806	CLA	C4D-CHA	2.51	1.47	1.38
13	cA	806	CLA	C4D-CHA	2.51	1.47	1.38
13	dA	839	CLA	CHB-C1B	2.51	1.45	1.39
13	dA	820	CLA	C3D-C4D	-2.51	1.38	1.44
13	cA	821	CLA	C3D-C4D	-2.51	1.38	1.44
15	dA	846	BCR	C30-C25	-2.51	1.50	1.53
13	aA	803	CLA	CHB-C1B	2.51	1.45	1.39
13	aB	833	CLA	C3D-C4D	-2.51	1.38	1.44
13	aA	836	CLA	C3D-C4D	-2.51	1.38	1.44
15	dA	847	BCR	C30-C25	-2.51	1.50	1.53
13	dB	816	CLA	C3D-C4D	-2.51	1.38	1.44
13	dA	828	CLA	OBD-CAD	2.51	1.26	1.22
13	bB	813	CLA	C4D-CHA	2.51	1.47	1.38
13	dB	813	CLA	C4D-CHA	2.51	1.47	1.38
13	bA	843	CLA	C4D-CHA	2.51	1.47	1.38
13	dB	808	CLA	C4D-CHA	2.51	1.47	1.38
13	bF	204	CLA	C1B-C2B	2.50	1.49	1.43
13	cB	820	CLA	C4D-CHA	2.50	1.47	1.38
13	aA	832	CLA	C4D-CHA	2.50	1.47	1.38
13	bA	838	CLA	C1C-NC	-2.50	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	812	CLA	C4D-CHA	2.50	1.47	1.38
13	aB	820	CLA	C4D-CHA	2.50	1.47	1.38
13	cB	809	CLA	C4D-CHA	2.50	1.47	1.38
13	bB	827	CLA	C4C-C3C	2.50	1.49	1.45
13	cB	815	CLA	C4C-C3C	2.50	1.49	1.45
13	cA	836	CLA	C3D-C4D	-2.50	1.38	1.44
13	dA	807	CLA	C4D-CHA	2.50	1.47	1.38
13	dB	828	CLA	C4C-C3C	2.50	1.49	1.45
13	aA	821	CLA	C3D-C4D	-2.50	1.38	1.44
13	bB	808	CLA	C4D-CHA	2.50	1.47	1.38
13	bB	828	CLA	C4C-C3C	2.50	1.49	1.45
13	bB	809	CLA	C3B-C4B	2.50	1.50	1.42
13	dF	204	CLA	C1B-C2B	2.50	1.49	1.43
13	aA	823	CLA	C3D-C4D	-2.50	1.38	1.44
13	cB	817	CLA	C1B-C2B	2.50	1.49	1.43
13	dA	831	CLA	OBD-CAD	2.49	1.26	1.22
15	dL	204	BCR	C30-C25	-2.49	1.50	1.53
13	dB	830	CLA	C3D-C4D	-2.49	1.38	1.44
13	aA	816	CLA	C3D-C4D	-2.49	1.38	1.44
13	cA	827	CLA	C4D-CHA	2.49	1.46	1.38
13	cA	803	CLA	CHB-C1B	2.49	1.45	1.39
13	dA	840	CLA	C4D-CHA	2.49	1.46	1.38
13	cA	831	CLA	C3D-C4D	-2.49	1.38	1.44
13	bA	811	CLA	C3D-C4D	-2.49	1.38	1.44
13	cA	816	CLA	C3D-C4D	-2.49	1.38	1.44
13	bA	828	CLA	OBD-CAD	2.49	1.26	1.22
15	aF	203	BCR	C30-C25	-2.49	1.50	1.53
13	bB	830	CLA	C3D-C4D	-2.49	1.38	1.44
13	bA	807	CLA	C4D-CHA	2.49	1.46	1.38
15	cF	203	BCR	C30-C25	-2.49	1.50	1.53
13	aB	815	CLA	C4C-C3C	2.49	1.49	1.45
13	dA	811	CLA	C3D-C4D	-2.49	1.38	1.44
13	dA	838	CLA	C4D-CHA	2.48	1.46	1.38
13	dA	824	CLA	C4D-CHA	2.48	1.46	1.38
13	dA	835	CLA	C4D-CHA	2.48	1.46	1.38
13	cL	204	CLA	C3D-C4D	-2.48	1.38	1.44
13	cA	832	CLA	C4D-CHA	2.48	1.46	1.38
13	cB	814	CLA	C1C-C2C	2.48	1.49	1.44
13	aB	817	CLA	C1B-C2B	2.48	1.49	1.43
13	bA	838	CLA	C4D-CHA	2.48	1.46	1.38
13	cA	820	CLA	C3D-C4D	-2.48	1.38	1.44
13	cA	818	CLA	C4D-CHA	2.48	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	818	CLA	C3B-C4B	2.48	1.50	1.42
13	aA	820	CLA	C3D-C4D	-2.48	1.38	1.44
13	bA	817	CLA	C3D-C4D	-2.48	1.38	1.44
13	cB	829	CLA	C4B-NB	-2.48	1.34	1.37
13	bB	811	CLA	C4C-C3C	2.48	1.49	1.45
13	dB	811	CLA	C4C-C3C	2.48	1.49	1.45
13	dB	803	CLA	C3D-C4D	-2.48	1.38	1.44
13	dB	827	CLA	C4C-C3C	2.48	1.49	1.45
13	bA	840	CLA	C4D-CHA	2.48	1.46	1.38
13	cA	822	CLA	CHB-C4A	-2.48	1.31	1.37
13	aA	827	CLA	C4D-CHA	2.48	1.46	1.38
13	bA	824	CLA	C4D-CHA	2.48	1.46	1.38
13	aB	814	CLA	C1C-C2C	2.48	1.49	1.44
13	bB	809	CLA	C3D-C4D	-2.48	1.38	1.44
13	dB	809	CLA	C3B-C4B	2.48	1.49	1.42
13	dB	825	CLA	C4D-CHA	2.48	1.46	1.38
13	aA	831	CLA	C3D-C4D	-2.48	1.38	1.44
13	aB	824	CLA	C4D-CHA	2.47	1.46	1.38
13	aA	818	CLA	C4D-CHA	2.47	1.46	1.38
13	aA	843	CLA	C3D-C4D	-2.47	1.38	1.44
13	cA	843	CLA	C3D-C4D	-2.47	1.38	1.44
13	bB	803	CLA	C3D-C4D	-2.47	1.38	1.44
13	aA	813	CLA	C3D-C4D	-2.47	1.38	1.44
13	dB	825	CLA	C4C-C3C	2.47	1.49	1.45
13	bB	803	CLA	CBD-CAD	-2.47	1.45	1.56
13	dA	817	CLA	C3D-C4D	-2.47	1.38	1.44
13	bA	835	CLA	C4D-CHA	2.47	1.46	1.38
13	aA	808	CLA	C3D-C4D	-2.47	1.38	1.44
13	aB	826	CLA	C4C-C3C	2.47	1.49	1.45
13	bB	825	CLA	C4C-C3C	2.47	1.49	1.45
13	aA	833	CLA	C4D-CHA	2.47	1.46	1.38
13	bA	837	CLA	C3D-C4D	-2.47	1.38	1.44
13	cA	813	CLA	C3D-C4D	-2.47	1.38	1.44
13	aB	818	CLA	C3B-C4B	2.47	1.49	1.42
13	dA	805	CLA	C4D-CHA	2.47	1.46	1.38
13	dB	803	CLA	CBD-CAD	-2.47	1.45	1.56
13	bA	834	CLA	C1C-NC	-2.47	1.34	1.37
13	dA	834	CLA	C1C-NC	-2.47	1.34	1.37
13	bA	805	CLA	C4D-CHA	2.47	1.46	1.38
13	aA	815	CLA	CHB-C4A	-2.47	1.31	1.37
13	bA	809	CLA	C3B-C4B	2.47	1.49	1.42
13	cB	826	CLA	C4C-C3C	2.47	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	804	CLA	C4D-CHA	2.47	1.46	1.38
13	dA	833	CLA	C4D-CHA	2.46	1.46	1.38
13	aK	204	CLA	C3D-C4D	-2.46	1.38	1.44
13	dA	804	CLA	C3D-C4D	-2.46	1.38	1.44
13	dA	809	CLA	C3B-C4B	2.46	1.49	1.42
13	cB	824	CLA	C4D-CHA	2.46	1.46	1.38
13	cB	809	CLA	C3B-C4B	2.46	1.49	1.42
13	cB	808	CLA	C1B-C2B	2.46	1.48	1.43
13	bB	830	CLA	C4C-C3C	2.46	1.49	1.45
13	bA	808	CLA	C4D-CHA	2.46	1.46	1.38
13	dB	809	CLA	C3D-C4D	-2.46	1.38	1.44
13	aB	809	CLA	C3B-C4B	2.46	1.49	1.42
13	dA	838	CLA	C1C-NC	-2.46	1.34	1.37
13	cA	833	CLA	C4D-CHA	2.46	1.46	1.38
13	cA	808	CLA	C3D-C4D	-2.46	1.38	1.44
13	bA	833	CLA	C4D-CHA	2.46	1.46	1.38
13	bB	825	CLA	C4D-CHA	2.46	1.46	1.38
13	aB	829	CLA	C4B-NB	-2.46	1.34	1.37
13	cA	829	CLA	C4D-CHA	2.46	1.46	1.38
13	dA	828	CLA	C1C-NC	-2.46	1.34	1.37
13	cA	830	CLA	C3D-C4D	-2.46	1.38	1.44
13	dA	840	CLA	C3B-C4B	2.46	1.49	1.42
13	aK	203	CLA	C3D-C4D	-2.46	1.38	1.44
13	bA	840	CLA	C3B-C4B	2.46	1.49	1.42
13	aA	826	CLA	C4D-CHA	2.46	1.46	1.38
13	cA	826	CLA	C4D-CHA	2.46	1.46	1.38
13	bA	804	CLA	C3D-C4D	-2.46	1.38	1.44
15	bA	847	BCR	C30-C25	-2.46	1.50	1.53
13	cK	203	CLA	C3D-C4D	-2.46	1.38	1.44
13	aA	822	CLA	CHB-C4A	-2.46	1.31	1.37
13	dA	808	CLA	C4D-CHA	2.46	1.46	1.38
13	cB	806	CLA	C3B-C4B	2.46	1.49	1.42
13	bA	802	CLA	C4D-CHA	2.45	1.46	1.38
13	dB	826	CLA	C1B-C2B	2.45	1.48	1.43
13	aA	829	CLA	C4D-CHA	2.45	1.46	1.38
13	aA	815	CLA	C3D-C4D	-2.45	1.38	1.44
13	dB	804	CLA	C4D-CHA	2.45	1.46	1.38
13	cB	805	CLA	C1B-C2B	2.45	1.48	1.43
13	cB	828	CLA	C4B-NB	-2.45	1.34	1.37
13	cA	815	CLA	CHB-C4A	-2.45	1.31	1.37
13	dA	838	CLA	C1B-C2B	2.45	1.48	1.43
13	dA	837	CLA	C3D-C4D	-2.45	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	808	CLA	C1B-C2B	2.45	1.48	1.43
13	cB	818	CLA	C1B-C2B	2.45	1.48	1.43
13	aB	801	CLA	C1C-NC	-2.45	1.34	1.37
13	aB	809	CLA	C3D-C4D	-2.45	1.38	1.44
13	cB	809	CLA	C3D-C4D	-2.45	1.38	1.44
13	aB	801	CLA	C3D-C4D	-2.45	1.38	1.44
13	aL	204	CLA	C3D-C4D	-2.45	1.38	1.44
13	aA	810	CLA	C3B-C4B	2.44	1.49	1.42
15	cJ	103	BCR	C30-C25	-2.44	1.50	1.53
13	bB	803	CLA	C4D-CHA	2.44	1.46	1.38
13	dA	802	CLA	C4D-CHA	2.44	1.46	1.38
13	cK	204	CLA	C3D-C4D	-2.44	1.38	1.44
13	aB	806	CLA	C3B-C4B	2.44	1.49	1.42
13	cA	810	CLA	C3B-C4B	2.44	1.49	1.42
13	bB	830	CLA	C1B-C2B	2.44	1.48	1.43
13	dB	830	CLA	C1B-C2B	2.44	1.48	1.43
13	bA	829	CLA	C3D-C4D	-2.44	1.38	1.44
13	dB	808	CLA	C1C-NC	-2.44	1.34	1.37
13	cB	833	CLA	C1B-C2B	2.44	1.48	1.43
13	bB	814	CLA	C4D-CHA	2.44	1.46	1.38
13	aB	805	CLA	C1B-C2B	2.44	1.48	1.43
13	dB	809	CLA	CAA-C2A	2.44	1.58	1.54
13	bB	809	CLA	CAA-C2A	2.44	1.58	1.54
13	aB	817	CLA	C3B-C4B	2.44	1.49	1.42
13	cB	817	CLA	C3B-C4B	2.44	1.49	1.42
13	bB	831	CLA	C4D-CHA	2.44	1.46	1.38
13	aB	823	CLA	C1C-NC	-2.43	1.34	1.37
13	cB	823	CLA	C1C-NC	-2.43	1.34	1.37
13	dL	202	CLA	C4D-CHA	2.43	1.46	1.38
13	aB	828	CLA	C4B-NB	-2.43	1.34	1.37
13	bL	202	CLA	C1C-NC	-2.43	1.34	1.37
13	cA	818	CLA	C3B-C4B	2.43	1.49	1.42
13	cB	812	CLA	C4D-CHA	2.43	1.46	1.38
13	bL	202	CLA	C4D-CHA	2.43	1.46	1.38
13	aB	833	CLA	C1B-C2B	2.43	1.48	1.43
13	cB	819	CLA	C1B-C2B	2.43	1.48	1.43
13	bA	805	CLA	C3D-C4D	-2.43	1.38	1.44
13	cB	820	CLA	C3D-C4D	-2.43	1.38	1.44
13	cJ	101	CLA	C3B-C4B	2.43	1.49	1.42
13	bA	811	CLA	C1C-NC	-2.43	1.34	1.37
13	bA	828	CLA	C1C-NC	-2.43	1.34	1.37
13	dA	811	CLA	C1C-NC	-2.43	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	804	CLA	C3B-C4B	2.43	1.49	1.42
13	aA	818	CLA	C3B-C4B	2.43	1.49	1.42
13	aB	818	CLA	C1B-C2B	2.43	1.48	1.43
13	aA	818	CLA	C3D-C4D	-2.43	1.38	1.44
13	dB	810	CLA	C3D-C4D	-2.43	1.38	1.44
13	aA	822	CLA	CHB-C1B	2.43	1.44	1.39
13	dA	829	CLA	C3D-C4D	-2.43	1.38	1.44
13	dL	202	CLA	C1C-NC	-2.42	1.34	1.37
13	bB	826	CLA	C1B-C2B	2.42	1.48	1.43
13	dB	810	CLA	C4D-CHA	2.42	1.46	1.38
13	aA	830	CLA	C3D-C4D	-2.42	1.38	1.44
13	cB	801	CLA	C3D-C4D	-2.42	1.38	1.44
13	dB	803	CLA	C4D-CHA	2.42	1.46	1.38
13	aJ	101	CLA	C3B-C4B	2.42	1.49	1.42
13	cA	822	CLA	CHB-C1B	2.42	1.44	1.39
13	dB	814	CLA	C4D-CHA	2.42	1.46	1.38
13	dB	815	CLA	C4C-C3C	2.42	1.49	1.45
13	aB	812	CLA	C4D-CHA	2.42	1.46	1.38
13	bA	838	CLA	C1B-C2B	2.42	1.48	1.43
13	bB	810	CLA	C3D-C4D	-2.42	1.38	1.44
13	bA	830	CLA	C1C-NC	-2.42	1.34	1.37
13	dB	810	CLA	C1C-NC	-2.42	1.34	1.37
13	dB	829	CLA	CBD-CAD	-2.42	1.45	1.56
13	bA	810	CLA	C1C-C2C	2.42	1.49	1.44
13	cB	812	CLA	C3B-C4B	2.42	1.49	1.42
13	aB	811	CLA	CBD-CAD	-2.42	1.45	1.56
13	bA	810	CLA	C4D-CHA	2.42	1.46	1.38
13	aB	820	CLA	C3D-C4D	-2.42	1.38	1.44
13	aB	819	CLA	C1B-C2B	2.42	1.48	1.43
13	cA	815	CLA	C3D-C4D	-2.42	1.38	1.44
13	dA	810	CLA	C1C-C2C	2.42	1.49	1.44
13	dA	836	CLA	C1C-NC	-2.42	1.34	1.37
13	cA	802	CLA	C3D-C4D	-2.42	1.38	1.44
13	dB	831	CLA	C4D-CHA	2.42	1.46	1.38
13	cA	818	CLA	C3D-C4D	-2.42	1.38	1.44
13	bB	810	CLA	C4D-CHA	2.42	1.46	1.38
13	dA	810	CLA	C4D-CHA	2.42	1.46	1.38
13	dA	816	CLA	C3D-C4D	-2.41	1.38	1.44
13	cB	811	CLA	CBD-CAD	-2.41	1.45	1.56
13	dB	830	CLA	C4C-C3C	2.41	1.49	1.45
13	bB	829	CLA	C3D-C4D	-2.41	1.38	1.44
13	aA	827	CLA	C1C-NC	-2.41	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	827	CLA	C1C-NC	-2.41	1.34	1.37
13	cA	821	CLA	C1C-NC	-2.41	1.34	1.37
13	dB	809	CLA	C1C-NC	-2.41	1.34	1.37
13	aA	809	CLA	C3B-C4B	2.41	1.49	1.42
13	aB	812	CLA	C3B-C4B	2.41	1.49	1.42
13	dB	829	CLA	C3D-C4D	-2.41	1.38	1.44
13	bB	808	CLA	C1C-NC	-2.41	1.34	1.37
13	aB	832	CLA	C1B-C2B	2.41	1.48	1.43
13	dA	804	CLA	C3B-C4B	2.41	1.49	1.42
13	bB	829	CLA	CBD-CAD	-2.41	1.45	1.56
13	aA	802	CLA	C3D-C4D	-2.41	1.38	1.44
13	dA	830	CLA	C1C-NC	-2.41	1.34	1.37
13	dB	804	CLA	CBD-CAD	-2.41	1.45	1.56
13	aB	832	CLA	C4C-C3C	2.41	1.49	1.45
13	dB	811	CLA	CBD-CAD	-2.41	1.45	1.56
13	dA	810	CLA	C3B-C4B	2.41	1.49	1.42
13	bB	815	CLA	C4C-C3C	2.41	1.49	1.45
13	aB	826	CLA	C4B-NB	-2.41	1.34	1.37
13	cA	811	CLA	C1B-C2B	2.41	1.48	1.43
13	bB	811	CLA	CBD-CAD	-2.41	1.45	1.56
13	aB	832	CLA	C3D-C4D	-2.40	1.38	1.44
13	cB	832	CLA	C3D-C4D	-2.40	1.38	1.44
13	dA	827	CLA	CHB-C4A	-2.40	1.31	1.37
13	bA	816	CLA	C3D-C4D	-2.40	1.38	1.44
13	cB	801	CLA	C1C-NC	-2.40	1.34	1.37
13	aB	815	CLA	C3D-C4D	-2.40	1.38	1.44
13	dA	805	CLA	C3D-C4D	-2.40	1.38	1.44
13	dA	813	CLA	C1C-NC	-2.40	1.34	1.37
13	bA	827	CLA	CHB-C4A	-2.40	1.31	1.37
13	bA	827	CLA	C4D-CHA	2.40	1.46	1.38
13	bB	804	CLA	CBD-CAD	-2.40	1.45	1.56
13	bA	830	CLA	CHB-C1B	2.40	1.44	1.39
13	dA	804	CLA	C4C-C3C	2.40	1.49	1.45
13	aB	803	CLA	C3D-C4D	-2.40	1.38	1.44
13	aB	828	CLA	C3B-C4B	2.40	1.49	1.42
13	dA	827	CLA	C4D-CHA	2.40	1.46	1.38
13	aA	829	CLA	C3D-C4D	-2.40	1.38	1.44
13	cA	809	CLA	C3B-C4B	2.40	1.49	1.42
13	cB	815	CLA	C3D-C4D	-2.40	1.38	1.44
13	aL	202	CLA	C3D-C4D	-2.40	1.38	1.44
13	aA	811	CLA	C1B-C2B	2.40	1.48	1.43
13	cB	828	CLA	C3B-C4B	2.40	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aK	204	CLA	C1B-C2B	2.40	1.48	1.43
13	dA	816	CLA	C1C-NC	-2.40	1.34	1.37
13	cB	826	CLA	C4B-NB	-2.40	1.34	1.37
15	aJ	103	BCR	C30-C25	-2.39	1.50	1.53
13	dB	820	CLA	C1C-C2C	2.39	1.49	1.44
13	bB	809	CLA	C1C-NC	-2.39	1.34	1.37
13	dA	805	CLA	C3B-C4B	2.39	1.49	1.42
13	bA	815	CLA	C1C-NC	-2.39	1.34	1.37
15	bJ	102	BCR	C30-C25	-2.39	1.50	1.53
13	bB	820	CLA	C1C-C2C	2.39	1.49	1.44
13	bF	201	CLA	C3D-C4D	-2.39	1.38	1.44
13	bB	810	CLA	C1C-NC	-2.39	1.34	1.37
13	bB	817	CLA	C3D-C4D	-2.39	1.38	1.44
13	aB	807	CLA	C3D-C4D	-2.39	1.38	1.44
13	aB	803	CLA	C4D-CHA	2.39	1.46	1.38
13	cB	803	CLA	C4D-CHA	2.39	1.46	1.38
13	dA	830	CLA	CHB-C1B	2.39	1.44	1.39
13	aA	842	CLA	C1B-C2B	2.39	1.48	1.43
13	dF	201	CLA	C1B-C2B	2.39	1.48	1.43
13	dA	821	CLA	C1C-NC	-2.39	1.34	1.37
13	bB	826	CLA	C3D-C4D	-2.39	1.38	1.44
13	cA	829	CLA	C3D-C4D	-2.39	1.38	1.44
13	dA	813	CLA	C4D-CHA	2.39	1.46	1.38
13	bB	814	CLA	C1B-C2B	2.39	1.48	1.43
13	aA	814	CLA	C3D-C4D	-2.38	1.38	1.44
13	cB	803	CLA	C3D-C4D	-2.38	1.38	1.44
13	bF	201	CLA	C1B-C2B	2.38	1.48	1.43
13	cB	804	CLA	C1B-C2B	2.38	1.48	1.43
13	dB	817	CLA	C3D-C4D	-2.38	1.38	1.44
13	bA	839	CLA	CBD-CAD	-2.38	1.45	1.56
13	dF	201	CLA	C3D-C4D	-2.38	1.38	1.44
13	bA	810	CLA	C3B-C4B	2.38	1.49	1.42
13	aA	837	CLA	C3D-C4D	-2.38	1.38	1.44
13	bB	827	CLA	C1B-C2B	2.38	1.48	1.43
13	cB	806	CLA	C4C-C3C	2.38	1.49	1.45
13	bA	837	CLA	C3B-C4B	2.38	1.49	1.42
13	dB	826	CLA	C3D-C4D	-2.38	1.38	1.44
13	bB	815	CLA	C3D-C4D	-2.38	1.38	1.44
13	bB	828	CLA	C3D-C4D	-2.38	1.38	1.44
13	dA	837	CLA	C3B-C4B	2.38	1.49	1.42
13	dA	802	CLA	C1C-NC	-2.38	1.34	1.37
13	bA	813	CLA	C4D-CHA	2.38	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	839	CLA	C4D-CHA	2.38	1.46	1.38
13	bA	836	CLA	C1C-NC	-2.38	1.34	1.37
15	dA	850	BCR	C38-C26	-2.38	1.47	1.50
15	dI	101	BCR	C38-C26	-2.38	1.47	1.50
13	cB	832	CLA	C3B-C4B	2.37	1.49	1.42
13	bA	830	CLA	CHB-C4A	-2.37	1.31	1.37
13	cK	201	CLA	C4C-C3C	2.37	1.49	1.45
13	cL	202	CLA	C3D-C4D	-2.37	1.38	1.44
13	bA	816	CLA	C1C-NC	-2.37	1.34	1.37
13	aF	201	CLA	C1B-C2B	2.37	1.48	1.43
13	cK	204	CLA	C1B-C2B	2.37	1.48	1.43
13	dB	808	CLA	C3B-C4B	2.37	1.49	1.42
13	cA	811	CLA	C3D-C4D	-2.37	1.38	1.44
13	bB	812	CLA	C3D-C4D	-2.37	1.38	1.44
13	dB	812	CLA	C3D-C4D	-2.37	1.38	1.44
13	dB	815	CLA	C3D-C4D	-2.37	1.38	1.44
13	dB	828	CLA	C3D-C4D	-2.37	1.38	1.44
13	dA	839	CLA	CBD-CAD	-2.37	1.45	1.56
13	cB	808	CLA	C3D-C4D	-2.37	1.38	1.44
13	cB	829	CLA	C4C-C3C	2.37	1.49	1.45
13	cA	814	CLA	C1C-NC	-2.37	1.34	1.37
13	dA	815	CLA	C1C-NC	-2.37	1.34	1.37
13	aB	820	CLA	C4C-C3C	2.37	1.49	1.45
13	cB	832	CLA	C4C-C3C	2.37	1.49	1.45
13	aB	832	CLA	C3B-C4B	2.37	1.49	1.42
13	bA	805	CLA	C3B-C4B	2.37	1.49	1.42
13	bA	839	CLA	C4D-CHA	2.37	1.46	1.38
13	dB	807	CLA	C3D-C4D	-2.37	1.38	1.44
13	bA	841	CLA	C3D-C4D	-2.37	1.38	1.44
13	dB	805	CLA	C3B-C4B	2.37	1.49	1.42
13	bA	824	CLA	C1C-NC	-2.37	1.34	1.37
13	dA	809	CLA	C3D-C4D	-2.37	1.38	1.44
13	dB	827	CLA	C1B-C2B	2.37	1.48	1.43
13	dA	816	CLA	C4C-C3C	2.37	1.49	1.45
13	aB	804	CLA	C1B-C2B	2.37	1.48	1.43
13	bB	803	CLA	OBD-CAD	2.37	1.26	1.22
13	cB	832	CLA	C1B-C2B	2.37	1.48	1.43
13	cL	204	CLA	C1B-C2B	2.37	1.48	1.43
13	dA	827	CLA	CBD-CAD	-2.37	1.45	1.56
13	bB	811	CLA	C1C-NC	-2.37	1.34	1.37
13	bB	815	CLA	C1B-C2B	2.37	1.48	1.43
13	dB	814	CLA	C1B-C2B	2.36	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	813	CLA	C1C-NC	-2.36	1.34	1.37
13	cA	814	CLA	C3D-C4D	-2.36	1.38	1.44
13	bB	808	CLA	C3B-C4B	2.36	1.49	1.42
13	bA	821	CLA	C1C-NC	-2.36	1.34	1.37
13	dA	824	CLA	C1C-NC	-2.36	1.34	1.37
13	bB	829	CLA	C1C-C2C	2.36	1.49	1.44
13	aA	842	CLA	C4C-C3C	2.36	1.49	1.45
13	dB	812	CLA	C1B-C2B	2.36	1.48	1.43
13	aB	829	CLA	C4C-C3C	2.36	1.49	1.45
13	cB	807	CLA	C3D-C4D	-2.36	1.38	1.44
13	bA	843	CLA	C1C-NC	-2.36	1.34	1.37
13	aB	806	CLA	C4C-C3C	2.36	1.49	1.45
13	aA	830	CLA	C1B-C2B	2.36	1.48	1.43
13	bA	816	CLA	C3B-C4B	2.36	1.49	1.42
13	bA	804	CLA	C4C-C3C	2.36	1.49	1.45
13	aA	814	CLA	C1C-NC	-2.36	1.34	1.37
13	dA	843	CLA	C1C-NC	-2.36	1.34	1.37
13	aA	835	CLA	C1B-C2B	2.36	1.48	1.43
13	cA	830	CLA	C1B-C2B	2.36	1.48	1.43
13	dB	803	CLA	OBD-CAD	2.36	1.26	1.22
13	aL	204	CLA	C1B-C2B	2.36	1.48	1.43
13	cA	818	CLA	C1B-C2B	2.36	1.48	1.43
13	dB	829	CLA	OBD-CAD	2.36	1.26	1.22
13	bA	827	CLA	CBD-CAD	-2.36	1.46	1.56
13	dA	820	CLA	C1C-NC	-2.36	1.34	1.37
13	dA	842	CLA	C3D-C4D	-2.36	1.38	1.44
13	bB	821	CLA	C1B-C2B	2.36	1.48	1.43
13	bB	807	CLA	C3D-C4D	-2.36	1.38	1.44
13	bA	820	CLA	C1C-NC	-2.36	1.34	1.37
13	cA	842	CLA	C1B-C2B	2.36	1.48	1.43
13	aB	823	CLA	C3D-C4D	-2.36	1.38	1.44
13	aB	833	CLA	C1C-C2C	2.36	1.49	1.44
13	dB	811	CLA	C1C-NC	-2.36	1.34	1.37
13	cB	823	CLA	C3D-C4D	-2.36	1.38	1.44
13	bA	833	CLA	CHB-C4A	-2.36	1.31	1.37
13	bL	203	CLA	CHB-C4A	-2.36	1.31	1.37
13	dB	809	CLA	C1B-C2B	2.36	1.48	1.43
13	cA	837	CLA	C3D-C4D	-2.36	1.38	1.44
13	aA	805	CLA	C3D-C4D	-2.36	1.38	1.44
13	bB	806	CLA	C3D-C4D	-2.35	1.38	1.44
13	cB	805	CLA	C3D-C4D	-2.35	1.38	1.44
13	dB	815	CLA	C1B-C2B	2.35	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aL	202	CLA	C1B-C2B	2.35	1.48	1.43
13	bA	816	CLA	C4C-C3C	2.35	1.49	1.45
13	bB	823	CLA	C4D-CHA	2.35	1.46	1.38
13	aA	804	CLA	C3D-C4D	-2.35	1.38	1.44
13	aB	808	CLA	C3D-C4D	-2.35	1.38	1.44
13	dB	819	CLA	C3D-C4D	-2.35	1.38	1.44
13	dB	812	CLA	C4C-C3C	2.35	1.49	1.45
15	dJ	102	BCR	C30-C25	-2.35	1.50	1.53
13	dB	825	CLA	C3D-C4D	-2.35	1.38	1.44
13	dA	830	CLA	CHB-C4A	-2.35	1.31	1.37
13	bB	805	CLA	C3B-C4B	2.35	1.49	1.42
13	bB	812	CLA	C1B-C2B	2.35	1.48	1.43
13	cA	835	CLA	C1B-C2B	2.35	1.48	1.43
13	bB	829	CLA	OBD-CAD	2.35	1.26	1.22
13	dA	816	CLA	C3B-C4B	2.35	1.49	1.42
13	aK	201	CLA	C4C-C3C	2.35	1.49	1.45
13	cL	202	CLA	C1B-C2B	2.35	1.48	1.43
13	aB	831	CLA	C3B-C4B	2.35	1.49	1.42
13	cB	831	CLA	C3B-C4B	2.35	1.49	1.42
13	cA	804	CLA	C3D-C4D	-2.35	1.38	1.44
13	dA	833	CLA	CHB-C4A	-2.35	1.31	1.37
13	bA	842	CLA	C3D-C4D	-2.35	1.38	1.44
13	aA	821	CLA	C1C-NC	-2.35	1.34	1.37
13	cA	805	CLA	C3D-C4D	-2.35	1.38	1.44
13	dA	822	CLA	C4D-CHA	2.35	1.46	1.38
13	bA	804	CLA	C1B-C2B	2.35	1.48	1.43
15	bA	850	BCR	C38-C26	-2.35	1.47	1.50
13	dA	831	CLA	CHB-C4A	-2.35	1.31	1.37
13	dA	833	CLA	C1C-NC	-2.35	1.34	1.37
13	aA	811	CLA	C3D-C4D	-2.34	1.38	1.44
13	aB	805	CLA	C3D-C4D	-2.34	1.38	1.44
13	cB	833	CLA	C1C-C2C	2.34	1.49	1.44
13	aB	825	CLA	C4C-C3C	2.34	1.49	1.45
13	cB	820	CLA	C4C-C3C	2.34	1.49	1.45
13	cB	825	CLA	C4C-C3C	2.34	1.49	1.45
13	cK	203	CLA	C3B-C4B	2.34	1.49	1.42
13	bB	809	CLA	C1B-C2B	2.34	1.48	1.43
13	aK	203	CLA	C3B-C4B	2.34	1.49	1.42
13	bA	809	CLA	C3D-C4D	-2.34	1.38	1.44
13	aA	817	CLA	C3B-C4B	2.34	1.49	1.42
13	bA	833	CLA	C1C-NC	-2.34	1.34	1.37
13	cA	817	CLA	C3B-C4B	2.34	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	806	CLA	C3D-C4D	-2.34	1.38	1.44
13	cA	806	CLA	C3B-C4B	2.34	1.49	1.42
13	cF	201	CLA	C1B-C2B	2.34	1.48	1.43
13	bA	802	CLA	C1C-NC	-2.34	1.34	1.37
13	cA	812	CLA	C3B-C4B	2.34	1.49	1.42
13	aB	821	CLA	C3D-C4D	-2.34	1.38	1.44
13	dB	809	CLA	C4D-CHA	2.34	1.46	1.38
13	bB	812	CLA	C3B-C4B	2.34	1.49	1.42
13	bA	831	CLA	CHB-C4A	-2.34	1.31	1.37
13	aA	812	CLA	C3B-C4B	2.34	1.49	1.42
13	aA	803	CLA	C3B-C4B	2.34	1.49	1.42
15	bI	101	BCR	C38-C26	-2.34	1.47	1.50
13	bB	819	CLA	C3D-C4D	-2.34	1.38	1.44
13	dB	823	CLA	C4D-CHA	2.34	1.46	1.38
13	bB	803	CLA	C1B-C2B	2.34	1.48	1.43
13	dB	807	CLA	C1C-NC	-2.34	1.34	1.37
13	dB	829	CLA	C1C-C2C	2.33	1.49	1.44
13	cB	821	CLA	C3D-C4D	-2.33	1.38	1.44
13	cB	816	CLA	C1B-C2B	2.33	1.48	1.43
13	dB	821	CLA	C1B-C2B	2.33	1.48	1.43
13	aA	828	CLA	CHB-C4A	-2.33	1.31	1.37
13	bA	815	CLA	C1B-C2B	2.33	1.48	1.43
13	dA	841	CLA	C3D-C4D	-2.33	1.38	1.44
13	aA	803	CLA	CHB-C4A	-2.33	1.31	1.37
13	aA	842	CLA	C3B-C4B	2.33	1.49	1.42
13	cF	204	CLA	C3D-C4D	-2.33	1.38	1.44
13	cB	829	CLA	C1C-C2C	2.33	1.49	1.44
13	cA	840	CLA	C1C-NC	-2.33	1.34	1.37
13	cA	822	CLA	C4C-C3C	2.33	1.49	1.45
15	cI	101	BCR	C30-C25	-2.33	1.50	1.53
13	bA	823	CLA	C4D-CHA	2.33	1.46	1.38
13	aA	806	CLA	C3B-C4B	2.33	1.49	1.42
13	bB	825	CLA	C3D-C4D	-2.33	1.38	1.44
13	cA	839	CLA	C3B-C4B	2.33	1.49	1.42
13	bB	809	CLA	C4D-CHA	2.33	1.46	1.38
13	aB	810	CLA	C3B-C4B	2.33	1.49	1.42
13	aB	817	CLA	C4C-C3C	2.33	1.49	1.45
13	cB	817	CLA	C4C-C3C	2.33	1.49	1.45
13	dA	804	CLA	C1B-C2B	2.33	1.48	1.43
13	bA	822	CLA	C4D-CHA	2.33	1.46	1.38
13	bB	820	CLA	C1B-C2B	2.33	1.48	1.43
13	cA	802	CLA	C1B-C2B	2.33	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	818	CLA	C1B-C2B	2.32	1.48	1.43
15	dA	849	BCR	C33-C5	-2.32	1.47	1.50
13	dB	803	CLA	C1B-C2B	2.32	1.48	1.43
13	aB	818	CLA	C3D-C4D	-2.32	1.39	1.44
13	dA	812	CLA	C1B-C2B	2.32	1.48	1.43
13	dB	814	CLA	C4C-C3C	2.32	1.49	1.45
13	cB	815	CLA	C3B-C2B	2.32	1.49	1.41
13	dB	812	CLA	C3B-C4B	2.32	1.49	1.42
13	cA	839	CLA	C1C-NC	-2.32	1.34	1.37
13	aA	839	CLA	C3B-C4B	2.32	1.49	1.42
13	cA	803	CLA	CHB-C4A	-2.32	1.31	1.37
13	dL	203	CLA	CHB-C4A	-2.32	1.31	1.37
13	cA	828	CLA	CHB-C4A	-2.32	1.31	1.37
13	aA	833	CLA	C1C-NC	-2.32	1.34	1.37
13	aA	840	CLA	C1C-NC	-2.32	1.34	1.37
13	cA	833	CLA	C1C-NC	-2.32	1.34	1.37
13	aA	839	CLA	C1C-NC	-2.32	1.34	1.37
13	cA	835	CLA	C1C-NC	-2.32	1.34	1.37
13	cB	818	CLA	C3D-C4D	-2.32	1.39	1.44
13	cA	817	CLA	C4C-C3C	2.32	1.49	1.45
13	aB	816	CLA	C1B-C2B	2.32	1.48	1.43
13	bB	814	CLA	C4C-C3C	2.32	1.49	1.45
13	dA	812	CLA	C1C-NC	-2.32	1.34	1.37
13	dB	813	CLA	C3B-C4B	2.32	1.49	1.42
13	cB	825	CLA	C3D-C4D	-2.32	1.39	1.44
13	bA	809	CLA	C1C-NC	-2.32	1.34	1.37
13	bA	812	CLA	C1B-C2B	2.32	1.48	1.43
13	aA	803	CLA	C3D-C4D	-2.32	1.39	1.44
15	bA	849	BCR	C33-C5	-2.32	1.47	1.50
13	aA	822	CLA	C4C-C3C	2.32	1.49	1.45
13	aA	802	CLA	C1B-C2B	2.32	1.48	1.43
13	dB	820	CLA	C3B-C4B	2.32	1.49	1.42
13	bA	833	CLA	C3B-C4B	2.32	1.49	1.42
15	bA	851	BCR	C33-C5	-2.31	1.47	1.50
15	dA	851	BCR	C33-C5	-2.31	1.47	1.50
13	dA	823	CLA	C4D-CHA	2.31	1.46	1.38
13	dB	806	CLA	C1B-C2B	2.31	1.48	1.43
13	bA	836	CLA	C3B-C4B	2.31	1.49	1.42
13	bB	828	CLA	C1B-C2B	2.31	1.48	1.43
13	dA	836	CLA	C3B-C4B	2.31	1.49	1.42
13	dA	841	CLA	CHB-C4A	-2.31	1.31	1.37
13	dJ	101	CLA	C3D-C4D	-2.31	1.39	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	842	CLA	C4C-C3C	2.31	1.49	1.45
15	bA	846	BCR	C33-C5	-2.31	1.47	1.50
13	dA	809	CLA	C1B-C2B	2.31	1.48	1.43
13	aA	804	CLA	C4C-C3C	2.31	1.49	1.45
13	aB	805	CLA	C1C-NC	-2.31	1.34	1.37
13	cA	807	CLA	C3B-C4B	2.31	1.49	1.42
13	dB	821	CLA	C3B-C4B	2.31	1.49	1.42
13	bB	806	CLA	C1B-C2B	2.31	1.48	1.43
13	aB	829	CLA	C1C-C2C	2.31	1.49	1.44
13	aB	815	CLA	C3B-C2B	2.31	1.49	1.41
13	bA	841	CLA	CHB-C4A	-2.31	1.31	1.37
13	dB	806	CLA	C1C-C2C	2.31	1.49	1.44
13	bB	821	CLA	C3B-C4B	2.31	1.49	1.42
13	cA	842	CLA	C3B-C4B	2.31	1.49	1.42
13	aJ	101	CLA	C1B-C2B	2.31	1.48	1.43
13	bA	831	CLA	C4C-C3C	2.31	1.49	1.45
13	aA	817	CLA	C4C-C3C	2.31	1.49	1.45
13	bB	807	CLA	C1C-NC	-2.31	1.34	1.37
13	cB	805	CLA	C1C-NC	-2.31	1.34	1.37
13	cA	836	CLA	C4C-C3C	2.31	1.49	1.45
13	dA	815	CLA	C1B-C2B	2.31	1.48	1.43
13	cA	803	CLA	C3D-C4D	-2.30	1.39	1.44
15	cL	206	BCR	C30-C25	-2.30	1.50	1.53
13	bB	813	CLA	C3B-C4B	2.30	1.49	1.42
13	bB	820	CLA	C3B-C4B	2.30	1.49	1.42
13	bB	812	CLA	C4C-C3C	2.30	1.48	1.45
13	cA	803	CLA	C3B-C4B	2.30	1.49	1.42
13	dA	833	CLA	C3B-C4B	2.30	1.49	1.42
13	bB	817	CLA	C3B-C2B	2.30	1.48	1.41
13	dB	820	CLA	C1B-C2B	2.30	1.48	1.43
13	dB	807	CLA	C4C-C3C	2.30	1.48	1.45
13	aB	833	CLA	C3B-C4B	2.30	1.49	1.42
13	bA	840	CLA	CHB-C4A	-2.30	1.31	1.37
13	dA	822	CLA	CBD-CAD	-2.30	1.46	1.56
13	cJ	101	CLA	C1B-C2B	2.30	1.48	1.43
13	dB	828	CLA	C1B-C2B	2.30	1.48	1.43
13	dB	817	CLA	C3B-C2B	2.30	1.48	1.41
13	aA	835	CLA	C4C-C3C	2.30	1.48	1.45
13	cA	804	CLA	C4C-C3C	2.30	1.48	1.45
13	dA	831	CLA	C4C-C3C	2.30	1.48	1.45
13	aA	842	CLA	C3D-C4D	-2.30	1.39	1.44
13	cB	810	CLA	C3B-C4B	2.30	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	833	CLA	C3B-C4B	2.30	1.49	1.42
13	bB	802	CLA	C4D-CHA	2.30	1.46	1.38
13	bB	818	CLA	C3D-C4D	-2.30	1.39	1.44
13	dA	809	CLA	C1C-NC	-2.30	1.34	1.37
13	dB	822	CLA	C3B-C4B	2.30	1.49	1.42
15	cI	101	BCR	C27-C26	-2.30	1.46	1.51
13	aA	807	CLA	C3B-C4B	2.30	1.49	1.42
13	aA	809	CLA	C1B-C2B	2.30	1.48	1.43
13	cB	817	CLA	C1C-C2C	2.30	1.49	1.44
13	aF	204	CLA	C3D-C4D	-2.30	1.39	1.44
13	bA	803	CLA	C3D-C4D	-2.30	1.39	1.44
13	cA	809	CLA	C1B-C2B	2.30	1.48	1.43
13	bA	819	CLA	C1C-NC	-2.30	1.34	1.37
13	dA	820	CLA	CHB-C4A	-2.29	1.31	1.37
13	bA	822	CLA	CBD-CAD	-2.29	1.46	1.56
13	dA	828	CLA	C3B-C4B	2.29	1.49	1.42
13	cA	842	CLA	C3D-C4D	-2.29	1.39	1.44
13	dB	827	CLA	C3D-C4D	-2.29	1.39	1.44
13	bB	822	CLA	C3B-C4B	2.29	1.49	1.42
13	dJ	101	CLA	C3B-C4B	2.29	1.49	1.42
13	cA	834	CLA	C1C-NC	-2.29	1.34	1.37
13	aA	836	CLA	C4C-C3C	2.29	1.48	1.45
12	dA	801	CL0	C4A-C3A	-2.29	1.46	1.51
15	aI	101	BCR	C30-C25	-2.29	1.50	1.53
13	bL	203	CLA	C4D-CHA	2.29	1.46	1.38
13	dL	203	CLA	C4D-CHA	2.29	1.46	1.38
13	bA	809	CLA	C1B-C2B	2.29	1.48	1.43
15	dA	846	BCR	C33-C5	-2.29	1.47	1.50
13	dB	818	CLA	C3D-C4D	-2.29	1.39	1.44
15	aL	206	BCR	C30-C25	-2.29	1.50	1.53
13	bA	820	CLA	CHB-C4A	-2.29	1.32	1.37
13	aA	810	CLA	C3D-C4D	-2.29	1.39	1.44
13	aB	827	CLA	C3D-C4D	-2.29	1.39	1.44
13	bJ	101	CLA	C3B-C4B	2.29	1.49	1.42
13	dA	825	CLA	C1C-NC	-2.29	1.34	1.37
13	bB	806	CLA	C1C-C2C	2.29	1.49	1.44
13	dB	802	CLA	C4D-CHA	2.29	1.46	1.38
13	dA	842	CLA	C1C-NC	-2.29	1.34	1.37
13	cA	842	CLA	C1C-C2C	2.29	1.49	1.44
13	dA	817	CLA	C3B-C4B	2.29	1.49	1.42
13	cA	804	CLA	C1C-NC	-2.28	1.34	1.37
13	cA	810	CLA	C3D-C4D	-2.28	1.39	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	807	CLA	C1B-C2B	2.28	1.48	1.43
13	aA	835	CLA	C1C-NC	-2.28	1.34	1.37
13	bA	812	CLA	C1C-NC	-2.28	1.34	1.37
13	dB	820	CLA	C4C-C3C	2.28	1.48	1.45
13	cB	812	CLA	C1C-C2C	2.28	1.49	1.44
13	bJ	101	CLA	C3D-C4D	-2.28	1.39	1.44
13	cB	804	CLA	CBD-CAD	-2.28	1.46	1.56
13	dB	819	CLA	C3B-C4B	2.28	1.49	1.42
13	aA	834	CLA	C1C-NC	-2.28	1.34	1.37
13	aA	804	CLA	C1C-NC	-2.28	1.34	1.37
13	dA	840	CLA	CHB-C4A	-2.28	1.32	1.37
13	dA	803	CLA	C3D-C4D	-2.28	1.39	1.44
13	dB	816	CLA	C3B-C2B	2.28	1.48	1.41
13	dB	822	CLA	C4C-C3C	2.28	1.48	1.45
13	cB	812	CLA	CBD-CAD	-2.28	1.46	1.56
13	cA	803	CLA	C1C-NC	-2.28	1.34	1.37
13	dA	803	CLA	CHB-C4A	-2.28	1.32	1.37
13	bA	803	CLA	CHB-C4A	-2.28	1.32	1.37
13	aB	830	CLA	C3D-C4D	-2.28	1.39	1.44
13	cB	830	CLA	C3D-C4D	-2.28	1.39	1.44
18	bB	837	LMG	O7-C8	-2.28	1.41	1.46
13	aB	812	CLA	CBD-CAD	-2.28	1.46	1.56
13	cA	815	CLA	C3B-C4B	2.27	1.49	1.42
13	bB	816	CLA	C3B-C2B	2.27	1.48	1.41
13	dA	824	CLA	C1B-C2B	2.27	1.48	1.43
13	bA	828	CLA	C3B-C4B	2.27	1.49	1.42
13	bA	824	CLA	C1B-C2B	2.27	1.48	1.43
13	aA	803	CLA	C1C-NC	-2.27	1.34	1.37
13	bB	831	CLA	C1C-NC	-2.27	1.34	1.37
13	bA	818	CLA	C4D-CHA	2.27	1.46	1.38
13	aB	825	CLA	C3D-C4D	-2.27	1.39	1.44
13	bJ	101	CLA	C4C-C3C	2.27	1.48	1.45
13	aB	813	CLA	C3B-C4B	2.27	1.49	1.42
13	bA	817	CLA	C3B-C4B	2.27	1.49	1.42
13	bA	839	CLA	CHB-C4A	-2.27	1.32	1.37
13	bB	815	CLA	C1C-C2C	2.27	1.49	1.44
12	bA	801	CL0	C4A-C3A	-2.27	1.46	1.51
13	cB	807	CLA	C1B-C2B	2.27	1.48	1.43
13	dA	818	CLA	C4D-CHA	2.27	1.46	1.38
13	aA	815	CLA	C3B-C4B	2.27	1.49	1.42
13	aB	812	CLA	C1C-C2C	2.27	1.49	1.44
13	bB	807	CLA	C4C-C3C	2.27	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	829	CLA	C3B-C2B	2.27	1.48	1.41
13	cA	804	CLA	C1B-C2B	2.27	1.48	1.43
13	aB	827	CLA	C3B-C4B	2.27	1.49	1.42
13	dF	204	CLA	C3D-C4D	-2.27	1.39	1.44
13	dA	839	CLA	CHB-C4A	-2.27	1.32	1.37
13	bA	829	CLA	C3B-C2B	2.27	1.48	1.41
13	aB	822	CLA	C4C-C3C	2.27	1.48	1.45
15	cA	845	BCR	C33-C5	-2.27	1.47	1.50
13	bF	204	CLA	C3D-C4D	-2.27	1.39	1.44
13	bB	827	CLA	C3D-C4D	-2.27	1.39	1.44
13	aA	810	CLA	C4C-C3C	2.27	1.48	1.45
13	cB	823	CLA	C3B-C4B	2.26	1.49	1.42
15	aI	101	BCR	C27-C26	-2.26	1.46	1.51
13	cA	812	CLA	C3B-C2B	2.26	1.48	1.41
13	cB	827	CLA	C3D-C4D	-2.26	1.39	1.44
13	cA	809	CLA	C3D-C4D	-2.26	1.39	1.44
13	aA	843	CLA	C3B-C4B	2.26	1.49	1.42
13	cA	843	CLA	C3B-C4B	2.26	1.49	1.42
13	cA	818	CLA	C1C-NC	-2.26	1.34	1.37
13	cB	827	CLA	C3B-C4B	2.26	1.49	1.42
13	aJ	101	CLA	C3D-C4D	-2.26	1.39	1.44
12	bA	801	CL0	C3D-C4D	-2.26	1.38	1.41
13	dJ	101	CLA	C4C-C3C	2.26	1.48	1.45
13	dA	802	CLA	CHB-C4A	-2.26	1.32	1.37
13	aB	821	CLA	C1C-C2C	2.26	1.49	1.44
13	cB	821	CLA	C1C-C2C	2.26	1.49	1.44
13	bB	819	CLA	C3B-C4B	2.26	1.49	1.42
13	aL	203	CLA	C3D-C4D	-2.26	1.39	1.44
13	aA	834	CLA	C1B-C2B	2.26	1.48	1.43
13	dA	819	CLA	C1C-NC	-2.26	1.34	1.37
13	aB	812	CLA	C4C-C3C	2.26	1.48	1.45
13	dB	815	CLA	C1C-C2C	2.26	1.49	1.44
12	dA	801	CL0	C3D-C4D	-2.26	1.38	1.41
15	aA	847	BCR	C33-C5	-2.26	1.47	1.50
13	cA	810	CLA	C4C-C3C	2.26	1.48	1.45
13	cA	835	CLA	C4C-C3C	2.26	1.48	1.45
13	bB	810	CLA	CBD-CAD	-2.26	1.46	1.56
13	aA	842	CLA	C1C-C2C	2.26	1.49	1.44
13	aA	812	CLA	C3B-C2B	2.26	1.48	1.41
13	aB	823	CLA	C3B-C4B	2.26	1.49	1.42
13	aB	804	CLA	CBD-CAD	-2.26	1.46	1.56
13	bA	842	CLA	C1C-NC	-2.26	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cK	201	CLA	C1B-C2B	2.26	1.48	1.43
13	bB	822	CLA	C4C-C3C	2.26	1.48	1.45
13	dB	803	CLA	C3B-C4B	2.26	1.49	1.42
18	dB	837	LMG	O7-C8	-2.26	1.41	1.46
13	cA	820	CLA	CHB-C4A	-2.26	1.32	1.37
13	dB	831	CLA	C1C-NC	-2.26	1.34	1.37
13	cB	822	CLA	C3B-C2B	2.26	1.48	1.41
13	dB	813	CLA	C1B-C2B	2.25	1.48	1.43
13	aB	830	CLA	C4C-C3C	2.25	1.48	1.45
13	aA	804	CLA	C1B-C2B	2.25	1.48	1.43
13	cL	203	CLA	C1B-C2B	2.25	1.48	1.43
13	cB	813	CLA	C3B-C4B	2.25	1.49	1.42
13	aB	817	CLA	C1C-C2C	2.25	1.49	1.44
13	dA	803	CLA	C3B-C4B	2.25	1.49	1.42
13	dB	820	CLA	C3D-C4D	-2.25	1.39	1.44
15	cA	847	BCR	C33-C5	-2.25	1.47	1.50
13	cF	201	CLA	C3D-C4D	-2.25	1.39	1.44
13	cA	817	CLA	C1B-C2B	2.25	1.48	1.43
13	bA	803	CLA	C3B-C4B	2.25	1.49	1.42
13	bB	803	CLA	C3B-C4B	2.25	1.49	1.42
13	aA	840	CLA	C1B-C2B	2.25	1.48	1.43
13	dA	842	CLA	C1B-C2B	2.25	1.48	1.43
13	bB	820	CLA	C4C-C3C	2.25	1.48	1.45
13	bA	842	CLA	C1B-C2B	2.25	1.48	1.43
13	dB	817	CLA	C3B-C4B	2.25	1.49	1.42
13	aA	809	CLA	C3D-C4D	-2.25	1.39	1.44
13	aB	825	CLA	C1C-C2C	2.25	1.49	1.44
13	aF	201	CLA	C3D-C4D	-2.25	1.39	1.44
13	cJ	101	CLA	C3D-C4D	-2.25	1.39	1.44
13	dB	825	CLA	CHB-C4A	-2.25	1.32	1.37
13	cA	840	CLA	C1B-C2B	2.25	1.48	1.43
13	aB	822	CLA	C3B-C2B	2.25	1.48	1.41
13	bA	802	CLA	CHB-C4A	-2.24	1.32	1.37
13	dA	832	CLA	CHB-C4A	-2.24	1.32	1.37
13	dB	810	CLA	CBD-CAD	-2.24	1.46	1.56
13	aA	812	CLA	C4C-C3C	2.24	1.48	1.45
13	cB	816	CLA	C3B-C4B	2.24	1.49	1.42
15	dA	850	BCR	C27-C26	-2.24	1.46	1.51
13	bB	813	CLA	C1B-C2B	2.24	1.48	1.43
13	cA	812	CLA	C4C-C3C	2.24	1.48	1.45
13	bA	825	CLA	CHB-C4A	-2.24	1.32	1.37
13	aB	818	CLA	C1C-C2C	2.24	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	843	CLA	CBD-CAD	-2.24	1.46	1.56
13	bB	817	CLA	C1C-C2C	2.24	1.49	1.44
13	dB	817	CLA	C1C-C2C	2.24	1.49	1.44
13	bA	825	CLA	C1C-NC	-2.24	1.34	1.37
13	aB	830	CLA	C1C-NC	-2.24	1.34	1.37
13	cL	203	CLA	C3D-C4D	-2.24	1.39	1.44
13	dB	814	CLA	C3B-C2B	2.24	1.48	1.41
13	bA	820	CLA	C4C-C3C	2.24	1.48	1.45
13	cB	805	CLA	C4C-C3C	2.24	1.48	1.45
13	bA	832	CLA	CHB-C4A	-2.24	1.32	1.37
13	cB	818	CLA	C1C-C2C	2.24	1.49	1.44
13	dA	806	CLA	CHB-C4A	-2.24	1.32	1.37
13	cB	822	CLA	C4C-C3C	2.24	1.48	1.45
13	aB	830	CLA	C1B-C2B	2.24	1.48	1.43
13	cB	830	CLA	C1B-C2B	2.24	1.48	1.43
13	aA	822	CLA	C3B-C4B	2.24	1.49	1.42
13	aA	818	CLA	C1C-NC	-2.24	1.34	1.37
13	aB	825	CLA	C3B-C4B	2.24	1.49	1.42
13	cA	834	CLA	C1B-C2B	2.24	1.48	1.43
13	cA	815	CLA	C4C-C3C	2.24	1.48	1.45
13	dA	810	CLA	C4C-C3C	2.24	1.48	1.45
13	bA	824	CLA	C3B-C4B	2.24	1.49	1.42
13	dA	824	CLA	C3B-C4B	2.24	1.49	1.42
13	cB	812	CLA	C4C-C3C	2.24	1.48	1.45
13	aA	820	CLA	CHB-C4A	-2.24	1.32	1.37
13	cA	822	CLA	C3B-C4B	2.24	1.49	1.42
13	aL	203	CLA	C1B-C2B	2.24	1.48	1.43
13	dA	823	CLA	C1B-C2B	2.24	1.48	1.43
14	aB	835	PQN	C9-C10	-2.24	1.36	1.39
13	dA	842	CLA	C4C-C3C	2.24	1.48	1.45
13	aB	829	CLA	C1B-C2B	2.24	1.48	1.43
13	aA	817	CLA	C1B-C2B	2.23	1.48	1.43
13	dB	817	CLA	C4C-C3C	2.23	1.48	1.45
13	bB	817	CLA	C3B-C4B	2.23	1.49	1.42
13	bA	802	CLA	CBD-CAD	-2.23	1.46	1.56
13	aA	815	CLA	C4C-C3C	2.23	1.48	1.45
13	dA	802	CLA	CBD-CAD	-2.23	1.46	1.56
13	bB	814	CLA	C3B-C2B	2.23	1.48	1.41
13	dA	843	CLA	CBD-CAD	-2.23	1.46	1.56
13	aA	829	CLA	CBD-CAD	-2.23	1.46	1.56
13	cA	829	CLA	CBD-CAD	-2.23	1.46	1.56
15	bA	850	BCR	C27-C26	-2.23	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	802	CLA	CBD-CAD	-2.23	1.46	1.56
13	cB	830	CLA	C4C-C3C	2.23	1.48	1.45
13	bB	820	CLA	C3D-C4D	-2.23	1.39	1.44
15	aA	845	BCR	C33-C5	-2.23	1.47	1.50
13	cA	814	CLA	C3B-C4B	2.23	1.49	1.42
13	aK	201	CLA	C1B-C2B	2.23	1.48	1.43
13	bA	810	CLA	C4C-C3C	2.23	1.48	1.45
13	bA	823	CLA	C1B-C2B	2.23	1.48	1.43
13	cB	825	CLA	C1C-C2C	2.23	1.49	1.44
13	dB	808	CLA	C4C-C3C	2.23	1.48	1.45
13	aB	804	CLA	C1C-C2C	2.23	1.49	1.44
13	cB	825	CLA	C3B-C4B	2.23	1.49	1.42
13	bA	829	CLA	CBD-CAD	-2.23	1.46	1.56
13	bB	825	CLA	CHB-C4A	-2.22	1.32	1.37
13	aA	814	CLA	C3B-C4B	2.22	1.49	1.42
13	bB	816	CLA	C1D-C2D	2.22	1.49	1.45
13	dA	841	CLA	C1C-C2C	2.22	1.49	1.44
13	dA	837	CLA	CBD-CAD	-2.22	1.46	1.56
13	dB	816	CLA	C1D-C2D	2.22	1.49	1.45
13	cB	829	CLA	C1B-C2B	2.22	1.48	1.43
13	dB	807	CLA	C1C-C2C	2.22	1.49	1.44
13	bB	820	CLA	C3B-C2B	2.22	1.48	1.41
13	bB	828	CLA	C3B-C4B	2.22	1.49	1.42
13	bA	837	CLA	CBD-CAD	-2.22	1.46	1.56
13	cB	815	CLA	C3B-C4B	2.22	1.49	1.42
13	dB	802	CLA	C1C-NC	-2.22	1.34	1.37
13	aB	816	CLA	C3B-C4B	2.22	1.49	1.42
13	bA	808	CLA	C3B-C4B	2.22	1.49	1.42
13	bB	808	CLA	C4C-C3C	2.22	1.48	1.45
13	aL	202	CLA	C4C-C3C	2.22	1.48	1.45
13	bB	824	CLA	C4C-C3C	2.22	1.48	1.45
13	dA	829	CLA	CBD-CAD	-2.22	1.46	1.56
13	bB	807	CLA	C1B-C2B	2.22	1.48	1.43
13	dA	808	CLA	C3B-C4B	2.22	1.49	1.42
13	bB	802	CLA	C1C-NC	-2.22	1.34	1.37
13	aA	805	CLA	C3B-C4B	2.22	1.49	1.42
13	cA	813	CLA	C1B-C2B	2.22	1.48	1.43
13	bA	841	CLA	C1C-C2C	2.22	1.49	1.44
14	cB	835	PQN	C9-C10	-2.22	1.36	1.39
13	aB	805	CLA	C4C-C3C	2.21	1.48	1.45
13	cK	201	CLA	C1C-NC	-2.21	1.34	1.37
13	cA	802	CLA	CBD-CAD	-2.21	1.46	1.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	819	CLA	C3B-C2B	2.21	1.48	1.41
13	bF	204	CLA	C3B-C4B	2.21	1.49	1.42
13	dL	203	CLA	C3B-C4B	2.21	1.49	1.42
13	dB	828	CLA	C3B-C4B	2.21	1.49	1.42
13	aB	822	CLA	C3B-C4B	2.21	1.49	1.42
13	bL	202	CLA	C1B-C2B	2.21	1.48	1.43
13	dA	813	CLA	C3B-C4B	2.21	1.49	1.42
13	dA	829	CLA	C1C-NC	-2.21	1.34	1.37
13	dA	835	CLA	CHB-C4A	-2.21	1.32	1.37
13	cB	818	CLA	C3B-C2B	2.21	1.48	1.41
13	dF	204	CLA	C3B-C4B	2.21	1.49	1.42
13	cK	204	CLA	C3B-C2B	2.21	1.48	1.41
13	bA	824	CLA	CBD-CAD	-2.21	1.46	1.56
13	cA	813	CLA	C1C-NC	-2.21	1.34	1.37
13	cF	201	CLA	C3B-C4B	2.21	1.49	1.42
13	dL	202	CLA	C1B-C2B	2.21	1.48	1.43
13	dA	820	CLA	C4C-C3C	2.21	1.48	1.45
13	aF	201	CLA	C3B-C4B	2.21	1.49	1.42
13	dA	826	CLA	C1B-C2B	2.21	1.48	1.43
13	bL	203	CLA	C3B-C4B	2.21	1.49	1.42
13	dA	824	CLA	CBD-CAD	-2.21	1.46	1.56
13	dB	820	CLA	C3B-C2B	2.21	1.48	1.41
13	bA	829	CLA	C1C-NC	-2.21	1.34	1.37
13	cB	804	CLA	C1C-C2C	2.21	1.49	1.44
13	aA	823	CLA	C3B-C2B	2.21	1.48	1.41
13	bA	806	CLA	CHB-C4A	-2.21	1.32	1.37
13	aB	811	CLA	C3D-C4D	-2.21	1.39	1.44
13	aA	832	CLA	C4C-C3C	2.21	1.48	1.45
13	dA	825	CLA	CHB-C4A	-2.20	1.32	1.37
13	cB	826	CLA	C3B-C2B	2.20	1.48	1.41
13	dA	819	CLA	CBD-CAD	-2.20	1.46	1.56
13	cA	819	CLA	CHB-C4A	-2.20	1.32	1.37
13	aA	838	CLA	C4C-C3C	2.20	1.48	1.45
13	cK	203	CLA	C1B-C2B	2.20	1.48	1.43
13	dB	805	CLA	C1B-C2B	2.20	1.48	1.43
13	dB	827	CLA	C1C-C2C	2.20	1.49	1.44
13	aK	204	CLA	C3B-C2B	2.20	1.48	1.41
13	cL	203	CLA	C4C-C3C	2.20	1.48	1.45
15	cK	202	BCR	C33-C5	-2.20	1.47	1.50
13	cA	805	CLA	C3B-C4B	2.20	1.49	1.42
13	aB	815	CLA	C3B-C4B	2.20	1.49	1.42
13	bA	828	CLA	CHB-C4A	-2.20	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	840	CLA	CBD-CAD	-2.20	1.46	1.56
13	cB	825	CLA	C1B-C2B	2.20	1.48	1.43
13	bB	819	CLA	C3B-C2B	2.20	1.48	1.41
13	cA	838	CLA	C4C-C3C	2.20	1.48	1.45
13	aA	812	CLA	CHB-C4A	-2.20	1.32	1.37
13	bA	826	CLA	C1B-C2B	2.20	1.48	1.43
13	bA	843	CLA	C1B-C2B	2.20	1.48	1.43
13	dA	805	CLA	C1C-C2C	2.20	1.49	1.44
13	dB	821	CLA	C1C-C2C	2.20	1.49	1.44
13	cB	830	CLA	C1C-NC	-2.20	1.34	1.37
13	bB	805	CLA	C1B-C2B	2.20	1.48	1.43
13	aB	814	CLA	C3B-C2B	2.20	1.48	1.41
13	bB	817	CLA	C4C-C3C	2.20	1.48	1.45
13	cB	810	CLA	C3D-C4D	-2.20	1.39	1.44
13	dB	807	CLA	C3B-C2B	2.20	1.48	1.41
13	bB	830	CLA	C1C-NC	-2.20	1.34	1.37
13	cB	811	CLA	C3D-C4D	-2.20	1.39	1.44
13	aB	820	CLA	C1B-C2B	2.20	1.48	1.43
13	dB	819	CLA	C1B-C2B	2.20	1.48	1.43
13	aA	830	CLA	C4C-C3C	2.20	1.48	1.45
13	bA	842	CLA	C4C-C3C	2.20	1.48	1.45
13	cA	830	CLA	C4C-C3C	2.20	1.48	1.45
13	dB	807	CLA	C1B-C2B	2.20	1.48	1.43
13	bA	819	CLA	CBD-CAD	-2.20	1.46	1.56
13	bA	844	CLA	C3D-C4D	-2.20	1.39	1.44
13	aA	840	CLA	CBD-CAD	-2.20	1.46	1.56
13	dB	830	CLA	C1C-NC	-2.20	1.34	1.37
13	cL	202	CLA	C4C-C3C	2.20	1.48	1.45
13	dA	844	CLA	C3D-C4D	-2.20	1.39	1.44
13	bA	826	CLA	CHB-C4A	-2.20	1.32	1.37
13	bA	823	CLA	C1C-NC	-2.19	1.34	1.37
13	aK	203	CLA	C1B-C2B	2.19	1.48	1.43
13	aA	819	CLA	CHB-C4A	-2.19	1.32	1.37
13	dA	843	CLA	C1B-C2B	2.19	1.48	1.43
13	bA	813	CLA	C1B-C2B	2.19	1.48	1.43
13	bB	802	CLA	CBD-CAD	-2.19	1.46	1.56
13	bB	821	CLA	C1C-C2C	2.19	1.49	1.44
13	dB	830	CLA	C1C-C2C	2.19	1.49	1.44
13	bA	840	CLA	CBD-CAD	-2.19	1.46	1.56
13	cB	826	CLA	C3D-C4D	-2.19	1.39	1.44
13	bA	831	CLA	CBD-CAD	-2.19	1.46	1.56
13	bB	807	CLA	C1C-C2C	2.19	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	802	CLA	CBD-CAD	-2.19	1.46	1.56
13	cB	814	CLA	C3B-C2B	2.19	1.48	1.41
13	cA	841	CLA	C3D-C4D	-2.19	1.39	1.44
13	aA	841	CLA	C3B-C4B	2.19	1.49	1.42
13	cB	822	CLA	C3B-C4B	2.19	1.49	1.42
13	dA	840	CLA	CBD-CAD	-2.19	1.46	1.56
13	bB	819	CLA	C1B-C2B	2.19	1.48	1.43
13	dA	810	CLA	C1B-C2B	2.19	1.48	1.43
13	aA	831	CLA	C3B-C2B	2.19	1.48	1.41
13	aA	839	CLA	CBD-CAD	-2.19	1.46	1.56
13	bB	807	CLA	C3B-C2B	2.18	1.48	1.41
13	bF	201	CLA	C3B-C2B	2.18	1.48	1.41
13	aA	813	CLA	C1C-NC	-2.18	1.34	1.37
13	aA	837	CLA	C3B-C4B	2.18	1.49	1.42
13	dA	828	CLA	CHB-C4A	-2.18	1.32	1.37
13	aB	817	CLA	C3D-C4D	-2.18	1.39	1.44
13	aB	825	CLA	C1B-C2B	2.18	1.48	1.43
15	aK	202	BCR	C33-C5	-2.18	1.47	1.50
13	cA	823	CLA	C3B-C2B	2.18	1.48	1.41
13	cA	824	CLA	CBD-CAD	-2.18	1.46	1.56
13	aA	813	CLA	C1B-C2B	2.18	1.48	1.43
13	aB	809	CLA	C4C-C3C	2.18	1.48	1.45
13	cB	826	CLA	C1C-C2C	2.18	1.48	1.44
13	cA	812	CLA	CHB-C4A	-2.18	1.32	1.37
13	dB	813	CLA	C3D-C4D	-2.18	1.39	1.44
13	aA	824	CLA	CBD-CAD	-2.18	1.46	1.56
13	cA	834	CLA	CBD-CAD	-2.18	1.46	1.56
13	aB	826	CLA	C3B-C2B	2.18	1.48	1.41
13	aB	818	CLA	C3B-C2B	2.18	1.48	1.41
13	bA	813	CLA	C3B-C4B	2.18	1.49	1.42
13	cA	841	CLA	C3B-C4B	2.18	1.49	1.42
13	dA	831	CLA	CBD-CAD	-2.18	1.46	1.56
13	bA	835	CLA	CHB-C4A	-2.18	1.32	1.37
13	cA	837	CLA	C3B-C4B	2.18	1.49	1.42
13	dB	824	CLA	C4C-C3C	2.18	1.48	1.45
13	cB	820	CLA	C1B-C2B	2.18	1.48	1.43
15	bA	848	BCR	C1-C6	-2.18	1.51	1.53
15	dA	848	BCR	C1-C6	-2.18	1.51	1.53
13	cA	825	CLA	C1C-NC	-2.18	1.34	1.37
13	aB	826	CLA	C3D-C4D	-2.18	1.39	1.44
13	cA	832	CLA	C4C-C3C	2.18	1.48	1.45
13	cA	808	CLA	C3B-C4B	2.18	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	805	CLA	C1C-C2C	2.18	1.48	1.44
13	bB	828	CLA	C1C-NC	-2.18	1.34	1.37
13	aB	831	CLA	C1C-C2C	2.18	1.48	1.44
15	aB	838	BCR	C38-C26	-2.18	1.47	1.50
13	bA	830	CLA	CBD-CAD	-2.18	1.46	1.56
13	aA	807	CLA	C1C-NC	-2.18	1.34	1.37
13	aB	832	CLA	C1C-C2C	2.18	1.48	1.44
13	cB	808	CLA	C1C-C2C	2.18	1.48	1.44
13	bA	841	CLA	C3B-C4B	2.18	1.49	1.42
13	bA	811	CLA	C3B-C4B	2.18	1.49	1.42
13	aB	826	CLA	C1C-C2C	2.18	1.48	1.44
13	aA	841	CLA	C3D-C4D	-2.18	1.39	1.44
13	aA	808	CLA	C3B-C4B	2.17	1.49	1.42
13	aB	822	CLA	C1B-C2B	2.17	1.48	1.43
13	cB	822	CLA	C1B-C2B	2.17	1.48	1.43
13	bA	810	CLA	C1B-C2B	2.17	1.48	1.43
13	cB	824	CLA	C1C-C2C	2.17	1.48	1.44
13	aB	824	CLA	C1C-C2C	2.17	1.48	1.44
13	aA	834	CLA	CBD-CAD	-2.17	1.46	1.56
13	cA	839	CLA	CBD-CAD	-2.17	1.46	1.56
13	cA	817	CLA	C1C-C2C	2.17	1.48	1.44
15	cB	838	BCR	C38-C26	-2.17	1.47	1.50
13	bB	827	CLA	C1C-C2C	2.17	1.48	1.44
13	bB	813	CLA	C3D-C4D	-2.17	1.39	1.44
13	dA	826	CLA	CHB-C4A	-2.17	1.32	1.37
13	aB	813	CLA	C3D-C4D	-2.17	1.39	1.44
13	cB	813	CLA	C3D-C4D	-2.17	1.39	1.44
13	cB	809	CLA	C4C-C3C	2.17	1.48	1.45
13	aA	829	CLA	C3B-C4B	2.17	1.49	1.42
13	cA	825	CLA	CHB-C4A	-2.17	1.32	1.37
13	cA	811	CLA	C3B-C4B	2.17	1.49	1.42
13	cA	831	CLA	C3B-C2B	2.17	1.48	1.41
13	aA	816	CLA	C3B-C4B	2.17	1.49	1.42
13	dA	818	CLA	CBD-CAD	-2.17	1.46	1.56
13	dA	830	CLA	CBD-CAD	-2.17	1.46	1.56
13	cA	823	CLA	C1B-C2B	2.17	1.48	1.43
13	cB	817	CLA	C3D-C4D	-2.17	1.39	1.44
13	aB	813	CLA	C3B-C2B	2.17	1.48	1.41
13	dB	829	CLA	C1C-NC	-2.17	1.34	1.37
13	dF	201	CLA	C4C-C3C	2.17	1.48	1.45
13	dB	828	CLA	C1C-C2C	2.17	1.48	1.44
13	dJ	101	CLA	C1C-C2C	2.17	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	810	CLA	C1B-C2B	2.17	1.48	1.43
13	aA	811	CLA	C3B-C4B	2.17	1.49	1.42
13	aA	837	CLA	C4C-C3C	2.17	1.48	1.45
13	bA	834	CLA	C4C-C3C	2.17	1.48	1.45
13	cA	816	CLA	C3B-C4B	2.17	1.49	1.42
13	cA	829	CLA	C3B-C4B	2.17	1.49	1.42
13	dA	811	CLA	C3B-C4B	2.17	1.49	1.42
16	dA	852	LHG	P-O6	2.17	1.67	1.59
13	cK	204	CLA	C3B-C4B	2.17	1.49	1.42
13	cA	837	CLA	C4C-C3C	2.17	1.48	1.45
13	dB	803	CLA	CHB-C4A	-2.16	1.32	1.37
13	dA	841	CLA	C3B-C4B	2.16	1.49	1.42
13	dA	806	CLA	CBD-CAD	-2.16	1.46	1.56
16	bA	852	LHG	P-O6	2.16	1.67	1.59
13	bA	807	CLA	CBD-CAD	-2.16	1.46	1.56
13	aA	841	CLA	C3B-C2B	2.16	1.48	1.41
13	cA	810	CLA	C3B-C2B	2.16	1.48	1.41
13	aB	829	CLA	C3B-C2B	2.16	1.48	1.41
13	cB	813	CLA	C3B-C2B	2.16	1.48	1.41
13	dB	832	CLA	C1B-C2B	2.16	1.48	1.43
13	dA	828	CLA	CBD-CAD	-2.16	1.46	1.56
13	bB	812	CLA	C1C-C2C	2.16	1.48	1.44
13	aB	818	CLA	C4C-C3C	2.16	1.48	1.45
13	aL	203	CLA	C4C-C3C	2.16	1.48	1.45
13	dA	834	CLA	C4C-C3C	2.16	1.48	1.45
13	aA	827	CLA	CHB-C4A	-2.16	1.32	1.37
13	aK	201	CLA	C1C-NC	-2.16	1.34	1.37
13	dF	201	CLA	C3B-C2B	2.16	1.48	1.41
13	bA	816	CLA	C1B-C2B	2.16	1.48	1.43
13	bA	828	CLA	CBD-CAD	-2.16	1.46	1.56
13	dB	828	CLA	C1C-NC	-2.16	1.34	1.37
13	aA	816	CLA	C3B-C2B	2.16	1.48	1.41
13	bB	830	CLA	C1C-C2C	2.16	1.48	1.44
13	dA	807	CLA	CBD-CAD	-2.16	1.46	1.56
13	bA	818	CLA	CBD-CAD	-2.16	1.46	1.56
13	bB	817	CLA	C1B-C2B	2.16	1.48	1.43
13	dB	812	CLA	C1C-C2C	2.16	1.48	1.44
13	cB	824	CLA	C3B-C2B	2.16	1.48	1.41
13	aA	834	CLA	C3B-C4B	2.16	1.49	1.42
13	aA	830	CLA	C1C-C2C	2.16	1.48	1.44
13	aL	202	CLA	C1C-C2C	2.16	1.48	1.44
13	cL	202	CLA	C1C-C2C	2.16	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	825	CLA	C1C-NC	-2.16	1.34	1.37
15	dB	835	BCR	C33-C5	-2.15	1.47	1.50
13	bB	829	CLA	C1C-NC	-2.15	1.34	1.37
13	bB	803	CLA	C1C-C2C	2.15	1.48	1.44
13	aB	803	CLA	C4C-C3C	2.15	1.48	1.45
13	cA	820	CLA	C4C-C3C	2.15	1.48	1.45
13	dA	819	CLA	C4C-C3C	2.15	1.48	1.45
13	aJ	101	CLA	C3B-C2B	2.15	1.48	1.41
13	dA	813	CLA	C1B-C2B	2.15	1.48	1.43
13	aA	810	CLA	C3B-C2B	2.15	1.48	1.41
13	cA	816	CLA	C3B-C2B	2.15	1.48	1.41
13	cB	809	CLA	C3B-C2B	2.15	1.48	1.41
13	aJ	101	CLA	C1C-C2C	2.15	1.48	1.44
13	aL	202	CLA	C3B-C2B	2.15	1.48	1.41
13	cL	202	CLA	C3B-C2B	2.15	1.48	1.41
13	cA	812	CLA	C1B-C2B	2.15	1.48	1.43
13	cA	827	CLA	CHB-C4A	-2.15	1.32	1.37
13	bB	828	CLA	C1C-C2C	2.15	1.48	1.44
13	cA	830	CLA	C1C-C2C	2.15	1.48	1.44
13	bA	806	CLA	CBD-CAD	-2.15	1.46	1.56
13	cB	831	CLA	C1C-C2C	2.15	1.48	1.44
13	bB	805	CLA	CBD-CAD	-2.15	1.46	1.56
13	aB	810	CLA	C3D-C4D	-2.15	1.39	1.44
13	cA	833	CLA	C3B-C4B	2.15	1.49	1.42
13	cK	204	CLA	C1C-NC	-2.15	1.34	1.37
13	aB	807	CLA	C3B-C2B	2.15	1.48	1.41
13	cB	807	CLA	C3B-C2B	2.15	1.48	1.41
13	dB	832	CLA	CHB-C4A	-2.15	1.32	1.37
13	dB	805	CLA	CBD-CAD	-2.15	1.46	1.56
13	aA	833	CLA	C3B-C4B	2.15	1.49	1.42
13	bB	803	CLA	CHB-C4A	-2.15	1.32	1.37
13	cA	810	CLA	C1B-C2B	2.15	1.48	1.43
13	dB	803	CLA	C1C-C2C	2.15	1.48	1.44
13	aB	809	CLA	C3B-C2B	2.15	1.48	1.41
13	dB	817	CLA	C1B-C2B	2.15	1.48	1.43
13	cA	841	CLA	C3B-C2B	2.15	1.48	1.41
13	dB	810	CLA	C1B-C2B	2.15	1.48	1.43
13	cB	803	CLA	C4C-C3C	2.15	1.48	1.45
13	bJ	101	CLA	C1C-C2C	2.15	1.48	1.44
13	bB	829	CLA	C3B-C4B	2.15	1.49	1.42
13	cB	832	CLA	C1C-C2C	2.15	1.48	1.44
12	cA	801	CL0	C3D-C4D	-2.15	1.38	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	830	CLA	C3B-C4B	2.15	1.49	1.42
13	cB	830	CLA	C3B-C4B	2.15	1.49	1.42
13	aB	819	CLA	C1C-C2C	2.15	1.48	1.44
13	cB	819	CLA	C1C-C2C	2.15	1.48	1.44
13	aB	824	CLA	C3B-C2B	2.15	1.48	1.41
13	bF	201	CLA	C4C-C3C	2.14	1.48	1.45
13	cB	829	CLA	C3B-C2B	2.14	1.48	1.41
13	bB	810	CLA	C1B-C2B	2.14	1.48	1.43
13	cB	806	CLA	CBD-CAD	-2.14	1.46	1.56
13	dA	838	CLA	C4C-C3C	2.14	1.48	1.45
13	aA	842	CLA	C3B-C2B	2.14	1.48	1.41
13	dB	805	CLA	C3B-C2B	2.14	1.48	1.41
15	bB	835	BCR	C33-C5	-2.14	1.47	1.50
13	cA	810	CLA	C1C-NC	-2.14	1.34	1.37
13	cJ	101	CLA	C3B-C2B	2.14	1.48	1.41
13	bB	823	CLA	C1C-C2C	2.14	1.48	1.44
13	aA	822	CLA	CBD-CAD	-2.14	1.46	1.56
13	bA	819	CLA	C4C-C3C	2.14	1.48	1.45
13	aB	806	CLA	CBD-CAD	-2.14	1.46	1.56
13	bA	831	CLA	C3B-C4B	2.14	1.49	1.42
13	aB	822	CLA	C3D-C4D	-2.14	1.39	1.44
13	cB	824	CLA	C1B-C2B	2.14	1.48	1.43
13	aA	820	CLA	C4C-C3C	2.14	1.48	1.45
13	cB	818	CLA	C4C-C3C	2.14	1.48	1.45
13	cA	834	CLA	C3B-C4B	2.14	1.49	1.42
13	dB	829	CLA	C3B-C4B	2.14	1.49	1.42
13	aA	825	CLA	CHB-C4A	-2.14	1.32	1.37
12	aA	801	CL0	C3D-C4D	-2.14	1.38	1.41
13	dA	844	CLA	C3B-C4B	2.14	1.49	1.42
12	dA	801	CL0	CHA-CBD	-2.14	1.49	1.51
13	cA	840	CLA	C3B-C4B	2.14	1.49	1.42
13	dA	821	CLA	C3B-C4B	2.14	1.49	1.42
13	dA	831	CLA	C3B-C4B	2.14	1.49	1.42
13	cA	822	CLA	CBD-CAD	-2.14	1.46	1.56
13	bB	805	CLA	C3B-C2B	2.14	1.48	1.41
13	aB	824	CLA	C1B-C2B	2.14	1.48	1.43
13	aK	204	CLA	C3B-C4B	2.14	1.49	1.42
13	aB	828	CLA	C3B-C2B	2.14	1.48	1.41
13	cJ	101	CLA	C1C-C2C	2.14	1.48	1.44
13	cA	807	CLA	C1C-NC	-2.14	1.34	1.37
13	aA	817	CLA	C1C-C2C	2.14	1.48	1.44
13	dA	823	CLA	C3B-C4B	2.14	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	844	CLA	C3B-C4B	2.14	1.49	1.42
13	aA	805	CLA	C1C-C2C	2.14	1.48	1.44
13	dB	805	CLA	C3D-C4D	-2.14	1.39	1.44
13	dA	813	CLA	CBD-CAD	-2.14	1.46	1.56
13	dA	809	CLA	CBD-CAD	-2.14	1.46	1.56
13	dB	806	CLA	C3B-C4B	2.14	1.49	1.42
13	bB	827	CLA	C3B-C2B	2.14	1.48	1.41
13	bB	814	CLA	C3B-C4B	2.13	1.49	1.42
13	aB	819	CLA	C3D-C4D	-2.13	1.39	1.44
13	aB	813	CLA	C1C-C2C	2.13	1.48	1.44
15	bL	201	BCR	C33-C5	-2.13	1.47	1.50
13	cA	827	CLA	C3B-C4B	2.13	1.49	1.42
13	bA	837	CLA	C1C-NC	-2.13	1.34	1.37
13	dA	816	CLA	C1B-C2B	2.13	1.48	1.43
15	bA	847	BCR	C33-C5	-2.13	1.47	1.50
13	cA	842	CLA	C3B-C2B	2.13	1.48	1.41
13	bA	813	CLA	CBD-CAD	-2.13	1.46	1.56
13	cB	822	CLA	C3D-C4D	-2.13	1.39	1.44
13	bA	821	CLA	C3B-C4B	2.13	1.49	1.42
13	bA	822	CLA	CHB-C4A	-2.13	1.32	1.37
13	bA	812	CLA	C3B-C2B	2.13	1.48	1.41
13	dA	812	CLA	C3B-C4B	2.13	1.48	1.42
13	aA	812	CLA	C1B-C2B	2.13	1.48	1.43
13	cA	835	CLA	C3B-C4B	2.13	1.48	1.42
13	aA	840	CLA	C3B-C4B	2.13	1.48	1.42
13	dB	814	CLA	C3B-C4B	2.13	1.48	1.42
13	bA	809	CLA	CBD-CAD	-2.13	1.47	1.56
13	dA	822	CLA	CHB-C4A	-2.13	1.32	1.37
13	aA	835	CLA	C3B-C4B	2.13	1.48	1.42
13	aL	204	CLA	C3B-C4B	2.13	1.48	1.42
13	bB	832	CLA	C1B-C2B	2.13	1.48	1.43
13	cA	806	CLA	CHB-C4A	-2.13	1.32	1.37
13	bB	832	CLA	CHB-C4A	-2.13	1.32	1.37
13	bA	838	CLA	C4C-C3C	2.13	1.48	1.45
13	dA	817	CLA	C4C-C3C	2.13	1.48	1.45
13	aB	808	CLA	C1C-C2C	2.13	1.48	1.44
13	cA	809	CLA	C1C-C2C	2.13	1.48	1.44
13	cA	811	CLA	C1C-C2C	2.13	1.48	1.44
13	bB	805	CLA	C3D-C4D	-2.13	1.39	1.44
13	dB	823	CLA	C1C-C2C	2.13	1.48	1.44
13	cA	814	CLA	C1B-C2B	2.13	1.48	1.43
13	dA	809	CLA	C3B-C2B	2.12	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dB	824	CLA	C3D-C4D	-2.12	1.39	1.44
13	bB	814	CLA	CBD-CAD	-2.12	1.47	1.56
13	aA	809	CLA	C1C-C2C	2.12	1.48	1.44
13	bB	824	CLA	C3D-C4D	-2.12	1.39	1.44
13	aA	825	CLA	C3B-C4B	2.12	1.48	1.42
13	bB	806	CLA	C3B-C4B	2.12	1.48	1.42
13	aA	814	CLA	C1B-C2B	2.12	1.48	1.43
13	bA	817	CLA	C1B-C2B	2.12	1.48	1.43
13	cB	831	CLA	C3B-C2B	2.12	1.48	1.41
13	dA	837	CLA	C1C-NC	-2.12	1.34	1.37
13	dA	821	CLA	C1B-C2B	2.12	1.48	1.43
13	cA	808	CLA	C1D-C2D	2.12	1.49	1.45
13	cA	843	CLA	C1C-NC	-2.12	1.34	1.37
13	dA	819	CLA	C3B-C4B	2.12	1.48	1.42
13	aA	823	CLA	C1B-C2B	2.12	1.48	1.43
13	bA	812	CLA	C3B-C4B	2.12	1.48	1.42
13	dA	823	CLA	C1C-NC	-2.12	1.34	1.37
15	dA	847	BCR	C33-C5	-2.12	1.47	1.50
13	cA	807	CLA	C1B-C2B	2.12	1.48	1.43
13	cB	828	CLA	C3B-C2B	2.12	1.48	1.41
13	cA	809	CLA	C4C-C3C	2.12	1.48	1.45
13	dB	814	CLA	CBD-CAD	-2.12	1.47	1.56
13	aA	806	CLA	CHB-C4A	-2.12	1.32	1.37
13	dB	830	CLA	C3B-C2B	2.12	1.48	1.41
13	aB	831	CLA	C3B-C2B	2.12	1.48	1.41
13	aA	807	CLA	C1B-C2B	2.12	1.48	1.43
13	cA	825	CLA	C3B-C4B	2.12	1.48	1.42
13	aA	802	CLA	C4C-C3C	2.12	1.48	1.45
13	bB	822	CLA	C1C-NC	-2.12	1.34	1.37
13	bA	821	CLA	C1B-C2B	2.12	1.48	1.43
13	cF	204	CLA	C1C-C2C	2.12	1.48	1.44
13	dB	827	CLA	C3B-C2B	2.11	1.48	1.41
13	bA	826	CLA	C4C-C3C	2.11	1.48	1.45
13	cB	813	CLA	C1C-C2C	2.11	1.48	1.44
15	dL	201	BCR	C33-C5	-2.11	1.47	1.50
13	bA	819	CLA	C3B-C4B	2.11	1.48	1.42
13	aB	828	CLA	C3D-C4D	-2.11	1.39	1.44
13	aA	809	CLA	C4C-C3C	2.11	1.48	1.45
13	aB	810	CLA	C1C-NC	-2.11	1.34	1.37
13	cA	838	CLA	C3B-C2B	2.11	1.48	1.41
13	cL	204	CLA	C3B-C4B	2.11	1.48	1.42
13	bB	824	CLA	C1C-C2C	2.11	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bA	809	CLA	C3B-C2B	2.11	1.48	1.41
13	aA	827	CLA	C3B-C4B	2.11	1.48	1.42
13	bA	823	CLA	C3B-C4B	2.11	1.48	1.42
13	dA	812	CLA	C3B-C2B	2.11	1.48	1.41
13	bA	806	CLA	C3B-C4B	2.11	1.48	1.42
13	cA	805	CLA	C1C-C2C	2.11	1.48	1.44
13	aB	808	CLA	C4C-C3C	2.11	1.48	1.45
13	cB	808	CLA	C4C-C3C	2.11	1.48	1.45
13	cB	821	CLA	C1B-C2B	2.11	1.48	1.43
13	cB	828	CLA	C3D-C4D	-2.11	1.39	1.44
13	bB	830	CLA	C3B-C2B	2.11	1.48	1.41
13	dB	818	CLA	CHB-C4A	-2.11	1.32	1.37
13	bB	830	CLA	C3B-C4B	2.11	1.48	1.42
13	dA	806	CLA	C3B-C4B	2.11	1.48	1.42
13	dA	826	CLA	C4C-C3C	2.11	1.48	1.45
13	aB	803	CLA	C1A-CHA	2.11	1.51	1.43
13	cK	204	CLA	CBD-CAD	-2.11	1.47	1.56
13	dA	816	CLA	CBD-CAD	-2.11	1.47	1.56
13	dB	812	CLA	C3B-C2B	2.11	1.48	1.41
13	dA	819	CLA	CHB-C4A	-2.11	1.32	1.37
13	aB	805	CLA	CBD-CAD	-2.11	1.47	1.56
13	cB	819	CLA	C3D-C4D	-2.11	1.39	1.44
13	cA	806	CLA	C1C-C2C	2.11	1.48	1.44
13	dA	817	CLA	C1B-C2B	2.11	1.48	1.43
13	bA	834	CLA	CBD-CAD	-2.11	1.47	1.56
13	aA	838	CLA	C3B-C2B	2.11	1.48	1.41
13	cA	802	CLA	C4C-C3C	2.11	1.48	1.45
13	cB	804	CLA	C4C-C3C	2.11	1.48	1.45
13	aB	806	CLA	C1A-CHA	2.10	1.51	1.43
13	bA	810	CLA	C3B-C2B	2.10	1.48	1.41
13	aF	204	CLA	C1C-C2C	2.10	1.48	1.44
13	aB	819	CLA	C3B-C4B	2.10	1.48	1.42
13	bA	816	CLA	CBD-CAD	-2.10	1.47	1.56
13	aA	824	CLA	C3B-C4B	2.10	1.48	1.42
13	cL	202	CLA	C3B-C4B	2.10	1.48	1.42
13	aB	821	CLA	C1B-C2B	2.10	1.48	1.43
13	dA	814	CLA	C1B-C2B	2.10	1.48	1.43
13	aA	811	CLA	C1C-C2C	2.10	1.48	1.44
13	aB	814	CLA	C3D-C4D	-2.10	1.39	1.44
13	cB	814	CLA	C3D-C4D	-2.10	1.39	1.44
13	cB	803	CLA	C1A-CHA	2.10	1.51	1.43
13	bA	843	CLA	C3B-C4B	2.10	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	810	CLA	C1C-NC	-2.10	1.34	1.37
13	cB	820	CLA	CHB-C4A	-2.10	1.32	1.37
13	dA	834	CLA	CBD-CAD	-2.10	1.47	1.56
13	cA	813	CLA	C4C-C3C	2.10	1.48	1.45
13	aB	832	CLA	CBD-CAD	-2.10	1.47	1.56
13	bB	806	CLA	C3B-C2B	2.10	1.48	1.41
13	dB	816	CLA	C3B-C4B	2.10	1.48	1.42
13	dA	838	CLA	CBD-CAD	-2.10	1.47	1.56
13	bB	832	CLA	C3B-C4B	2.10	1.48	1.42
13	dB	832	CLA	C3B-C4B	2.10	1.48	1.42
13	cB	806	CLA	C1B-C2B	2.10	1.48	1.43
13	aB	820	CLA	CHB-C4A	-2.10	1.32	1.37
13	bA	838	CLA	CBD-CAD	-2.10	1.47	1.56
13	dB	821	CLA	CBD-CAD	-2.10	1.47	1.56
13	cB	805	CLA	CBD-CAD	-2.10	1.47	1.56
13	cA	838	CLA	C1C-NC	-2.10	1.34	1.37
13	aA	808	CLA	C1D-C2D	2.10	1.49	1.45
13	cB	810	CLA	C1C-NC	-2.10	1.34	1.37
13	dB	822	CLA	C1C-NC	-2.10	1.34	1.37
13	cA	824	CLA	C3B-C4B	2.10	1.48	1.42
12	bA	801	CL0	CHA-CBD	-2.10	1.49	1.51
13	aB	817	CLA	C3B-C2B	2.10	1.48	1.41
13	aA	838	CLA	C1C-NC	-2.10	1.34	1.37
13	bB	809	CLA	CHB-C4A	-2.10	1.32	1.37
13	cB	806	CLA	C1A-CHA	2.10	1.51	1.43
13	aB	832	CLA	C3B-C2B	2.10	1.48	1.41
13	bB	805	CLA	C1A-CHA	2.10	1.51	1.43
13	dB	802	CLA	C1A-CHA	2.09	1.51	1.43
13	bL	203	CLA	CBD-CAD	-2.09	1.47	1.56
13	aA	836	CLA	C1C-NC	-2.09	1.34	1.37
13	dA	843	CLA	C3B-C4B	2.09	1.48	1.42
13	dB	830	CLA	C3B-C4B	2.09	1.48	1.42
13	cB	816	CLA	C3D-C4D	-2.09	1.39	1.44
13	bA	819	CLA	CHB-C4A	-2.09	1.32	1.37
13	bA	821	CLA	CHB-C4A	-2.09	1.32	1.37
13	aB	816	CLA	C3D-C4D	-2.09	1.39	1.44
13	aA	802	CLA	C1C-NC	-2.09	1.34	1.37
13	aK	204	CLA	C1C-NC	-2.09	1.34	1.37
13	aA	813	CLA	C4C-C3C	2.09	1.48	1.45
13	aB	806	CLA	C1B-C2B	2.09	1.48	1.43
13	dB	829	CLA	C1B-C2B	2.09	1.48	1.43
13	cB	820	CLA	C1C-C2C	2.09	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	bB	821	CLA	CBD-CAD	-2.09	1.47	1.56
13	aA	812	CLA	C1C-C2C	2.09	1.48	1.44
13	bA	827	CLA	C1C-NC	-2.09	1.34	1.37
13	bB	826	CLA	C1C-NC	-2.09	1.34	1.37
13	aA	838	CLA	C1B-C2B	2.09	1.48	1.43
13	dA	810	CLA	C3B-C2B	2.09	1.48	1.41
13	aK	204	CLA	CBD-CAD	-2.09	1.47	1.56
13	cB	819	CLA	C3B-C4B	2.09	1.48	1.42
13	cA	827	CLA	CBD-CAD	-2.09	1.47	1.56
13	cB	817	CLA	C3B-C2B	2.09	1.48	1.41
13	dA	829	CLA	CHB-C4A	-2.09	1.32	1.37
13	dB	819	CLA	C1C-NC	-2.09	1.34	1.37
13	bA	814	CLA	C1B-C2B	2.09	1.48	1.43
13	bB	812	CLA	C3B-C2B	2.09	1.48	1.41
13	cA	837	CLA	CHB-C4A	-2.09	1.32	1.37
13	aL	202	CLA	C3B-C4B	2.09	1.48	1.42
13	aA	837	CLA	C1C-NC	-2.09	1.34	1.37
13	cB	832	CLA	C3B-C2B	2.09	1.48	1.41
13	bA	818	CLA	CHB-C4A	-2.09	1.32	1.37
13	bA	815	CLA	C4C-C3C	2.09	1.48	1.45
13	cB	832	CLA	CBD-CAD	-2.09	1.47	1.56
13	dL	203	CLA	CBD-CAD	-2.09	1.47	1.56
13	aB	804	CLA	C4C-C3C	2.09	1.48	1.45
13	aA	843	CLA	C1C-NC	-2.09	1.34	1.37
13	aB	805	CLA	C1A-CHA	2.09	1.51	1.43
13	bB	818	CLA	CHB-C4A	-2.09	1.32	1.37
13	bA	808	CLA	CHB-C4A	-2.09	1.32	1.37
13	aA	827	CLA	CBD-CAD	-2.09	1.47	1.56
13	aA	806	CLA	C1C-C2C	2.09	1.48	1.44
13	dB	809	CLA	CHB-C4A	-2.09	1.32	1.37
13	bB	829	CLA	C1B-C2B	2.09	1.48	1.43
13	cB	833	CLA	C3B-C2B	2.08	1.48	1.41
13	cA	837	CLA	C1C-NC	-2.08	1.34	1.37
13	bB	802	CLA	C1A-CHA	2.08	1.51	1.43
13	dA	818	CLA	CHB-C4A	-2.08	1.32	1.37
13	cA	802	CLA	C1C-NC	-2.08	1.34	1.37
13	cA	812	CLA	C1C-C2C	2.08	1.48	1.44
13	cA	836	CLA	C1B-C2B	2.08	1.48	1.43
13	dA	815	CLA	CHB-C4A	-2.08	1.32	1.37
13	aK	203	CLA	C3B-C2B	2.08	1.48	1.41
13	cK	203	CLA	C3B-C2B	2.08	1.48	1.41
13	dA	808	CLA	C4C-C3C	2.08	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aB	820	CLA	C1C-C2C	2.08	1.48	1.44
13	dA	821	CLA	CHB-C4A	-2.08	1.32	1.37
13	cA	825	CLA	CBD-CAD	-2.08	1.47	1.56
13	cA	822	CLA	C1C-NC	-2.08	1.34	1.37
13	bA	817	CLA	C4C-C3C	2.08	1.48	1.45
13	dB	806	CLA	C3B-C2B	2.08	1.48	1.41
13	bA	829	CLA	CHB-C4A	-2.08	1.32	1.37
13	bA	804	CLA	CBD-CAD	-2.08	1.47	1.56
13	dA	807	CLA	C3B-C4B	2.08	1.48	1.42
13	cB	820	CLA	C1C-NC	-2.08	1.34	1.37
13	bA	803	CLA	C3B-C2B	2.08	1.48	1.41
13	dB	828	CLA	C3B-C2B	2.08	1.48	1.41
13	dB	805	CLA	C1A-CHA	2.08	1.51	1.43
13	dA	821	CLA	CBD-CAD	-2.08	1.47	1.56
13	aB	819	CLA	C1A-CHA	2.08	1.51	1.43
13	bB	819	CLA	CHB-C4A	-2.08	1.32	1.37
13	dB	819	CLA	CHB-C4A	-2.08	1.32	1.37
13	bA	830	CLA	C4C-C3C	2.08	1.48	1.45
13	cA	836	CLA	C1C-NC	-2.08	1.34	1.37
13	dA	831	CLA	C1C-NC	-2.08	1.34	1.37
13	bB	823	CLA	C3B-C4B	2.08	1.48	1.42
13	bA	821	CLA	CBD-CAD	-2.08	1.47	1.56
13	cA	843	CLA	CBD-CAD	-2.08	1.47	1.56
13	bA	808	CLA	C4C-C3C	2.08	1.48	1.45
13	dB	824	CLA	C1C-C2C	2.08	1.48	1.44
13	bB	831	CLA	C4C-C3C	2.08	1.48	1.45
13	dA	804	CLA	CBD-CAD	-2.08	1.47	1.56
13	dB	818	CLA	C1A-CHA	2.08	1.51	1.43
18	dB	837	LMG	O8-C9	-2.08	1.40	1.45
13	dA	820	CLA	C3B-C4B	2.08	1.48	1.42
13	aA	823	CLA	C1C-C2C	2.08	1.48	1.44
13	dB	814	CLA	C1C-C2C	2.08	1.48	1.44
13	dB	831	CLA	CBD-CAD	-2.08	1.47	1.56
13	bB	814	CLA	C1C-C2C	2.07	1.48	1.44
13	cB	819	CLA	C1A-CHA	2.07	1.51	1.43
13	bB	831	CLA	C1B-C2B	2.07	1.48	1.43
13	bB	818	CLA	C1A-CHA	2.07	1.51	1.43
13	aA	825	CLA	CBD-CAD	-2.07	1.47	1.56
15	dL	204	BCR	C33-C5	-2.07	1.47	1.50
13	bB	826	CLA	C4C-C3C	2.07	1.48	1.45
13	bA	835	CLA	CBD-CAD	-2.07	1.47	1.56
13	cA	838	CLA	C1B-C2B	2.07	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dF	204	CLA	C3B-C2B	2.07	1.48	1.41
13	bB	828	CLA	C3B-C2B	2.07	1.48	1.41
13	cK	201	CLA	CHB-C4A	-2.07	1.32	1.37
13	cB	805	CLA	C1A-CHA	2.07	1.51	1.43
13	dB	826	CLA	C4C-C3C	2.07	1.48	1.45
13	aB	826	CLA	C1B-C2B	2.07	1.48	1.43
13	aB	820	CLA	C1C-NC	-2.07	1.34	1.37
13	dB	826	CLA	C1C-NC	-2.07	1.34	1.37
13	bA	807	CLA	C3B-C4B	2.07	1.48	1.42
13	aB	803	CLA	CBD-CAD	-2.07	1.47	1.56
13	cB	803	CLA	CBD-CAD	-2.07	1.47	1.56
13	bB	816	CLA	C3B-C4B	2.07	1.48	1.42
13	dA	835	CLA	CBD-CAD	-2.07	1.47	1.56
13	aA	843	CLA	CBD-CAD	-2.07	1.47	1.56
13	bB	831	CLA	CBD-CAD	-2.07	1.47	1.56
13	aB	803	CLA	C1C-C2C	2.07	1.48	1.44
13	cB	803	CLA	C1C-C2C	2.07	1.48	1.44
13	aA	836	CLA	C1B-C2B	2.07	1.48	1.43
13	aB	808	CLA	C3B-C4B	2.07	1.48	1.42
13	aB	833	CLA	C3B-C2B	2.07	1.48	1.41
13	dA	808	CLA	CHB-C4A	-2.07	1.32	1.37
13	aA	822	CLA	C1C-NC	-2.06	1.34	1.37
15	dB	834	BCR	C38-C26	-2.06	1.47	1.50
13	cA	843	CLA	C1B-C2B	2.06	1.48	1.43
13	cA	831	CLA	C1C-NC	-2.06	1.34	1.37
13	dA	808	CLA	C1C-NC	-2.06	1.34	1.37
13	bA	815	CLA	CHB-C4A	-2.06	1.32	1.37
13	aK	201	CLA	CHB-C4A	-2.06	1.32	1.37
13	bA	808	CLA	C1C-NC	-2.06	1.34	1.37
13	aL	203	CLA	C3B-C4B	2.06	1.48	1.42
13	cL	203	CLA	C3B-C4B	2.06	1.48	1.42
13	aB	824	CLA	C3B-C4B	2.06	1.48	1.42
13	aB	829	CLA	C3D-C4D	-2.06	1.39	1.44
13	dA	842	CLA	C1C-C2C	2.06	1.48	1.44
13	cB	812	CLA	C1B-C2B	2.06	1.48	1.43
13	aK	204	CLA	CHB-C4A	-2.06	1.32	1.37
13	cA	811	CLA	C1C-NC	-2.06	1.34	1.37
13	aA	837	CLA	CHB-C4A	-2.06	1.32	1.37
13	cA	808	CLA	C1C-C2C	2.06	1.48	1.44
13	dA	830	CLA	C4C-C3C	2.06	1.48	1.45
15	bB	834	BCR	C38-C26	-2.06	1.47	1.50
13	bB	832	CLA	C4C-C3C	2.06	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	dA	815	CLA	C4C-C3C	2.06	1.48	1.45
15	cA	848	BCR	C38-C26	-2.06	1.47	1.50
13	dB	831	CLA	C4C-C3C	2.06	1.48	1.45
13	dF	204	CLA	C1C-NC	-2.06	1.34	1.37
13	dB	825	CLA	C1B-C2B	2.06	1.48	1.43
13	bA	820	CLA	C3B-C4B	2.06	1.48	1.42
13	cA	823	CLA	C1C-C2C	2.06	1.48	1.44
13	cB	826	CLA	C1B-C2B	2.06	1.48	1.43
13	aA	843	CLA	C1B-C2B	2.06	1.48	1.43
13	dA	805	CLA	CHB-C4A	-2.06	1.32	1.37
13	dA	829	CLA	C1B-C2B	2.06	1.48	1.43
13	cB	810	CLA	C3B-C2B	2.06	1.48	1.41
13	bB	819	CLA	C1C-NC	-2.06	1.34	1.37
13	dB	823	CLA	C3B-C4B	2.06	1.48	1.42
13	cB	833	CLA	C1C-NC	-2.05	1.34	1.37
13	cA	837	CLA	CBD-CAD	-2.05	1.47	1.56
18	bB	837	LMG	O8-C9	-2.05	1.40	1.45
13	cB	808	CLA	C3B-C4B	2.05	1.48	1.42
13	cB	829	CLA	C3D-C4D	-2.05	1.39	1.44
13	aB	810	CLA	C3B-C2B	2.05	1.48	1.41
13	aA	826	CLA	C1C-NC	-2.05	1.34	1.37
13	bA	832	CLA	C4C-C3C	2.05	1.48	1.45
13	aA	802	CLA	CHB-C4A	-2.05	1.32	1.37
13	dA	808	CLA	C1C-C2C	2.05	1.48	1.44
13	aA	811	CLA	C1C-NC	-2.05	1.34	1.37
13	aB	808	CLA	C3B-C2B	2.05	1.48	1.41
13	dA	842	CLA	C3B-C4B	2.05	1.48	1.42
13	bB	818	CLA	C1C-NC	-2.05	1.34	1.37
13	dB	818	CLA	C1C-NC	-2.05	1.34	1.37
13	aB	809	CLA	C1C-C2C	2.05	1.48	1.44
13	cB	808	CLA	C3B-C2B	2.05	1.48	1.41
13	dA	827	CLA	C1C-NC	-2.05	1.34	1.37
13	dB	816	CLA	C1C-NC	-2.05	1.34	1.37
13	dB	822	CLA	C1B-C2B	2.05	1.47	1.43
13	aA	838	CLA	CBD-CAD	-2.05	1.47	1.56
13	cA	838	CLA	CBD-CAD	-2.05	1.47	1.56
13	cA	825	CLA	C1B-C2B	2.05	1.47	1.43
13	bJ	101	CLA	C1B-C2B	2.05	1.47	1.43
13	dB	831	CLA	C1B-C2B	2.05	1.47	1.43
13	dA	803	CLA	C3B-C2B	2.05	1.48	1.41
15	aK	205	BCR	C33-C5	-2.05	1.47	1.50
13	cA	832	CLA	C1B-C2B	2.05	1.47	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	aA	833	CLA	CHB-C4A	-2.05	1.32	1.37
13	cA	833	CLA	CHB-C4A	-2.05	1.32	1.37
13	dF	201	CLA	C1C-NC	-2.05	1.34	1.37
13	cB	816	CLA	C1C-C2C	2.05	1.48	1.44
13	cA	842	CLA	CBD-CAD	-2.05	1.47	1.56
13	cB	804	CLA	C1A-CHA	2.05	1.51	1.43
13	cA	818	CLA	CBD-CAD	-2.05	1.47	1.56
13	cB	822	CLA	C1A-CHA	2.05	1.51	1.43
13	dA	814	CLA	O2D-CED	-2.05	1.40	1.45
13	cA	834	CLA	C3B-C2B	2.05	1.48	1.41
13	cL	204	CLA	C1C-NC	-2.05	1.34	1.37
15	aA	848	BCR	C38-C26	-2.05	1.47	1.50
13	dA	836	CLA	CHB-C4A	-2.05	1.32	1.37
13	bA	831	CLA	C1C-NC	-2.05	1.34	1.37
13	bF	201	CLA	C1C-NC	-2.05	1.34	1.37
13	cA	806	CLA	C1C-NC	-2.05	1.34	1.37
13	cA	819	CLA	C1C-NC	-2.05	1.34	1.37
13	cB	824	CLA	C3B-C4B	2.05	1.48	1.42
13	bA	814	CLA	O2D-CED	-2.05	1.40	1.45
13	bA	805	CLA	CHB-C4A	-2.05	1.32	1.37
13	dB	811	CLA	CHB-C4A	-2.05	1.32	1.37
13	bA	842	CLA	C1C-C2C	2.05	1.48	1.44
13	cB	809	CLA	C1C-C2C	2.05	1.48	1.44
13	aA	806	CLA	C1C-NC	-2.05	1.34	1.37
13	cF	201	CLA	C1A-CHA	2.05	1.51	1.43
13	aA	831	CLA	C1C-NC	-2.05	1.34	1.37
13	cA	839	CLA	CHB-C4A	-2.05	1.32	1.37
15	dL	201	BCR	C38-C26	-2.05	1.47	1.50
13	dB	825	CLA	C3B-C2B	2.04	1.48	1.41
13	dB	811	CLA	C1B-C2B	2.04	1.47	1.43
13	aB	813	CLA	C1D-C2D	2.04	1.49	1.45
13	cA	807	CLA	CHB-C4A	-2.04	1.32	1.37
13	bB	821	CLA	C4C-C3C	2.04	1.48	1.45
13	bA	829	CLA	C1B-C2B	2.04	1.47	1.43
13	bA	810	CLA	CBD-CAD	-2.04	1.47	1.56
13	aB	822	CLA	C1A-CHA	2.04	1.51	1.43
13	aF	201	CLA	C1A-CHA	2.04	1.51	1.43
13	cA	824	CLA	CHB-C4A	-2.04	1.32	1.37
13	dA	806	CLA	C1B-C2B	2.04	1.47	1.43
13	aA	842	CLA	CBD-CAD	-2.04	1.47	1.56
13	cA	836	CLA	C3B-C4B	2.04	1.48	1.42
13	aA	836	CLA	C3B-C4B	2.04	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cB	813	CLA	C1D-C2D	2.04	1.49	1.45
13	dA	810	CLA	CBD-CAD	-2.04	1.47	1.56
13	aA	841	CLA	C1A-CHA	2.04	1.51	1.43
13	bF	204	CLA	C3B-C2B	2.04	1.48	1.41
13	dA	807	CLA	C1B-C2B	2.04	1.47	1.43
13	aA	839	CLA	CHB-C4A	-2.04	1.32	1.37
13	bB	813	CLA	C3B-C2B	2.04	1.48	1.41
13	bA	807	CLA	C1B-C2B	2.04	1.47	1.43
13	cA	841	CLA	C1A-CHA	2.04	1.51	1.43
15	aF	202	BCR	C38-C26	-2.04	1.47	1.50
13	bB	811	CLA	C1B-C2B	2.04	1.47	1.43
13	dA	834	CLA	CHB-C4A	-2.04	1.32	1.37
13	aA	834	CLA	C3B-C2B	2.04	1.48	1.41
13	cB	821	CLA	C3B-C2B	2.04	1.48	1.41
13	aB	812	CLA	C1B-C2B	2.04	1.47	1.43
15	bL	201	BCR	C38-C26	-2.04	1.47	1.50
13	aA	807	CLA	CHB-C4A	-2.04	1.32	1.37
13	aB	806	CLA	CHB-C4A	-2.04	1.32	1.37
13	aA	819	CLA	C1C-NC	-2.04	1.34	1.37
15	bJ	104	BCR	C33-C5	-2.04	1.47	1.50
15	dB	836	BCR	C38-C26	-2.04	1.47	1.50
13	cK	204	CLA	CHB-C4A	-2.04	1.32	1.37
13	dB	832	CLA	C4C-C3C	2.04	1.48	1.45
13	aB	804	CLA	C1A-CHA	2.04	1.51	1.43
13	cB	828	CLA	C1A-CHA	2.04	1.51	1.43
13	cB	806	CLA	CHB-C4A	-2.04	1.32	1.37
13	aB	821	CLA	C3B-C2B	2.04	1.48	1.41
13	bA	842	CLA	C3B-C4B	2.04	1.48	1.42
15	dL	204	BCR	C38-C26	-2.04	1.47	1.50
13	aA	818	CLA	CBD-CAD	-2.04	1.47	1.56
16	aA	851	LHG	O7-C5	-2.04	1.41	1.46
13	aA	832	CLA	C1B-C2B	2.04	1.47	1.43
13	bA	806	CLA	C1B-C2B	2.04	1.47	1.43
15	dJ	104	BCR	C33-C5	-2.04	1.47	1.50
13	dA	812	CLA	CBD-CAD	-2.04	1.47	1.56
13	aA	837	CLA	CBD-CAD	-2.03	1.47	1.56
13	aF	204	CLA	C3B-C2B	2.03	1.48	1.41
13	aA	806	CLA	C1B-C2B	2.03	1.47	1.43
13	bA	808	CLA	C1C-C2C	2.03	1.48	1.44
13	aB	816	CLA	C3B-C2B	2.03	1.48	1.41
13	bB	822	CLA	C1B-C2B	2.03	1.47	1.43
13	dJ	101	CLA	C1B-C2B	2.03	1.47	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	bB	836	BCR	C38-C26	-2.03	1.47	1.50
13	bF	204	CLA	C1C-NC	-2.03	1.34	1.37
13	bA	829	CLA	C3B-C4B	2.03	1.48	1.42
13	bB	804	CLA	C1B-C2B	2.03	1.47	1.43
13	dB	811	CLA	C3B-C2B	2.03	1.48	1.41
13	dA	842	CLA	CHB-C4A	-2.03	1.32	1.37
13	aB	815	CLA	C1C-C2C	2.03	1.48	1.44
13	dB	802	CLA	C4C-C3C	2.03	1.48	1.45
13	aB	807	CLA	C1C-NC	-2.03	1.34	1.37
13	bA	839	CLA	C3B-C4B	2.03	1.48	1.42
13	dA	839	CLA	C3B-C4B	2.03	1.48	1.42
13	dA	829	CLA	C3B-C4B	2.03	1.48	1.42
13	bB	825	CLA	C1B-C2B	2.03	1.47	1.43
16	cA	851	LHG	O7-C5	-2.03	1.41	1.46
13	cA	813	CLA	C3B-C4B	2.03	1.48	1.42
13	cA	830	CLA	CBD-CAD	-2.03	1.47	1.56
13	aK	203	CLA	CBD-CAD	-2.03	1.47	1.56
13	bB	815	CLA	CHB-C4A	-2.03	1.32	1.37
13	bJ	101	CLA	CHB-C4A	-2.03	1.32	1.37
13	aA	825	CLA	C1B-C2B	2.03	1.47	1.43
13	bA	842	CLA	CBD-CAD	-2.03	1.47	1.56
13	bB	815	CLA	C3B-C4B	2.03	1.48	1.42
13	bA	812	CLA	CBD-CAD	-2.03	1.47	1.56
15	cF	202	BCR	C38-C26	-2.03	1.47	1.50
15	cL	201	BCR	C38-C26	-2.03	1.47	1.50
13	cB	807	CLA	C1C-NC	-2.03	1.34	1.37
13	aA	830	CLA	C3B-C4B	2.03	1.48	1.42
13	dA	844	CLA	C1B-C2B	2.03	1.47	1.43
13	aB	833	CLA	C4C-C3C	2.03	1.48	1.45
13	cB	811	CLA	C1A-CHA	2.03	1.51	1.43
12	cA	801	CL0	C4A-C3A	-2.03	1.47	1.51
15	aL	201	BCR	C38-C26	-2.03	1.47	1.50
13	bB	809	CLA	CBD-CAD	-2.03	1.47	1.56
13	aB	811	CLA	C1A-CHA	2.03	1.51	1.43
13	dA	832	CLA	C4C-C3C	2.03	1.48	1.45
13	bA	836	CLA	CHB-C4A	-2.03	1.32	1.37
13	bA	844	CLA	C1B-C2B	2.03	1.47	1.43
13	aA	803	CLA	C3B-C2B	2.03	1.48	1.41
13	dB	807	CLA	C3B-C4B	2.03	1.48	1.42
13	bB	816	CLA	C1C-NC	-2.03	1.34	1.37
13	bB	825	CLA	C3B-C2B	2.03	1.48	1.41
13	aA	830	CLA	CBD-CAD	-2.02	1.47	1.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	829	CLA	C1B-C2B	2.02	1.47	1.43
13	aB	833	CLA	C1C-NC	-2.02	1.34	1.37
13	cK	203	CLA	C1C-NC	-2.02	1.34	1.37
13	aB	827	CLA	CBD-CAD	-2.02	1.47	1.56
13	cA	806	CLA	C1B-C2B	2.02	1.47	1.43
13	cB	828	CLA	C1C-C2C	2.02	1.48	1.44
13	aA	813	CLA	C3B-C4B	2.02	1.48	1.42
13	aA	821	CLA	CBD-CAD	-2.02	1.47	1.56
13	bB	811	CLA	CHB-C4A	-2.02	1.32	1.37
13	bB	815	CLA	C1C-NC	-2.02	1.34	1.37
13	cF	204	CLA	C3B-C2B	2.02	1.48	1.41
13	aA	808	CLA	C1C-C2C	2.02	1.48	1.44
13	dB	821	CLA	C4C-C3C	2.02	1.48	1.45
13	bA	840	CLA	C1B-C2B	2.02	1.47	1.43
13	dA	840	CLA	C1B-C2B	2.02	1.47	1.43
13	aB	816	CLA	C1A-CHA	2.02	1.51	1.43
13	cB	816	CLA	C1A-CHA	2.02	1.51	1.43
13	bA	830	CLA	C3B-C4B	2.02	1.48	1.42
13	dB	813	CLA	C3B-C2B	2.02	1.48	1.41
13	dB	815	CLA	C1C-NC	-2.02	1.34	1.37
13	cB	820	CLA	C3B-C2B	2.02	1.48	1.41
13	bB	819	CLA	CBD-CAD	-2.02	1.47	1.56
13	cB	827	CLA	CBD-CAD	-2.02	1.47	1.56
13	bB	802	CLA	C4C-C3C	2.02	1.48	1.45
13	cA	802	CLA	CHB-C4A	-2.02	1.32	1.37
13	dA	817	CLA	C3B-C2B	2.02	1.48	1.41
13	cB	815	CLA	C1C-C2C	2.02	1.48	1.44
13	cA	826	CLA	C1C-NC	-2.02	1.34	1.37
13	cA	840	CLA	CHB-C4A	-2.02	1.32	1.37
13	aB	816	CLA	C1C-C2C	2.02	1.48	1.44
13	aA	829	CLA	C1B-C2B	2.02	1.47	1.43
13	aL	204	CLA	C1C-NC	-2.02	1.34	1.37
13	bA	833	CLA	CBD-CAD	-2.02	1.47	1.56
13	bB	811	CLA	C3B-C2B	2.02	1.48	1.41
13	aB	820	CLA	C3B-C2B	2.02	1.48	1.41
13	dB	809	CLA	CBD-CAD	-2.02	1.47	1.56
13	dB	819	CLA	C4C-C3C	2.02	1.48	1.45
13	aF	204	CLA	C1D-C2D	2.02	1.49	1.45
13	cF	204	CLA	C1D-C2D	2.02	1.49	1.45
13	dB	804	CLA	C1B-C2B	2.02	1.47	1.43
13	dA	833	CLA	CBD-CAD	-2.02	1.47	1.56
13	bA	817	CLA	C3B-C2B	2.02	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cA	821	CLA	CBD-CAD	-2.02	1.47	1.56
13	cA	811	CLA	C4C-C3C	2.01	1.48	1.45
13	cA	830	CLA	C3B-C4B	2.01	1.48	1.42
13	aB	828	CLA	C1A-CHA	2.01	1.51	1.43
13	cB	804	CLA	C3D-C4D	-2.01	1.39	1.44
13	bA	836	CLA	C4C-C3C	2.01	1.48	1.45
13	dB	819	CLA	CBD-CAD	-2.01	1.47	1.56
13	aA	807	CLA	CBD-CAD	-2.01	1.47	1.56
13	cB	805	CLA	C3B-C2B	2.01	1.48	1.41
13	cB	803	CLA	C1C-NC	-2.01	1.34	1.37
13	cB	816	CLA	C3B-C2B	2.01	1.48	1.41
13	cA	816	CLA	C1B-C2B	2.01	1.47	1.43
13	cA	807	CLA	CBD-CAD	-2.01	1.47	1.56
12	aA	801	CL0	C4A-C3A	-2.01	1.47	1.51
13	dA	842	CLA	CBD-CAD	-2.01	1.47	1.56
13	dA	837	CLA	C1C-C2C	2.01	1.48	1.44
13	dJ	101	CLA	CHB-C4A	-2.01	1.32	1.37
13	bA	825	CLA	CBD-CAD	-2.01	1.47	1.56
13	aA	840	CLA	CHB-C4A	-2.01	1.32	1.37
13	cB	831	CLA	C4C-C3C	2.01	1.48	1.45
13	dA	836	CLA	C4C-C3C	2.01	1.48	1.45
13	aA	806	CLA	C3B-C2B	2.01	1.47	1.41
13	cA	806	CLA	C3B-C2B	2.01	1.47	1.41
13	dB	825	CLA	C1C-C2C	2.01	1.48	1.44
13	cA	803	CLA	C3B-C2B	2.01	1.47	1.41
13	bA	824	CLA	CHB-C4A	-2.01	1.32	1.37
13	dA	824	CLA	C3B-C2B	2.01	1.47	1.41
13	aA	823	CLA	C4C-C3C	2.01	1.48	1.45
13	cA	823	CLA	C4C-C3C	2.01	1.48	1.45
13	cB	808	CLA	CHB-C4A	-2.01	1.32	1.37
13	dA	812	CLA	CHB-C4A	-2.01	1.32	1.37
13	aA	824	CLA	CHB-C4A	-2.01	1.32	1.37
13	cK	204	CLA	C1A-CHA	2.01	1.51	1.43
13	cB	833	CLA	C4C-C3C	2.01	1.48	1.45
13	dB	815	CLA	CHB-C4A	-2.00	1.32	1.37
13	aA	811	CLA	C4C-C3C	2.00	1.48	1.45
13	dA	825	CLA	CBD-CAD	-2.00	1.47	1.56
13	bA	834	CLA	CHB-C4A	-2.00	1.32	1.37
13	cA	841	CLA	C1C-C2C	2.00	1.48	1.44
13	bB	821	CLA	CHB-C4A	-2.00	1.32	1.37
13	dB	821	CLA	CHB-C4A	-2.00	1.32	1.37
13	aA	837	CLA	C1B-C2B	2.00	1.47	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	cK	203	CLA	CBD-CAD	-2.00	1.47	1.56
13	aA	820	CLA	CBD-CAD	-2.00	1.47	1.56
13	aA	828	CLA	CBD-CAD	-2.00	1.47	1.56
13	cA	828	CLA	CBD-CAD	-2.00	1.47	1.56
13	cF	201	CLA	C3B-C2B	2.00	1.47	1.41
13	cA	814	CLA	CHB-C4A	-2.00	1.32	1.37
13	cK	201	CLA	C1D-C2D	2.00	1.49	1.45
13	dA	841	CLA	C3B-C2B	2.00	1.47	1.41
13	aK	201	CLA	C1D-C2D	2.00	1.49	1.45
13	aB	804	CLA	C3D-C4D	-2.00	1.39	1.44
13	dB	815	CLA	C3B-C4B	2.00	1.48	1.42
13	aB	803	CLA	C1C-NC	-2.00	1.34	1.37
13	cB	817	CLA	C1D-C2D	2.00	1.49	1.45

All (10841) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
12	bA	801	CL0	O2D-CGD-CBD	10.72	122.73	110.95
12	dA	801	CL0	O2D-CGD-CBD	10.71	122.72	110.95
13	aA	818	CLA	C1D-ND-C4D	-10.60	98.87	106.31
13	cA	818	CLA	C1D-ND-C4D	-10.57	98.90	106.31
13	dA	823	CLA	C1D-ND-C4D	-10.25	99.12	106.31
13	bA	823	CLA	C1D-ND-C4D	-10.25	99.12	106.31
13	aB	820	CLA	C1D-ND-C4D	-10.24	99.13	106.31
13	cB	820	CLA	C1D-ND-C4D	-10.23	99.13	106.31
13	dB	825	CLA	C1D-ND-C4D	-10.20	99.15	106.31
13	bB	825	CLA	C1D-ND-C4D	-10.20	99.15	106.31
13	cB	817	CLA	C1D-ND-C4D	-10.14	99.20	106.31
13	cA	808	CLA	C1D-ND-C4D	-10.12	99.21	106.31
13	dA	818	CLA	C1D-ND-C4D	-10.12	99.21	106.31
13	aL	203	CLA	C1D-ND-C4D	-10.11	99.22	106.31
13	aA	808	CLA	C1D-ND-C4D	-10.09	99.23	106.31
13	aB	817	CLA	C1D-ND-C4D	-10.08	99.24	106.31
13	bA	818	CLA	C1D-ND-C4D	-10.08	99.24	106.31
13	cL	203	CLA	C1D-ND-C4D	-10.06	99.26	106.31
13	dL	202	CLA	C1D-ND-C4D	-9.97	99.32	106.31
13	bL	202	CLA	C1D-ND-C4D	-9.96	99.32	106.31
13	dB	809	CLA	C1D-ND-C4D	-9.96	99.32	106.31
13	bB	809	CLA	C1D-ND-C4D	-9.96	99.33	106.31
13	cB	823	CLA	C1D-ND-C4D	-9.92	99.35	106.31
13	cB	814	CLA	C1D-ND-C4D	-9.91	99.36	106.31
13	aB	823	CLA	C1D-ND-C4D	-9.90	99.36	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	814	CLA	C1D-ND-C4D	-9.88	99.38	106.31
13	bA	808	CLA	C1D-ND-C4D	-9.86	99.40	106.31
13	cB	825	CLA	C1D-ND-C4D	-9.85	99.40	106.31
13	bB	816	CLA	C1D-ND-C4D	-9.85	99.40	106.31
13	dB	816	CLA	C1D-ND-C4D	-9.84	99.41	106.31
13	dA	808	CLA	C1D-ND-C4D	-9.83	99.42	106.31
13	aB	825	CLA	C1D-ND-C4D	-9.80	99.44	106.31
13	dL	203	CLA	C1D-ND-C4D	-9.78	99.45	106.31
13	bA	805	CLA	C1D-ND-C4D	-9.78	99.45	106.31
13	bL	203	CLA	C1D-ND-C4D	-9.78	99.45	106.31
13	aB	803	CLA	C1D-ND-C4D	-9.77	99.46	106.31
13	bB	810	CLA	C1D-ND-C4D	-9.77	99.46	106.31
13	dA	805	CLA	C1D-ND-C4D	-9.76	99.47	106.31
13	dB	810	CLA	C1D-ND-C4D	-9.76	99.47	106.31
13	cB	803	CLA	C1D-ND-C4D	-9.75	99.47	106.31
13	cA	811	CLA	C1D-ND-C4D	-9.75	99.47	106.31
13	bB	817	CLA	C1D-ND-C4D	-9.74	99.48	106.31
13	dB	817	CLA	C1D-ND-C4D	-9.72	99.49	106.31
13	cA	817	CLA	C1D-ND-C4D	-9.68	99.52	106.31
13	aB	809	CLA	C1D-ND-C4D	-9.67	99.53	106.31
13	aA	811	CLA	C1D-ND-C4D	-9.67	99.53	106.31
13	aA	817	CLA	C1D-ND-C4D	-9.64	99.55	106.31
13	cB	809	CLA	C1D-ND-C4D	-9.60	99.57	106.31
13	cB	826	CLA	C1D-ND-C4D	-9.59	99.59	106.31
13	cA	812	CLA	C1D-ND-C4D	-9.57	99.60	106.31
13	aA	812	CLA	C1D-ND-C4D	-9.56	99.61	106.31
13	bB	826	CLA	C1D-ND-C4D	-9.55	99.61	106.31
13	cA	826	CLA	C1D-ND-C4D	-9.54	99.62	106.31
13	bB	806	CLA	C1D-ND-C4D	-9.53	99.62	106.31
13	dB	806	CLA	C1D-ND-C4D	-9.53	99.62	106.31
13	aA	826	CLA	C1D-ND-C4D	-9.52	99.63	106.31
13	aB	826	CLA	C1D-ND-C4D	-9.52	99.63	106.31
13	dB	826	CLA	C1D-ND-C4D	-9.51	99.64	106.31
13	aA	805	CLA	C1D-ND-C4D	-9.48	99.66	106.31
13	bA	804	CLA	C1D-ND-C4D	-9.46	99.67	106.31
13	dB	828	CLA	C1D-ND-C4D	-9.46	99.68	106.31
13	bB	828	CLA	C1D-ND-C4D	-9.45	99.68	106.31
13	dA	804	CLA	C1D-ND-C4D	-9.45	99.68	106.31
13	dF	201	CLA	C1D-ND-C4D	-9.44	99.69	106.31
13	cA	805	CLA	C1D-ND-C4D	-9.44	99.69	106.31
13	dA	842	CLA	C1D-ND-C4D	-9.44	99.69	106.31
13	bF	201	CLA	C1D-ND-C4D	-9.44	99.69	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
12	dA	801	CL0	C1B-CHB-C4A	9.44	127.39	121.32
13	aA	807	CLA	C1D-ND-C4D	-9.41	99.71	106.31
13	aB	827	CLA	C1D-ND-C4D	-9.41	99.71	106.31
13	cB	827	CLA	C1D-ND-C4D	-9.40	99.72	106.31
13	dB	824	CLA	C1D-ND-C4D	-9.40	99.72	106.31
13	cA	821	CLA	C1D-ND-C4D	-9.39	99.73	106.31
13	bA	842	CLA	C1D-ND-C4D	-9.39	99.73	106.31
12	bA	801	CL0	C1B-CHB-C4A	9.38	127.36	121.32
13	cB	818	CLA	C1D-ND-C4D	-9.38	99.73	106.31
13	aA	821	CLA	C1D-ND-C4D	-9.37	99.74	106.31
13	bA	837	CLA	C1D-ND-C4D	-9.37	99.74	106.31
13	bA	811	CLA	C1D-ND-C4D	-9.36	99.75	106.31
13	dA	837	CLA	C1D-ND-C4D	-9.35	99.75	106.31
13	aB	821	CLA	C1D-ND-C4D	-9.35	99.75	106.31
13	dA	812	CLA	C1D-ND-C4D	-9.35	99.75	106.31
13	cA	807	CLA	C1D-ND-C4D	-9.35	99.75	106.31
13	aB	818	CLA	C1D-ND-C4D	-9.35	99.75	106.31
13	bB	824	CLA	C1D-ND-C4D	-9.34	99.76	106.31
13	bA	812	CLA	C1D-ND-C4D	-9.34	99.76	106.31
13	dB	805	CLA	C1D-ND-C4D	-9.34	99.76	106.31
13	dA	822	CLA	C1D-ND-C4D	-9.33	99.77	106.31
13	cB	821	CLA	C1D-ND-C4D	-9.32	99.77	106.31
13	dA	811	CLA	C1D-ND-C4D	-9.32	99.78	106.31
13	bB	805	CLA	C1D-ND-C4D	-9.30	99.78	106.31
13	aB	831	CLA	C1D-ND-C4D	-9.30	99.78	106.31
13	bA	822	CLA	C1D-ND-C4D	-9.29	99.79	106.31
13	bA	844	CLA	C1D-ND-C4D	-9.28	99.80	106.31
13	bA	809	CLA	C1D-ND-C4D	-9.27	99.81	106.31
13	aB	833	CLA	C1D-ND-C4D	-9.27	99.81	106.31
13	dA	809	CLA	C1D-ND-C4D	-9.27	99.81	106.31
13	dA	844	CLA	C1D-ND-C4D	-9.27	99.81	106.31
13	cL	204	CLA	C1D-ND-C4D	-9.25	99.82	106.31
13	bB	821	CLA	C1D-ND-C4D	-9.25	99.82	106.31
13	cB	831	CLA	C1D-ND-C4D	-9.25	99.82	106.31
13	dB	821	CLA	C1D-ND-C4D	-9.25	99.82	106.31
13	aB	815	CLA	C1D-ND-C4D	-9.24	99.83	106.31
13	cB	833	CLA	C1D-ND-C4D	-9.24	99.83	106.31
13	cA	814	CLA	C1D-ND-C4D	-9.24	99.83	106.31
13	aA	804	CLA	C1D-ND-C4D	-9.23	99.83	106.31
13	bB	812	CLA	C1D-ND-C4D	-9.23	99.84	106.31
13	aA	814	CLA	C1D-ND-C4D	-9.23	99.84	106.31
13	aL	204	CLA	C1D-ND-C4D	-9.22	99.84	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	824	CLA	C1D-ND-C4D	-9.22	99.84	106.31
13	cA	804	CLA	C1D-ND-C4D	-9.22	99.85	106.31
13	aA	839	CLA	C1D-ND-C4D	-9.22	99.85	106.31
13	dB	812	CLA	C1D-ND-C4D	-9.21	99.85	106.31
13	cA	839	CLA	C1D-ND-C4D	-9.19	99.86	106.31
13	cB	805	CLA	C1D-ND-C4D	-9.19	99.86	106.31
13	cA	824	CLA	C1D-ND-C4D	-9.19	99.86	106.31
13	cB	815	CLA	C1D-ND-C4D	-9.18	99.87	106.31
13	aB	805	CLA	C1D-ND-C4D	-9.17	99.88	106.31
13	bA	824	CLA	C1D-ND-C4D	-9.16	99.88	106.31
13	cA	809	CLA	C1D-ND-C4D	-9.15	99.89	106.31
13	aJ	101	CLA	C1D-ND-C4D	-9.15	99.89	106.31
13	aA	843	CLA	C1D-ND-C4D	-9.15	99.89	106.31
13	dA	816	CLA	C1D-ND-C4D	-9.15	99.89	106.31
13	dJ	101	CLA	C1D-ND-C4D	-9.14	99.90	106.31
13	aA	809	CLA	C1D-ND-C4D	-9.14	99.90	106.31
12	cA	801	CL0	C1B-CHB-C4A	9.14	127.20	121.32
13	bA	816	CLA	C1D-ND-C4D	-9.13	99.90	106.31
13	cA	843	CLA	C1D-ND-C4D	-9.13	99.91	106.31
12	aA	801	CL0	C1B-CHB-C4A	9.13	127.19	121.32
13	dB	814	CLA	C1D-ND-C4D	-9.13	99.91	106.31
13	dB	827	CLA	C1D-ND-C4D	-9.12	99.91	106.31
13	bB	814	CLA	C1D-ND-C4D	-9.12	99.91	106.31
13	bJ	101	CLA	C1D-ND-C4D	-9.12	99.91	106.31
13	dA	828	CLA	C1D-ND-C4D	-9.12	99.91	106.31
13	dB	802	CLA	C1D-ND-C4D	-9.12	99.92	106.31
13	bA	828	CLA	C1D-ND-C4D	-9.11	99.92	106.31
13	bB	813	CLA	C1D-ND-C4D	-9.11	99.92	106.31
13	dB	813	CLA	C1D-ND-C4D	-9.10	99.92	106.31
12	aA	801	CL0	O2D-CGD-CBD	9.10	120.95	110.95
13	dA	824	CLA	C1D-ND-C4D	-9.10	99.93	106.31
13	bB	802	CLA	C1D-ND-C4D	-9.10	99.93	106.31
13	cJ	101	CLA	C1D-ND-C4D	-9.09	99.93	106.31
12	cA	801	CL0	O2D-CGD-CBD	9.09	120.94	110.95
13	cB	810	CLA	C1D-ND-C4D	-9.09	99.93	106.31
13	bB	827	CLA	C1D-ND-C4D	-9.09	99.94	106.31
13	aA	837	CLA	C1D-ND-C4D	-9.09	99.94	106.31
13	aB	810	CLA	C1D-ND-C4D	-9.07	99.95	106.31
13	bB	818	CLA	C1D-ND-C4D	-9.07	99.95	106.31
13	dA	843	CLA	C1D-ND-C4D	-9.06	99.95	106.31
13	cL	202	CLA	C1D-ND-C4D	-9.06	99.96	106.31
13	aB	828	CLA	C1D-ND-C4D	-9.06	99.96	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	818	CLA	C1D-ND-C4D	-9.05	99.96	106.31
13	cA	837	CLA	C1D-ND-C4D	-9.05	99.96	106.31
13	bA	843	CLA	C1D-ND-C4D	-9.04	99.97	106.31
13	aK	203	CLA	C1D-ND-C4D	-9.04	99.97	106.31
13	dA	814	CLA	C1D-ND-C4D	-9.04	99.97	106.31
13	aB	829	CLA	C1D-ND-C4D	-9.02	99.98	106.31
13	bA	835	CLA	C1D-ND-C4D	-9.02	99.98	106.31
13	aA	829	CLA	C1D-ND-C4D	-9.02	99.98	106.31
13	cB	828	CLA	C1D-ND-C4D	-9.02	99.98	106.31
13	aL	202	CLA	C1D-ND-C4D	-9.01	99.99	106.31
13	dA	835	CLA	C1D-ND-C4D	-9.01	99.99	106.31
13	aB	830	CLA	C1D-ND-C4D	-9.01	99.99	106.31
13	cK	203	CLA	C1D-ND-C4D	-9.01	99.99	106.31
13	cB	813	CLA	C1D-ND-C4D	-9.00	100.00	106.31
13	bA	814	CLA	C1D-ND-C4D	-8.99	100.00	106.31
13	cB	829	CLA	C1D-ND-C4D	-8.99	100.00	106.31
13	cA	829	CLA	C1D-ND-C4D	-8.99	100.01	106.31
13	aB	813	CLA	C1D-ND-C4D	-8.98	100.01	106.31
13	dA	807	CLA	C1D-ND-C4D	-8.98	100.01	106.31
13	dA	827	CLA	C1D-ND-C4D	-8.97	100.02	106.31
13	bA	827	CLA	C1D-ND-C4D	-8.97	100.02	106.31
13	dB	808	CLA	C1D-ND-C4D	-8.97	100.02	106.31
13	cB	830	CLA	C1D-ND-C4D	-8.96	100.03	106.31
13	dB	831	CLA	C1D-ND-C4D	-8.95	100.03	106.31
13	aK	204	CLA	C1D-ND-C4D	-8.95	100.03	106.31
13	dB	814	CLA	CMD-C2D-C1D	8.95	140.48	124.73
13	dA	806	CLA	C1D-ND-C4D	-8.94	100.04	106.31
13	bB	831	CLA	C1D-ND-C4D	-8.94	100.04	106.31
13	bA	807	CLA	C1D-ND-C4D	-8.94	100.04	106.31
13	aA	842	CLA	C1D-ND-C4D	-8.93	100.05	106.31
13	aB	832	CLA	C1D-ND-C4D	-8.93	100.05	106.31
13	bB	814	CLA	CMD-C2D-C1D	8.92	140.44	124.73
13	bB	808	CLA	C1D-ND-C4D	-8.92	100.05	106.31
13	cA	836	CLA	C1D-ND-C4D	-8.92	100.05	106.31
13	cA	842	CLA	C1D-ND-C4D	-8.92	100.05	106.31
13	cB	832	CLA	C1D-ND-C4D	-8.92	100.06	106.31
13	aA	827	CLA	C1D-ND-C4D	-8.91	100.06	106.31
13	dA	817	CLA	C1D-ND-C4D	-8.91	100.06	106.31
13	cK	204	CLA	C1D-ND-C4D	-8.91	100.06	106.31
13	bA	806	CLA	C1D-ND-C4D	-8.91	100.06	106.31
13	cA	827	CLA	C1D-ND-C4D	-8.90	100.06	106.31
13	aA	832	CLA	C1D-ND-C4D	-8.90	100.06	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	836	CLA	C1D-ND-C4D	-8.90	100.06	106.31
13	aB	812	CLA	C1D-ND-C4D	-8.90	100.06	106.31
13	aA	806	CLA	C1D-ND-C4D	-8.89	100.07	106.31
13	bA	817	CLA	C1D-ND-C4D	-8.89	100.07	106.31
13	dA	813	CLA	C1D-ND-C4D	-8.89	100.07	106.31
13	cA	813	CLA	C1D-ND-C4D	-8.88	100.08	106.31
13	cB	812	CLA	C1D-ND-C4D	-8.88	100.08	106.31
13	bA	841	CLA	C1D-ND-C4D	-8.88	100.08	106.31
13	dB	822	CLA	C1D-ND-C4D	-8.87	100.09	106.31
13	bB	819	CLA	C1D-ND-C4D	-8.86	100.10	106.31
13	bB	822	CLA	C1D-ND-C4D	-8.84	100.11	106.31
13	aA	813	CLA	C1D-ND-C4D	-8.84	100.11	106.31
13	bA	813	CLA	C1D-ND-C4D	-8.84	100.11	106.31
13	dA	841	CLA	C1D-ND-C4D	-8.84	100.11	106.31
13	cA	832	CLA	C1D-ND-C4D	-8.84	100.11	106.31
13	dB	819	CLA	C1D-ND-C4D	-8.84	100.11	106.31
13	dF	204	CLA	C1D-ND-C4D	-8.83	100.11	106.31
13	cA	806	CLA	C1D-ND-C4D	-8.83	100.12	106.31
13	dB	829	CLA	C1D-ND-C4D	-8.83	100.12	106.31
13	cB	808	CLA	C1D-ND-C4D	-8.82	100.12	106.31
13	aB	808	CLA	C1D-ND-C4D	-8.82	100.12	106.31
13	bB	829	CLA	C1D-ND-C4D	-8.82	100.12	106.31
13	cA	841	CLA	C1D-ND-C4D	-8.82	100.12	106.31
13	aA	841	CLA	C1D-ND-C4D	-8.81	100.13	106.31
13	cA	822	CLA	C1D-ND-C4D	-8.81	100.13	106.31
13	bF	204	CLA	C1D-ND-C4D	-8.80	100.14	106.31
13	bB	815	CLA	C1D-ND-C4D	-8.79	100.14	106.31
13	dA	810	CLA	C1D-ND-C4D	-8.79	100.15	106.31
13	cA	834	CLA	C1D-ND-C4D	-8.79	100.15	106.31
13	aA	834	CLA	C1D-ND-C4D	-8.78	100.15	106.31
13	aA	822	CLA	C1D-ND-C4D	-8.78	100.16	106.31
13	bA	831	CLA	C1D-ND-C4D	-8.77	100.16	106.31
13	dB	815	CLA	C1D-ND-C4D	-8.75	100.17	106.31
13	aA	835	CLA	C1D-ND-C4D	-8.75	100.18	106.31
13	aA	816	CLA	C1D-ND-C4D	-8.74	100.18	106.31
13	cA	835	CLA	C1D-ND-C4D	-8.74	100.18	106.31
13	dA	836	CLA	C1D-ND-C4D	-8.74	100.18	106.31
13	aB	824	CLA	C1D-ND-C4D	-8.74	100.18	106.31
13	cA	840	CLA	C1D-ND-C4D	-8.74	100.18	106.31
13	cA	816	CLA	C1D-ND-C4D	-8.73	100.19	106.31
13	bA	810	CLA	C1D-ND-C4D	-8.73	100.19	106.31
13	bA	836	CLA	C1D-ND-C4D	-8.73	100.19	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	825	CLA	C1D-ND-C4D	-8.72	100.19	106.31
13	dA	831	CLA	C1D-ND-C4D	-8.72	100.19	106.31
13	cB	806	CLA	C1D-ND-C4D	-8.71	100.20	106.31
13	dA	825	CLA	C1D-ND-C4D	-8.71	100.20	106.31
13	cB	824	CLA	C1D-ND-C4D	-8.71	100.20	106.31
13	cA	823	CLA	C1D-ND-C4D	-8.71	100.20	106.31
13	cA	830	CLA	C1D-ND-C4D	-8.71	100.20	106.31
13	aA	840	CLA	C1D-ND-C4D	-8.69	100.21	106.31
13	bB	830	CLA	C1D-ND-C4D	-8.69	100.22	106.31
13	aB	806	CLA	C1D-ND-C4D	-8.69	100.22	106.31
13	cB	811	CLA	C1D-ND-C4D	-8.68	100.22	106.31
13	aA	823	CLA	C1D-ND-C4D	-8.68	100.22	106.31
13	aB	824	CLA	CMD-C2D-C1D	8.67	140.00	124.73
13	aA	830	CLA	C1D-ND-C4D	-8.67	100.23	106.31
13	cB	824	CLA	CMD-C2D-C1D	8.66	139.99	124.73
13	aB	811	CLA	C1D-ND-C4D	-8.65	100.24	106.31
13	dA	844	CLA	O2D-CGD-CBD	8.65	126.35	111.23
13	cA	825	CLA	C1D-ND-C4D	-8.64	100.25	106.31
13	bA	844	CLA	O2D-CGD-CBD	8.64	126.34	111.23
13	aA	825	CLA	C1D-ND-C4D	-8.64	100.25	106.31
13	dA	840	CLA	C1D-ND-C4D	-8.62	100.26	106.31
13	aB	819	CLA	C1D-ND-C4D	-8.62	100.26	106.31
13	dB	830	CLA	C1D-ND-C4D	-8.62	100.27	106.31
13	aA	833	CLA	C1D-ND-C4D	-8.62	100.27	106.31
13	cA	833	CLA	C1D-ND-C4D	-8.62	100.27	106.31
13	cB	819	CLA	C1D-ND-C4D	-8.61	100.27	106.31
13	dB	820	CLA	C1D-ND-C4D	-8.61	100.27	106.31
13	cA	810	CLA	C1D-ND-C4D	-8.61	100.27	106.31
13	bA	840	CLA	C1D-ND-C4D	-8.59	100.28	106.31
13	aB	822	CLA	C1D-ND-C4D	-8.58	100.29	106.31
13	cB	822	CLA	C1D-ND-C4D	-8.58	100.29	106.31
13	cA	831	CLA	C1D-ND-C4D	-8.58	100.30	106.31
13	aA	810	CLA	C1D-ND-C4D	-8.57	100.30	106.31
13	aB	804	CLA	C1D-ND-C4D	-8.56	100.30	106.31
13	cF	204	CLA	C1D-ND-C4D	-8.56	100.30	106.31
13	aB	812	CLA	CMD-C2D-C1D	8.56	139.80	124.73
13	cB	812	CLA	CMD-C2D-C1D	8.55	139.79	124.73
13	aA	831	CLA	C1D-ND-C4D	-8.55	100.31	106.31
13	bA	833	CLA	C1D-ND-C4D	-8.55	100.31	106.31
13	aF	204	CLA	C1D-ND-C4D	-8.54	100.32	106.31
13	bB	820	CLA	C1D-ND-C4D	-8.54	100.32	106.31
13	dA	833	CLA	C1D-ND-C4D	-8.51	100.34	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	804	CLA	C1D-ND-C4D	-8.51	100.34	106.31
13	bB	823	CLA	C1D-ND-C4D	-8.49	100.35	106.31
13	aA	828	CLA	C1D-ND-C4D	-8.48	100.36	106.31
13	dB	823	CLA	C1D-ND-C4D	-8.46	100.38	106.31
13	cB	816	CLA	C1D-ND-C4D	-8.44	100.39	106.31
13	cF	201	CLA	C1D-ND-C4D	-8.44	100.39	106.31
13	cA	828	CLA	C1D-ND-C4D	-8.44	100.39	106.31
13	aF	201	CLA	C1D-ND-C4D	-8.43	100.40	106.31
13	aK	201	CLA	C1D-ND-C4D	-8.42	100.41	106.31
13	aB	816	CLA	C1D-ND-C4D	-8.41	100.41	106.31
13	cK	201	CLA	C1D-ND-C4D	-8.38	100.44	106.31
13	dA	815	CLA	C1D-ND-C4D	-8.31	100.48	106.31
13	dB	832	CLA	C1D-ND-C4D	-8.31	100.48	106.31
13	bA	815	CLA	C1D-ND-C4D	-8.31	100.48	106.31
13	dA	832	CLA	C1D-ND-C4D	-8.29	100.49	106.31
13	bB	804	CLA	C1D-ND-C4D	-8.29	100.50	106.31
13	bA	832	CLA	C1D-ND-C4D	-8.28	100.50	106.31
13	cB	834	CLA	C1D-ND-C4D	-8.28	100.50	106.31
13	aB	801	CLA	C1D-ND-C4D	-8.28	100.50	106.31
13	aB	834	CLA	C1D-ND-C4D	-8.28	100.50	106.31
13	bB	832	CLA	C1D-ND-C4D	-8.28	100.50	106.31
13	dA	838	CLA	CMD-C2D-C1D	8.28	139.31	124.73
13	bB	807	CLA	C1D-ND-C4D	-8.27	100.51	106.31
13	dB	804	CLA	C1D-ND-C4D	-8.26	100.51	106.31
13	cA	815	CLA	C1D-ND-C4D	-8.26	100.51	106.31
13	aA	815	CLA	C1D-ND-C4D	-8.26	100.52	106.31
13	bA	838	CLA	CMD-C2D-C1D	8.25	139.26	124.73
13	bB	803	CLA	C1D-ND-C4D	-8.25	100.52	106.31
13	bA	839	CLA	C1D-ND-C4D	-8.25	100.53	106.31
13	dB	807	CLA	C1D-ND-C4D	-8.24	100.53	106.31
13	dB	803	CLA	C1D-ND-C4D	-8.21	100.55	106.31
13	aB	807	CLA	C1D-ND-C4D	-8.20	100.56	106.31
13	dA	839	CLA	C1D-ND-C4D	-8.20	100.56	106.31
13	cB	801	CLA	C1D-ND-C4D	-8.20	100.56	106.31
13	cA	803	CLA	C1D-ND-C4D	-8.18	100.57	106.31
13	cB	807	CLA	C1D-ND-C4D	-8.18	100.57	106.31
13	bA	826	CLA	C1D-ND-C4D	-8.15	100.59	106.31
13	bA	829	CLA	C1D-ND-C4D	-8.15	100.59	106.31
13	aA	803	CLA	C1D-ND-C4D	-8.15	100.60	106.31
13	dA	826	CLA	C1D-ND-C4D	-8.14	100.60	106.31
13	dA	829	CLA	C1D-ND-C4D	-8.13	100.61	106.31
13	bA	803	CLA	C1D-ND-C4D	-8.01	100.69	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	803	CLA	C1D-ND-C4D	-8.01	100.69	106.31
13	cA	820	CLA	C1D-ND-C4D	-7.98	100.72	106.31
13	bA	821	CLA	C1D-ND-C4D	-7.97	100.72	106.31
13	aA	820	CLA	C1D-ND-C4D	-7.94	100.74	106.31
13	dA	821	CLA	C1D-ND-C4D	-7.92	100.75	106.31
13	cA	838	CLA	C1D-ND-C4D	-7.88	100.79	106.31
13	aA	838	CLA	C1D-ND-C4D	-7.87	100.79	106.31
13	aA	819	CLA	C1D-ND-C4D	-7.80	100.84	106.31
13	bA	834	CLA	C1D-ND-C4D	-7.78	100.85	106.31
13	bA	802	CLA	C1D-ND-C4D	-7.78	100.86	106.31
13	bB	811	CLA	C1D-ND-C4D	-7.77	100.86	106.31
13	dA	834	CLA	C1D-ND-C4D	-7.76	100.87	106.31
13	cA	819	CLA	C1D-ND-C4D	-7.75	100.87	106.31
13	aA	802	CLA	C1D-ND-C4D	-7.74	100.88	106.31
13	dA	802	CLA	C1D-ND-C4D	-7.73	100.89	106.31
13	dB	811	CLA	C1D-ND-C4D	-7.70	100.91	106.31
13	dB	816	CLA	CMD-C2D-C1D	7.69	138.27	124.73
13	cA	802	CLA	C1D-ND-C4D	-7.69	100.92	106.31
13	bB	816	CLA	CMD-C2D-C1D	7.67	138.24	124.73
13	dA	805	CLA	CMD-C2D-C1D	7.67	138.23	124.73
13	bA	805	CLA	CMD-C2D-C1D	7.65	138.20	124.73
13	bA	820	CLA	C1D-ND-C4D	-7.59	100.98	106.31
13	bA	819	CLA	C1D-ND-C4D	-7.57	101.00	106.31
13	dA	819	CLA	C1D-ND-C4D	-7.57	101.00	106.31
13	dA	830	CLA	C1D-ND-C4D	-7.56	101.01	106.31
13	bA	830	CLA	C1D-ND-C4D	-7.55	101.01	106.31
13	dA	820	CLA	C1D-ND-C4D	-7.55	101.02	106.31
13	aB	815	CLA	CMD-C2D-C1D	7.52	137.97	124.73
13	cB	815	CLA	CMD-C2D-C1D	7.51	137.95	124.73
13	cA	808	CLA	CMD-C2D-C1D	7.50	137.93	124.73
13	aA	808	CLA	CMD-C2D-C1D	7.49	137.92	124.73
13	bB	811	CLA	CMD-C2D-C1D	7.49	137.92	124.73
13	dB	831	CLA	CMD-C2D-C1D	7.49	137.92	124.73
13	dB	811	CLA	CMD-C2D-C1D	7.48	137.90	124.73
13	bB	831	CLA	CMD-C2D-C1D	7.47	137.88	124.73
13	dA	812	CLA	CMD-C2D-C1D	7.47	137.88	124.73
13	bA	812	CLA	CMD-C2D-C1D	7.45	137.85	124.73
13	aB	820	CLA	CMD-C2D-C1D	7.44	137.83	124.73
13	bB	806	CLA	CMD-C2D-C1D	7.44	137.82	124.73
13	dB	806	CLA	CMD-C2D-C1D	7.43	137.81	124.73
13	cB	820	CLA	CMD-C2D-C1D	7.43	137.81	124.73
13	aB	806	CLA	CMD-C2D-C1D	7.39	137.74	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	806	CLA	CMD-C2D-C1D	7.37	137.71	124.73
13	bA	837	CLA	CMD-C2D-C1D	7.36	137.69	124.73
13	bB	819	CLA	CMD-C2D-C1D	7.36	137.69	124.73
13	dB	819	CLA	CMD-C2D-C1D	7.35	137.68	124.73
13	dA	837	CLA	CMD-C2D-C1D	7.34	137.66	124.73
13	bA	831	CLA	O2D-CGD-CBD	7.31	124.01	111.23
13	bA	838	CLA	C1D-ND-C4D	-7.31	101.19	106.31
13	bB	809	CLA	CHD-C4C-C3C	-7.30	114.13	124.77
13	dB	809	CLA	CHD-C4C-C3C	-7.29	114.14	124.77
13	dA	831	CLA	O2D-CGD-CBD	7.29	123.97	111.23
13	dA	838	CLA	C1D-ND-C4D	-7.28	101.20	106.31
13	bB	824	CLA	CMD-C2D-C1D	7.28	137.55	124.73
13	dB	824	CLA	CMD-C2D-C1D	7.27	137.53	124.73
13	cA	840	CLA	CMD-C2D-C1D	7.26	137.51	124.73
13	aA	840	CLA	CMD-C2D-C1D	7.26	137.51	124.73
13	bB	826	CLA	CMD-C2D-C1D	7.25	137.49	124.73
13	dB	826	CLA	CMD-C2D-C1D	7.24	137.48	124.73
13	aA	841	CLA	CMD-C2D-C1D	7.20	137.40	124.73
13	cA	841	CLA	CMD-C2D-C1D	7.19	137.39	124.73
13	cB	813	CLA	CMD-C2D-C1D	7.19	137.39	124.73
13	cB	807	CLA	O2D-CGD-CBD	7.18	123.79	111.23
13	bA	815	CLA	CMD-C2D-C1D	7.18	137.37	124.73
13	aA	818	CLA	C2D-C1D-ND	7.18	117.23	110.13
13	dA	810	CLA	CMD-C2D-C1D	7.18	137.37	124.73
13	dA	815	CLA	CMD-C2D-C1D	7.18	137.37	124.73
13	aB	813	CLA	CMD-C2D-C1D	7.18	137.37	124.73
13	bA	840	CLA	O2D-CGD-CBD	7.17	123.77	111.23
13	aB	807	CLA	O2D-CGD-CBD	7.17	123.76	111.23
13	aB	808	CLA	CMD-C2D-C1D	7.17	137.35	124.73
13	cA	818	CLA	C2D-C1D-ND	7.16	117.22	110.13
13	cB	821	CLA	CMD-C2D-C1D	7.15	137.32	124.73
13	bA	810	CLA	CMD-C2D-C1D	7.15	137.32	124.73
13	dA	840	CLA	O2D-CGD-CBD	7.15	123.73	111.23
13	aB	821	CLA	CMD-C2D-C1D	7.15	137.32	124.73
13	cA	838	CLA	CMD-C2D-C1D	7.15	137.31	124.73
13	cB	808	CLA	CMD-C2D-C1D	7.15	137.31	124.73
13	cA	818	CLA	CHD-C4C-C3C	-7.14	114.36	124.77
12	dA	801	CL0	C4D-ND-C1D	-7.14	99.80	105.22
13	aA	818	CLA	CHD-C4C-C3C	-7.14	114.37	124.77
13	aA	838	CLA	CMD-C2D-C1D	7.13	137.28	124.73
13	aA	834	CLA	CMD-C2D-C1D	7.12	137.27	124.73
13	cA	835	CLA	CMD-C2D-C1D	7.12	137.26	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	835	CLA	CMD-C2D-C1D	7.11	137.25	124.73
13	cA	828	CLA	CMD-C2D-C1D	7.11	137.25	124.73
13	aA	828	CLA	CMD-C2D-C1D	7.11	137.24	124.73
13	cA	834	CLA	CMD-C2D-C1D	7.10	137.23	124.73
13	aB	817	CLA	CMD-C2D-C1D	7.09	137.21	124.73
12	bA	801	CL0	C4D-ND-C1D	-7.08	99.84	105.22
13	cK	204	CLA	CMD-C2D-C1D	7.08	137.20	124.73
13	bA	828	CLA	CMD-C2D-C1D	7.08	137.20	124.73
13	aK	204	CLA	CMD-C2D-C1D	7.08	137.19	124.73
13	dA	828	CLA	CMD-C2D-C1D	7.08	137.19	124.73
13	dA	821	CLA	O2D-CGD-CBD	7.08	123.60	111.23
13	cB	817	CLA	CMD-C2D-C1D	7.07	137.19	124.73
13	dL	203	CLA	CMD-C2D-C1D	7.06	137.17	124.73
13	bA	821	CLA	O2D-CGD-CBD	7.06	123.56	111.23
13	bL	203	CLA	CMD-C2D-C1D	7.02	137.09	124.73
13	cK	201	CLA	CMD-C2D-C1D	7.01	137.07	124.73
13	aA	812	CLA	CMD-C2D-C1D	7.01	137.07	124.73
13	cA	812	CLA	CMD-C2D-C1D	7.01	137.07	124.73
13	aK	201	CLA	CMD-C2D-C1D	6.99	137.05	124.73
13	cA	805	CLA	CMD-C2D-C1D	6.99	137.04	124.73
13	aA	805	CLA	CMD-C2D-C1D	6.99	137.04	124.73
13	dB	829	CLA	CMD-C2D-C1D	6.99	137.03	124.73
13	cB	818	CLA	CMD-C2D-C1D	6.98	137.02	124.73
13	aB	818	CLA	CMD-C2D-C1D	6.97	137.00	124.73
13	cA	819	CLA	CMD-C2D-C1D	6.97	137.00	124.73
13	bB	829	CLA	CMD-C2D-C1D	6.96	136.99	124.73
13	dA	842	CLA	CMD-C2D-C1D	6.96	136.98	124.73
13	bB	825	CLA	CMD-C2D-C1D	6.95	136.97	124.73
13	aA	819	CLA	CMD-C2D-C1D	6.95	136.97	124.73
13	dB	825	CLA	CMD-C2D-C1D	6.95	136.97	124.73
13	bA	842	CLA	CMD-C2D-C1D	6.94	136.96	124.73
13	bB	827	CLA	CMD-C2D-C1D	6.94	136.95	124.73
13	dB	827	CLA	CMD-C2D-C1D	6.94	136.94	124.73
13	aB	827	CLA	CMD-C2D-C1D	6.93	136.94	124.73
13	cB	827	CLA	CMD-C2D-C1D	6.93	136.94	124.73
13	cA	807	CLA	CMD-C2D-C1D	6.92	136.91	124.73
13	bA	814	CLA	CMD-C2D-C1D	6.91	136.90	124.73
13	aA	807	CLA	CMD-C2D-C1D	6.90	136.87	124.73
13	bB	807	CLA	O2D-CGD-CBD	6.89	123.28	111.23
13	aB	819	CLA	CMD-C2D-C1D	6.89	136.86	124.73
13	dB	823	CLA	CMD-C2D-C1D	6.89	136.86	124.73
13	dA	814	CLA	CMD-C2D-C1D	6.89	136.86	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	832	CLA	C2C-C1C-NC	6.88	117.21	109.98
13	dL	202	CLA	C2D-C1D-ND	6.88	116.94	110.13
12	dA	801	CL0	CMA-C3A-C4A	-6.88	99.78	114.61
12	bA	801	CL0	CMA-C3A-C4A	-6.88	99.79	114.61
13	dB	807	CLA	O2D-CGD-CBD	6.88	123.25	111.23
13	bA	821	CLA	CMD-C2D-C1D	6.88	136.84	124.73
13	bB	823	CLA	CMD-C2D-C1D	6.87	136.83	124.73
13	dA	821	CLA	CMD-C2D-C1D	6.87	136.83	124.73
13	cB	819	CLA	CMD-C2D-C1D	6.87	136.83	124.73
13	bL	202	CLA	C2D-C1D-ND	6.87	116.92	110.13
13	aB	834	CLA	C2C-C1C-NC	6.87	117.19	109.98
13	cK	203	CLA	CMD-C2D-C1D	6.86	136.81	124.73
13	cB	834	CLA	C2C-C1C-NC	6.86	117.19	109.98
13	aK	203	CLA	CMD-C2D-C1D	6.86	136.80	124.73
13	bA	817	CLA	CMD-C2D-C1D	6.86	136.80	124.73
13	bB	807	CLA	CMD-C2D-C1D	6.85	136.80	124.73
13	cA	842	CLA	CMD-C2D-C1D	6.85	136.79	124.73
13	dB	807	CLA	CMD-C2D-C1D	6.85	136.79	124.73
13	aA	831	CLA	O2D-CGD-CBD	6.85	123.20	111.23
13	cB	833	CLA	CMD-C2D-C1D	6.85	136.78	124.73
13	bB	832	CLA	C2C-C1C-NC	6.85	117.17	109.98
13	aA	842	CLA	CMD-C2D-C1D	6.84	136.78	124.73
13	cA	831	CLA	O2D-CGD-CBD	6.84	123.19	111.23
13	aB	833	CLA	CMD-C2D-C1D	6.84	136.77	124.73
13	dA	817	CLA	CMD-C2D-C1D	6.84	136.77	124.73
13	dB	818	CLA	CMD-C2D-C1D	6.81	136.73	124.73
13	aA	837	CLA	CMD-C2D-C1D	6.81	136.73	124.73
13	aB	829	CLA	CMD-C2D-C1D	6.81	136.72	124.73
13	cA	809	CLA	CMD-C2D-C1D	6.81	136.72	124.73
13	cA	822	CLA	CMD-C2D-C1D	6.81	136.72	124.73
13	bA	843	CLA	CMD-C2D-C1D	6.80	136.71	124.73
13	cA	837	CLA	CMD-C2D-C1D	6.80	136.71	124.73
13	cA	806	CLA	CMD-C2D-C1D	6.80	136.71	124.73
13	cB	829	CLA	CMD-C2D-C1D	6.80	136.71	124.73
13	aB	832	CLA	CMD-C2D-C1D	6.80	136.70	124.73
13	dA	843	CLA	CMD-C2D-C1D	6.80	136.70	124.73
13	aA	806	CLA	CMD-C2D-C1D	6.80	136.70	124.73
13	cB	832	CLA	CMD-C2D-C1D	6.80	136.70	124.73
13	aA	809	CLA	CMD-C2D-C1D	6.79	136.69	124.73
13	bB	818	CLA	CMD-C2D-C1D	6.79	136.68	124.73
13	dF	204	CLA	CMD-C2D-C1D	6.78	136.67	124.73
13	aA	822	CLA	CMD-C2D-C1D	6.78	136.67	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	844	CLA	CMD-C2D-C1D	6.78	136.67	124.73
13	aF	201	CLA	CMD-C2D-C1D	6.78	136.67	124.73
13	cA	814	CLA	CMD-C2D-C1D	6.78	136.67	124.73
13	dA	844	CLA	CMD-C2D-C1D	6.78	136.67	124.73
13	aA	814	CLA	CMD-C2D-C1D	6.78	136.66	124.73
13	bJ	101	CLA	CMD-C2D-C1D	6.78	136.66	124.73
13	aA	804	CLA	CMD-C2D-C1D	6.77	136.66	124.73
13	cF	204	CLA	CMD-C2D-C1D	6.77	136.65	124.73
13	cF	201	CLA	CMD-C2D-C1D	6.77	136.64	124.73
13	dA	828	CLA	O2D-CGD-CBD	6.77	123.06	111.23
13	dJ	101	CLA	CMD-C2D-C1D	6.76	136.64	124.73
13	cA	804	CLA	CMD-C2D-C1D	6.76	136.63	124.73
13	dB	823	CLA	O2D-CGD-CBD	6.76	123.04	111.23
13	cA	840	CLA	O2D-CGD-CBD	6.76	123.04	111.23
13	aF	204	CLA	CMD-C2D-C1D	6.75	136.62	124.73
13	aJ	101	CLA	CMD-C2D-C1D	6.75	136.62	124.73
13	cA	835	CLA	O2D-CGD-CBD	6.75	123.04	111.23
13	bA	828	CLA	O2D-CGD-CBD	6.75	123.03	111.23
13	bF	204	CLA	CMD-C2D-C1D	6.75	136.61	124.73
13	dA	804	CLA	CMD-C2D-C1D	6.75	136.61	124.73
13	bB	823	CLA	O2D-CGD-CBD	6.75	123.03	111.23
13	dB	821	CLA	CMD-C2D-C1D	6.75	136.61	124.73
13	dA	835	CLA	CMD-C2D-C1D	6.75	136.61	124.73
13	aA	840	CLA	O2D-CGD-CBD	6.75	123.02	111.23
13	cJ	101	CLA	CMD-C2D-C1D	6.74	136.60	124.73
13	bB	821	CLA	CMD-C2D-C1D	6.74	136.59	124.73
13	cL	202	CLA	CMD-C2D-C1D	6.74	136.59	124.73
13	aL	202	CLA	CMD-C2D-C1D	6.74	136.59	124.73
13	bA	835	CLA	CMD-C2D-C1D	6.74	136.59	124.73
13	bA	804	CLA	CMD-C2D-C1D	6.73	136.59	124.73
13	aA	835	CLA	O2D-CGD-CBD	6.73	123.00	111.23
13	cA	825	CLA	CMD-C2D-C1D	6.73	136.58	124.73
13	aB	821	CLA	CHD-C4C-C3C	-6.72	114.98	124.77
13	bB	805	CLA	CMD-C2D-C1D	6.71	136.55	124.73
13	dB	805	CLA	CMD-C2D-C1D	6.71	136.54	124.73
13	aA	825	CLA	CMD-C2D-C1D	6.71	136.54	124.73
13	cA	829	CLA	CHD-C4C-C3C	-6.70	115.01	124.77
13	dA	828	CLA	CHD-C4C-C3C	-6.70	115.01	124.77
13	aB	809	CLA	CMD-C2D-C1D	6.69	136.51	124.73
13	aA	829	CLA	CHD-C4C-C3C	-6.69	115.02	124.77
13	dA	827	CLA	CMD-C2D-C1D	6.69	136.51	124.73
13	cB	821	CLA	CHD-C4C-C3C	-6.68	115.03	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	828	CLA	CHD-C4C-C3C	-6.68	115.03	124.77
13	bA	827	CLA	CMD-C2D-C1D	6.68	136.49	124.73
13	cB	809	CLA	CMD-C2D-C1D	6.67	136.47	124.73
13	cA	815	CLA	CMD-C2D-C1D	6.67	136.47	124.73
13	dA	833	CLA	CMD-C2D-C1D	6.67	136.47	124.73
13	aA	815	CLA	CMD-C2D-C1D	6.66	136.47	124.73
13	aA	817	CLA	CMD-C2D-C1D	6.66	136.46	124.73
13	cA	817	CLA	CMD-C2D-C1D	6.66	136.46	124.73
13	bA	833	CLA	CMD-C2D-C1D	6.65	136.45	124.73
13	cB	814	CLA	CMD-C2D-C1D	6.64	136.42	124.73
13	aB	814	CLA	CMD-C2D-C1D	6.63	136.41	124.73
13	cA	832	CLA	CMD-C2D-C1D	6.63	136.40	124.73
13	aA	832	CLA	CMD-C2D-C1D	6.63	136.40	124.73
13	bB	829	CLA	CHD-C4C-C3C	-6.62	115.11	124.77
13	cB	826	CLA	CMD-C2D-C1D	6.62	136.39	124.73
13	bA	811	CLA	CMD-C2D-C1D	6.62	136.38	124.73
13	dA	811	CLA	CMD-C2D-C1D	6.62	136.38	124.73
13	bA	809	CLA	C2D-C1D-ND	6.61	116.67	110.13
13	bB	809	CLA	CMD-C2D-C1D	6.61	136.37	124.73
13	dB	809	CLA	CMD-C2D-C1D	6.61	136.36	124.73
13	cA	837	CLA	O2D-CGD-CBD	6.61	122.78	111.23
13	dB	829	CLA	CHD-C4C-C3C	-6.60	115.15	124.77
13	aA	837	CLA	O2D-CGD-CBD	6.60	122.77	111.23
13	cB	814	CLA	C2D-C1D-ND	6.60	116.66	110.13
13	aB	826	CLA	CMD-C2D-C1D	6.59	136.34	124.73
13	aK	201	CLA	C4A-NA-C1A	-6.59	103.67	106.68
13	bA	839	CLA	CMD-C2D-C1D	6.59	136.34	124.73
13	aB	814	CLA	C2D-C1D-ND	6.58	116.64	110.13
13	bB	825	CLA	C2D-C1D-ND	6.58	116.64	110.13
13	dA	809	CLA	C2D-C1D-ND	6.58	116.64	110.13
13	dB	822	CLA	CMD-C2D-C1D	6.58	136.31	124.73
13	bB	822	CLA	CMD-C2D-C1D	6.58	136.31	124.73
13	dA	839	CLA	CMD-C2D-C1D	6.57	136.30	124.73
13	dA	823	CLA	C2D-C1D-ND	6.56	116.62	110.13
13	dA	808	CLA	CMD-C2D-C1D	6.56	136.28	124.73
13	bA	823	CLA	C2D-C1D-ND	6.56	116.62	110.13
13	bA	808	CLA	CMD-C2D-C1D	6.56	136.28	124.73
13	dA	840	CLA	CMD-C2D-C1D	6.56	136.28	124.73
13	cK	201	CLA	C4A-NA-C1A	-6.55	103.69	106.68
13	bA	840	CLA	CMD-C2D-C1D	6.55	136.26	124.73
13	bA	834	CLA	CMD-C2D-C1D	6.55	136.26	124.73
13	aL	204	CLA	CMD-C2D-C1D	6.55	136.26	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	818	CLA	C2D-C1D-ND	6.55	116.61	110.13
13	cB	807	CLA	CMD-C2D-C1D	6.55	136.25	124.73
13	aB	807	CLA	CMD-C2D-C1D	6.54	136.25	124.73
13	cB	825	CLA	CMD-C2D-C1D	6.54	136.25	124.73
13	cB	831	CLA	CMD-C2D-C1D	6.54	136.25	124.73
13	dA	834	CLA	CMD-C2D-C1D	6.54	136.25	124.73
13	dB	825	CLA	C2D-C1D-ND	6.54	116.60	110.13
13	dA	814	CLA	CHD-C4C-C3C	-6.53	115.25	124.77
13	aB	810	CLA	CMD-C2D-C1D	6.53	136.23	124.73
13	aB	825	CLA	CMD-C2D-C1D	6.53	136.23	124.73
13	cL	204	CLA	CMD-C2D-C1D	6.53	136.23	124.73
13	aA	816	CLA	CMD-C2D-C1D	6.53	136.23	124.73
13	aA	827	CLA	CMD-C2D-C1D	6.53	136.23	124.73
13	bA	814	CLA	CHD-C4C-C3C	-6.53	115.25	124.77
13	cA	827	CLA	CMD-C2D-C1D	6.53	136.22	124.73
13	cB	810	CLA	CMD-C2D-C1D	6.52	136.22	124.73
13	dB	820	CLA	CMD-C2D-C1D	6.52	136.22	124.73
13	aB	831	CLA	CMD-C2D-C1D	6.52	136.21	124.73
13	dB	817	CLA	C2D-C1D-ND	6.52	116.58	110.13
13	cA	816	CLA	CMD-C2D-C1D	6.52	136.21	124.73
13	cB	828	CLA	CMD-C2D-C1D	6.52	136.21	124.73
13	cB	804	CLA	CHD-C4C-C3C	-6.52	115.27	124.77
13	bB	832	CLA	CMD-C2D-C1D	6.52	136.21	124.73
13	cB	822	CLA	CMD-C2D-C1D	6.52	136.21	124.73
13	bA	839	CLA	O2D-CGD-CBD	6.52	122.62	111.23
13	aB	828	CLA	CMD-C2D-C1D	6.52	136.20	124.73
13	cA	843	CLA	CMD-C2D-C1D	6.51	136.20	124.73
13	aB	822	CLA	CMD-C2D-C1D	6.51	136.20	124.73
13	aK	203	CLA	O2D-CGD-CBD	6.51	122.62	111.23
13	dA	839	CLA	O2D-CGD-CBD	6.51	122.61	111.23
13	cK	203	CLA	O2D-CGD-CBD	6.51	122.61	111.23
13	bB	817	CLA	C2D-C1D-ND	6.51	116.57	110.13
13	aB	804	CLA	C2D-C1D-ND	6.51	116.57	110.13
13	cA	820	CLA	CMD-C2D-C1D	6.51	136.19	124.73
13	dB	832	CLA	CMD-C2D-C1D	6.51	136.19	124.73
13	bB	820	CLA	CMD-C2D-C1D	6.50	136.18	124.73
13	bA	818	CLA	C2D-C1D-ND	6.50	116.56	110.13
13	aL	203	CLA	C2D-C1D-ND	6.50	116.56	110.13
13	aB	804	CLA	CHD-C4C-C3C	-6.50	115.29	124.77
13	cB	803	CLA	CHD-C4C-C3C	-6.50	115.29	124.77
13	aB	803	CLA	CHD-C4C-C3C	-6.50	115.30	124.77
13	cB	804	CLA	C2D-C1D-ND	6.49	116.55	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	843	CLA	CMD-C2D-C1D	6.49	136.16	124.73
13	aA	820	CLA	CMD-C2D-C1D	6.49	136.16	124.73
13	bA	807	CLA	CMD-C2D-C1D	6.49	136.15	124.73
13	dA	807	CLA	CMD-C2D-C1D	6.48	136.15	124.73
13	cA	836	CLA	CMD-C2D-C1D	6.48	136.15	124.73
13	cA	811	CLA	C2D-C1D-ND	6.48	116.54	110.13
13	aA	836	CLA	CMD-C2D-C1D	6.48	136.14	124.73
13	aB	816	CLA	CMD-C2D-C1D	6.48	136.13	124.73
13	cB	816	CLA	CMD-C2D-C1D	6.48	136.13	124.73
13	bA	816	CLA	CMD-C2D-C1D	6.48	136.13	124.73
13	cB	803	CLA	CMD-C2D-C1D	6.47	136.13	124.73
13	dA	816	CLA	CMD-C2D-C1D	6.47	136.12	124.73
13	aB	803	CLA	CMD-C2D-C1D	6.46	136.11	124.73
13	dA	844	CLA	C2D-C1D-ND	6.46	116.52	110.13
13	dL	203	CLA	C2D-C1D-ND	6.46	116.52	110.13
13	cL	203	CLA	C2D-C1D-ND	6.46	116.52	110.13
13	dB	810	CLA	CMD-C2D-C1D	6.46	136.10	124.73
13	dA	818	CLA	CMD-C2D-C1D	6.46	136.10	124.73
13	bA	844	CLA	C2D-C1D-ND	6.46	116.52	110.13
13	cA	811	CLA	CMD-C2D-C1D	6.46	136.10	124.73
13	bA	818	CLA	CMD-C2D-C1D	6.45	136.09	124.73
13	aB	814	CLA	O2D-CGD-CBD	6.45	122.50	111.23
13	cA	815	CLA	C2B-C1B-NB	6.45	117.01	110.33
13	cB	814	CLA	O2D-CGD-CBD	6.44	122.50	111.23
13	cB	831	CLA	CHD-C4C-C3C	-6.44	115.38	124.77
13	aA	811	CLA	CMD-C2D-C1D	6.44	136.07	124.73
13	bB	810	CLA	CMD-C2D-C1D	6.44	136.07	124.73
13	aA	811	CLA	C2D-C1D-ND	6.44	116.50	110.13
13	dB	802	CLA	CMD-C2D-C1D	6.44	136.06	124.73
13	aA	815	CLA	C2B-C1B-NB	6.43	117.00	110.33
13	aB	831	CLA	CHD-C4C-C3C	-6.43	115.39	124.77
13	cB	805	CLA	C2D-C1D-ND	6.43	116.49	110.13
13	dA	822	CLA	CMD-C2D-C1D	6.43	136.05	124.73
13	dA	841	CLA	CMD-C2D-C1D	6.43	136.04	124.73
13	bL	203	CLA	C2D-C1D-ND	6.43	116.48	110.13
13	bA	841	CLA	CMD-C2D-C1D	6.42	136.04	124.73
13	bB	802	CLA	CMD-C2D-C1D	6.42	136.04	124.73
13	bA	838	CLA	O2D-CGD-CBD	6.42	122.45	111.23
13	aB	805	CLA	C2D-C1D-ND	6.42	116.47	110.13
13	dA	838	CLA	O2D-CGD-CBD	6.41	122.44	111.23
13	cB	826	CLA	C2D-C1D-ND	6.41	116.47	110.13
13	bA	822	CLA	CMD-C2D-C1D	6.41	136.01	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	834	CLA	O2D-CGD-CBD	6.40	122.43	111.23
13	dA	802	CLA	O2D-CGD-CBD	6.40	122.42	111.23
13	bA	807	CLA	O2D-CGD-CBD	6.40	122.41	111.23
13	dA	809	CLA	O2D-CGD-CBD	6.39	122.41	111.23
13	dA	807	CLA	O2D-CGD-CBD	6.39	122.40	111.23
13	bA	809	CLA	O2D-CGD-CBD	6.39	122.40	111.23
13	bA	802	CLA	O2D-CGD-CBD	6.39	122.40	111.23
13	aA	833	CLA	CMD-C2D-C1D	6.38	135.97	124.73
13	cB	825	CLA	C2D-C1D-ND	6.38	116.44	110.13
13	aB	834	CLA	O2D-CGD-CBD	6.38	122.38	111.23
13	cA	814	CLA	C2D-C1D-ND	6.38	116.44	110.13
13	aA	829	CLA	CMD-C2D-C1D	6.38	135.96	124.73
13	dF	201	CLA	CMD-C2D-C1D	6.37	135.95	124.73
13	dB	803	CLA	CHD-C4C-C3C	-6.37	115.48	124.77
13	cA	833	CLA	CMD-C2D-C1D	6.37	135.94	124.73
13	aA	814	CLA	C2D-C1D-ND	6.37	116.43	110.13
13	cA	829	CLA	CMD-C2D-C1D	6.37	135.94	124.73
13	aB	826	CLA	C2D-C1D-ND	6.36	116.42	110.13
13	aB	825	CLA	C2D-C1D-ND	6.36	116.42	110.13
13	bF	201	CLA	CMD-C2D-C1D	6.35	135.92	124.73
13	bB	803	CLA	CHD-C4C-C3C	-6.35	115.51	124.77
13	cB	817	CLA	O2D-CGD-CBD	6.35	122.33	111.23
13	aA	802	CLA	O2D-CGD-CBD	6.34	122.32	111.23
13	bB	809	CLA	C2D-C1D-ND	6.34	116.40	110.13
13	dB	809	CLA	C2D-C1D-ND	6.34	116.40	110.13
13	aB	817	CLA	O2D-CGD-CBD	6.33	122.30	111.23
13	dA	808	CLA	C2D-C1D-ND	6.33	116.39	110.13
13	cA	802	CLA	O2D-CGD-CBD	6.33	122.29	111.23
13	bA	808	CLA	C2D-C1D-ND	6.33	116.39	110.13
13	cA	824	CLA	CMD-C2D-C1D	6.32	135.87	124.73
12	aA	801	CL0	C4D-ND-C1D	-6.32	100.42	105.22
13	aA	803	CLA	C2B-C1B-NB	6.32	116.88	110.33
13	aB	811	CLA	CMD-C2D-C1D	6.32	135.86	124.73
13	cA	803	CLA	C2B-C1B-NB	6.32	116.88	110.33
13	dB	825	CLA	O2D-CGD-CBD	6.32	122.28	111.23
13	bB	821	CLA	C2D-C1D-ND	6.32	116.38	110.13
13	bB	825	CLA	O2D-CGD-CBD	6.32	122.27	111.23
13	aA	824	CLA	CMD-C2D-C1D	6.31	135.85	124.73
13	cB	811	CLA	CMD-C2D-C1D	6.31	135.84	124.73
13	dB	821	CLA	C2D-C1D-ND	6.31	116.37	110.13
13	dA	830	CLA	C2B-C1B-NB	6.31	116.87	110.33
13	bA	814	CLA	C2D-C1D-ND	6.31	116.37	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	821	CLA	C2D-C1D-ND	6.30	116.36	110.13
13	dA	814	CLA	C2D-C1D-ND	6.29	116.36	110.13
13	bA	830	CLA	C2B-C1B-NB	6.29	116.85	110.33
13	aB	821	CLA	C2D-C1D-ND	6.29	116.35	110.13
13	bB	828	CLA	C2D-C1D-ND	6.28	116.34	110.13
13	dB	828	CLA	C2D-C1D-ND	6.27	116.33	110.13
13	aA	839	CLA	CMD-C2D-C1D	6.27	135.76	124.73
12	cA	801	CL0	C4D-ND-C1D	-6.27	100.46	105.22
13	bB	803	CLA	C4A-NA-C1A	-6.26	103.82	106.68
13	dB	824	CLA	CAA-C2A-C3A	-6.26	96.09	113.00
13	dB	810	CLA	C2D-C1D-ND	6.26	116.32	110.13
13	bB	824	CLA	CAA-C2A-C3A	-6.26	96.09	113.00
13	aB	824	CLA	O2D-CGD-CBD	6.26	122.17	111.23
13	cA	839	CLA	CMD-C2D-C1D	6.25	135.74	124.73
13	aB	808	CLA	O2D-CGD-CBD	6.25	122.16	111.23
13	cB	808	CLA	O2D-CGD-CBD	6.25	122.16	111.23
13	aB	823	CLA	C2D-C1D-ND	6.25	116.31	110.13
13	cB	823	CLA	C2D-C1D-ND	6.25	116.31	110.13
13	bL	203	CLA	CHD-C4C-C3C	-6.24	115.67	124.77
13	cB	806	CLA	CHD-C4C-C3C	-6.24	115.67	124.77
13	cA	839	CLA	O2D-CGD-CBD	6.24	122.14	111.23
13	cB	824	CLA	O2D-CGD-CBD	6.24	122.13	111.23
13	dL	203	CLA	CHD-C4C-C3C	-6.24	115.68	124.77
13	aB	806	CLA	CHD-C4C-C3C	-6.24	115.68	124.77
13	aA	839	CLA	O2D-CGD-CBD	6.24	122.13	111.23
13	bB	810	CLA	C2D-C1D-ND	6.23	116.30	110.13
13	aB	820	CLA	C2B-C1B-NB	6.23	116.79	110.33
13	bB	810	CLA	CHD-C4C-C3C	-6.22	115.70	124.77
13	dB	810	CLA	CHD-C4C-C3C	-6.22	115.70	124.77
13	cB	820	CLA	C2B-C1B-NB	6.21	116.76	110.33
13	cA	809	CLA	C2D-C1D-ND	6.20	116.27	110.13
13	dL	202	CLA	CHD-C4C-C3C	-6.20	115.74	124.77
13	aA	837	CLA	C2D-C1D-ND	6.20	116.26	110.13
13	bL	202	CLA	CHD-C4C-C3C	-6.20	115.74	124.77
13	cA	826	CLA	CHD-C4C-C3C	-6.19	115.74	124.77
13	bB	817	CLA	CMD-C2D-C1D	6.19	135.63	124.73
13	dB	817	CLA	CMD-C2D-C1D	6.19	135.63	124.73
13	cA	837	CLA	C2D-C1D-ND	6.19	116.25	110.13
13	aA	826	CLA	CHD-C4C-C3C	-6.19	115.75	124.77
13	dA	836	CLA	O2D-CGD-CBD	6.18	122.04	111.23
13	dB	803	CLA	C4A-NA-C1A	-6.18	103.86	106.68
13	aA	809	CLA	C2D-C1D-ND	6.18	116.24	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	825	CLA	O2D-CGD-CBD	6.18	122.03	111.23
13	dA	805	CLA	C2D-C1D-ND	6.18	116.24	110.13
13	aA	815	CLA	O2D-CGD-CBD	6.18	122.03	111.23
13	bA	825	CLA	O2D-CGD-CBD	6.17	122.02	111.23
13	cA	823	CLA	C2D-C1D-ND	6.17	116.23	110.13
13	aA	813	CLA	CMD-C2D-C1D	6.17	135.60	124.73
13	bA	805	CLA	C2D-C1D-ND	6.16	116.23	110.13
13	aA	823	CLA	C2D-C1D-ND	6.16	116.22	110.13
13	cA	815	CLA	O2D-CGD-CBD	6.16	122.00	111.23
13	bA	836	CLA	O2D-CGD-CBD	6.16	122.00	111.23
13	dA	833	CLA	O2D-CGD-CBD	6.16	121.99	111.23
13	dA	842	CLA	C2D-C1D-ND	6.16	116.22	110.13
13	dA	802	CLA	C4A-NA-C1A	-6.15	103.87	106.68
13	cA	814	CLA	CHD-C4C-C3C	-6.15	115.80	124.77
13	bA	802	CLA	C4A-NA-C1A	-6.15	103.87	106.68
13	cA	805	CLA	C2D-C1D-ND	6.15	116.21	110.13
13	aA	805	CLA	C2D-C1D-ND	6.15	116.21	110.13
13	bA	833	CLA	O2D-CGD-CBD	6.15	121.98	111.23
13	cA	813	CLA	CMD-C2D-C1D	6.15	135.55	124.73
13	aA	814	CLA	CHD-C4C-C3C	-6.15	115.81	124.77
13	cA	805	CLA	CHD-C4C-C3C	-6.14	115.82	124.77
13	aA	830	CLA	CHD-C4C-C3C	-6.14	115.83	124.77
13	aB	808	CLA	CHD-C4C-C3C	-6.14	115.83	124.77
13	dB	812	CLA	O2D-CGD-CBD	6.13	121.95	111.23
13	cA	821	CLA	CMD-C2D-C1D	6.13	135.53	124.73
13	dA	804	CLA	C2D-C1D-ND	6.13	116.19	110.13
13	bB	828	CLA	CMD-C2D-C1D	6.13	135.52	124.73
13	dB	803	CLA	O2D-CGD-CBD	6.13	121.94	111.23
13	cA	802	CLA	C4A-NA-C1A	-6.13	103.88	106.68
13	bA	804	CLA	C2D-C1D-ND	6.13	116.19	110.13
13	cB	808	CLA	CHD-C4C-C3C	-6.13	115.84	124.77
13	cB	834	CLA	CMD-C2D-C1D	6.12	135.50	124.73
13	aB	834	CLA	CMD-C2D-C1D	6.12	135.50	124.73
13	aA	805	CLA	CHD-C4C-C3C	-6.12	115.85	124.77
13	aA	821	CLA	CMD-C2D-C1D	6.12	135.50	124.73
13	bB	812	CLA	O2D-CGD-CBD	6.12	121.92	111.23
13	bB	803	CLA	O2D-CGD-CBD	6.12	121.92	111.23
13	dB	805	CLA	C2D-C1D-ND	6.12	116.18	110.13
13	bA	842	CLA	C2D-C1D-ND	6.11	116.18	110.13
13	dB	828	CLA	CMD-C2D-C1D	6.11	135.49	124.73
13	bA	816	CLA	C2D-C1D-ND	6.11	116.18	110.13
13	dB	812	CLA	CMD-C2D-C1D	6.11	135.49	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	830	CLA	CHD-C4C-C3C	-6.11	115.86	124.77
13	dA	816	CLA	C2D-C1D-ND	6.11	116.17	110.13
13	bB	812	CLA	CMD-C2D-C1D	6.11	135.49	124.73
13	aA	807	CLA	C2D-C1D-ND	6.11	116.17	110.13
13	bB	805	CLA	C2D-C1D-ND	6.10	116.16	110.13
13	bA	805	CLA	O2D-CGD-CBD	6.10	121.89	111.23
13	cB	817	CLA	C2D-C1D-ND	6.10	116.16	110.13
13	cA	807	CLA	C2D-C1D-ND	6.09	116.16	110.13
13	dA	805	CLA	O2D-CGD-CBD	6.09	121.88	111.23
13	bA	828	CLA	C2D-C1D-ND	6.08	116.15	110.13
13	aA	827	CLA	CHD-C4C-C3C	-6.08	115.90	124.77
13	dA	828	CLA	C2D-C1D-ND	6.08	116.14	110.13
13	dF	201	CLA	C2D-C1D-ND	6.08	116.14	110.13
13	aA	802	CLA	C4A-NA-C1A	-6.08	103.91	106.68
13	bA	829	CLA	CMD-C2D-C1D	6.07	135.43	124.73
13	dB	827	CLA	O2D-CGD-CBD	6.07	121.84	111.23
13	aB	817	CLA	C2D-C1D-ND	6.07	116.13	110.13
13	cA	827	CLA	CHD-C4C-C3C	-6.07	115.93	124.77
13	bL	202	CLA	O2D-CGD-CBD	6.07	121.84	111.23
13	bB	806	CLA	C2D-C1D-ND	6.07	116.13	110.13
13	dA	829	CLA	CMD-C2D-C1D	6.06	135.41	124.73
13	dB	806	CLA	C2D-C1D-ND	6.06	116.13	110.13
13	aB	831	CLA	C2D-C1D-ND	6.06	116.12	110.13
13	dB	813	CLA	C2D-C1D-ND	6.06	116.12	110.13
13	aA	824	CLA	C2D-C1D-ND	6.06	116.12	110.13
13	cB	830	CLA	C2D-C1D-ND	6.06	116.12	110.13
13	bA	835	CLA	O2D-CGD-CBD	6.05	121.81	111.23
13	bB	827	CLA	O2D-CGD-CBD	6.05	121.81	111.23
13	dL	202	CLA	O2D-CGD-CBD	6.05	121.81	111.23
13	aA	816	CLA	CHD-C4C-C3C	-6.05	115.95	124.77
13	aA	829	CLA	C2D-C1D-ND	6.05	116.12	110.13
13	aL	204	CLA	C2D-C1D-ND	6.05	116.12	110.13
13	bA	825	CLA	C2D-C1D-ND	6.05	116.12	110.13
13	bF	201	CLA	C2D-C1D-ND	6.05	116.12	110.13
13	cB	833	CLA	CHD-C4C-C3C	-6.05	115.95	124.77
13	aB	830	CLA	C2D-C1D-ND	6.05	116.11	110.13
13	bA	831	CLA	C2D-C1D-ND	6.04	116.11	110.13
13	dA	844	CLA	CHD-C4C-C3C	-6.04	115.96	124.77
13	dA	835	CLA	O2D-CGD-CBD	6.04	121.79	111.23
13	cA	824	CLA	C2D-C1D-ND	6.04	116.10	110.13
13	cB	831	CLA	C2D-C1D-ND	6.04	116.10	110.13
13	aB	833	CLA	CHD-C4C-C3C	-6.04	115.97	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dL	203	CLA	C2B-C1B-NB	6.04	116.59	110.33
13	bA	844	CLA	CHD-C4C-C3C	-6.04	115.97	124.77
13	cA	816	CLA	CHD-C4C-C3C	-6.03	115.97	124.77
13	dA	838	CLA	C2C-C1C-NC	6.03	116.32	109.98
13	aB	832	CLA	C2D-C1D-ND	6.03	116.10	110.13
13	dA	831	CLA	C2D-C1D-ND	6.03	116.09	110.13
13	bA	843	CLA	CHD-C4C-C3C	-6.03	115.98	124.77
13	bB	825	CLA	C2B-C1B-NB	6.03	116.58	110.33
13	dA	813	CLA	CMD-C2D-C1D	6.03	135.34	124.73
13	cL	204	CLA	C2D-C1D-ND	6.03	116.09	110.13
13	dB	813	CLA	O2D-CGD-CBD	6.03	121.76	111.23
13	dA	843	CLA	CHD-C4C-C3C	-6.02	115.99	124.77
13	aB	808	CLA	C2D-C1D-ND	6.02	116.09	110.13
13	cB	832	CLA	C2D-C1D-ND	6.02	116.09	110.13
13	cA	829	CLA	C2D-C1D-ND	6.02	116.09	110.13
13	dA	825	CLA	C2D-C1D-ND	6.02	116.09	110.13
13	aA	828	CLA	CHD-C4C-C3C	-6.02	116.00	124.77
13	bL	203	CLA	C2B-C1B-NB	6.02	116.57	110.33
13	bA	837	CLA	C2D-C1D-ND	6.02	116.08	110.13
13	dB	818	CLA	CHD-C4C-C3C	-6.02	116.00	124.77
13	bB	813	CLA	C2D-C1D-ND	6.02	116.08	110.13
13	dB	818	CLA	C2D-C1D-ND	6.02	116.08	110.13
13	bB	813	CLA	O2D-CGD-CBD	6.02	121.75	111.23
13	bA	838	CLA	C2C-C1C-NC	6.02	116.30	109.98
13	dA	806	CLA	C2D-C1D-ND	6.01	116.08	110.13
13	cB	808	CLA	C2D-C1D-ND	6.01	116.08	110.13
13	bA	811	CLA	O2D-CGD-CBD	6.01	121.73	111.23
13	dA	811	CLA	O2D-CGD-CBD	6.01	121.73	111.23
13	dB	825	CLA	C2B-C1B-NB	6.01	116.56	110.33
13	bB	818	CLA	CHD-C4C-C3C	-6.01	116.02	124.77
13	aA	808	CLA	O2D-CGD-CBD	6.01	121.73	111.23
13	bA	841	CLA	C2B-C1B-NB	6.00	116.55	110.33
13	dB	829	CLA	C2D-C1D-ND	6.00	116.07	110.13
13	bA	813	CLA	CMD-C2D-C1D	6.00	135.30	124.73
13	bB	804	CLA	C2D-C1D-ND	6.00	116.07	110.13
13	cA	808	CLA	O2D-CGD-CBD	6.00	121.72	111.23
13	aA	821	CLA	C2D-C1D-ND	6.00	116.06	110.13
13	bA	829	CLA	CHD-C4C-C3C	-5.99	116.03	124.77
13	dA	837	CLA	C2D-C1D-ND	5.99	116.06	110.13
13	bA	803	CLA	C2B-C1B-NB	5.99	116.54	110.33
13	dA	841	CLA	C2B-C1B-NB	5.99	116.54	110.33
13	bA	806	CLA	C2D-C1D-ND	5.99	116.06	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	828	CLA	CHD-C4C-C3C	-5.99	116.04	124.77
13	bA	832	CLA	O2D-CGD-CBD	5.99	121.70	111.23
13	aB	820	CLA	C2D-C1D-ND	5.99	116.05	110.13
13	dJ	101	CLA	C2D-C1D-ND	5.99	116.05	110.13
13	aB	819	CLA	C2D-C1D-ND	5.99	116.05	110.13
13	cA	809	CLA	CHD-C4C-C3C	-5.99	116.04	124.77
13	dB	803	CLA	C2D-C1D-ND	5.99	116.05	110.13
13	dB	815	CLA	CMD-C2D-C1D	5.99	135.27	124.73
13	bA	807	CLA	CHD-C4C-C3C	-5.98	116.05	124.77
13	bJ	101	CLA	C2D-C1D-ND	5.98	116.05	110.13
13	cA	821	CLA	C2D-C1D-ND	5.98	116.05	110.13
13	dB	804	CLA	C2D-C1D-ND	5.98	116.05	110.13
13	aA	807	CLA	CHD-C4C-C3C	-5.98	116.05	124.77
13	cA	807	CLA	CHD-C4C-C3C	-5.98	116.05	124.77
13	dB	805	CLA	CHD-C4C-C3C	-5.98	116.05	124.77
13	dA	807	CLA	CHD-C4C-C3C	-5.98	116.05	124.77
13	aA	831	CLA	CHD-C4C-C3C	-5.98	116.05	124.77
13	aA	809	CLA	CHD-C4C-C3C	-5.98	116.05	124.77
13	cL	204	CLA	CHD-C4C-C3C	-5.98	116.05	124.77
13	bB	829	CLA	C2D-C1D-ND	5.98	116.05	110.13
13	dB	830	CLA	CMD-C2D-C1D	5.98	135.26	124.73
13	cB	820	CLA	C2D-C1D-ND	5.98	116.04	110.13
13	bB	830	CLA	CHD-C4C-C3C	-5.98	116.06	124.77
13	cB	810	CLA	CHD-C4C-C3C	-5.98	116.06	124.77
13	bB	820	CLA	CHD-C4C-C3C	-5.98	116.06	124.77
13	dA	829	CLA	CHD-C4C-C3C	-5.98	116.06	124.77
13	bB	818	CLA	C2D-C1D-ND	5.98	116.04	110.13
13	dA	819	CLA	CMD-C2D-C1D	5.98	135.25	124.73
13	bB	815	CLA	CMD-C2D-C1D	5.97	135.25	124.73
13	aB	810	CLA	CHD-C4C-C3C	-5.97	116.06	124.77
13	bB	805	CLA	CHD-C4C-C3C	-5.97	116.07	124.77
13	bB	830	CLA	CMD-C2D-C1D	5.97	135.24	124.73
13	bA	824	CLA	C2D-C1D-ND	5.97	116.03	110.13
13	bB	803	CLA	C2D-C1D-ND	5.97	116.03	110.13
13	dA	832	CLA	O2D-CGD-CBD	5.97	121.66	111.23
13	dB	820	CLA	CHD-C4C-C3C	-5.96	116.08	124.77
13	cB	819	CLA	C2D-C1D-ND	5.96	116.03	110.13
13	aB	801	CLA	O2D-CGD-CBD	5.96	121.65	111.23
13	cK	204	CLA	O2D-CGD-CBD	5.96	121.65	111.23
13	dA	827	CLA	C4A-NA-C1A	-5.96	103.96	106.68
13	bA	842	CLA	CHD-C4C-C3C	-5.96	116.08	124.77
13	bB	826	CLA	C2D-C1D-ND	5.96	116.02	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	819	CLA	CMD-C2D-C1D	5.96	135.22	124.73
13	cA	831	CLA	CHD-C4C-C3C	-5.95	116.09	124.77
13	aA	843	CLA	O2D-CGD-CBD	5.95	121.64	111.23
13	aL	204	CLA	CHD-C4C-C3C	-5.95	116.09	124.77
13	dB	830	CLA	CHD-C4C-C3C	-5.95	116.09	124.77
13	cB	826	CLA	O2D-CGD-CBD	5.95	121.64	111.23
13	cB	801	CLA	O2D-CGD-CBD	5.95	121.63	111.23
13	aK	204	CLA	O2D-CGD-CBD	5.95	121.63	111.23
13	bF	201	CLA	O2D-CGD-CBD	5.95	121.63	111.23
13	dA	842	CLA	CHD-C4C-C3C	-5.95	116.10	124.77
13	cA	843	CLA	O2D-CGD-CBD	5.95	121.63	111.23
13	dF	201	CLA	O2D-CGD-CBD	5.95	121.63	111.23
13	cA	818	CLA	CMD-C2D-C1D	5.95	135.20	124.73
13	aB	826	CLA	O2D-CGD-CBD	5.95	121.62	111.23
13	dA	803	CLA	C2B-C1B-NB	5.94	116.49	110.33
13	aB	809	CLA	CHD-C4C-C3C	-5.94	116.11	124.77
13	cB	826	CLA	C2B-C1B-NB	5.94	116.49	110.33
13	dB	821	CLA	CHD-C4C-C3C	-5.94	116.11	124.77
13	cB	809	CLA	CHD-C4C-C3C	-5.94	116.11	124.77
13	dA	841	CLA	CHD-C4C-C3C	-5.94	116.11	124.77
13	dA	824	CLA	C2D-C1D-ND	5.94	116.00	110.13
13	bB	821	CLA	CHD-C4C-C3C	-5.94	116.11	124.77
13	dB	826	CLA	C2D-C1D-ND	5.94	116.00	110.13
13	aA	818	CLA	CMD-C2D-C1D	5.94	135.18	124.73
13	aA	812	CLA	C2D-C1D-ND	5.94	116.00	110.13
13	aB	830	CLA	CHD-C4C-C3C	-5.94	116.12	124.77
13	cA	823	CLA	O2D-CGD-CBD	5.93	121.60	111.23
13	bA	806	CLA	CMD-C2D-C1D	5.93	135.18	124.73
13	dB	820	CLA	C2D-C1D-ND	5.93	116.00	110.13
13	dA	806	CLA	CMD-C2D-C1D	5.93	135.17	124.73
13	dA	824	CLA	CHD-C4C-C3C	-5.93	116.13	124.77
13	bA	811	CLA	C2D-C1D-ND	5.93	115.99	110.13
13	bA	824	CLA	CHD-C4C-C3C	-5.93	116.13	124.77
13	bB	824	CLA	C2D-C1D-ND	5.93	115.99	110.13
13	aB	832	CLA	CHD-C4C-C3C	-5.93	116.13	124.77
13	aA	823	CLA	O2D-CGD-CBD	5.92	121.58	111.23
13	bA	841	CLA	CHD-C4C-C3C	-5.92	116.14	124.77
13	cB	830	CLA	CHD-C4C-C3C	-5.92	116.14	124.77
13	cB	832	CLA	CHD-C4C-C3C	-5.92	116.14	124.77
13	dA	824	CLA	CMD-C2D-C1D	5.92	135.16	124.73
13	aA	824	CLA	C2B-C1B-NB	5.92	116.46	110.33
13	aK	203	CLA	C2D-C1D-ND	5.92	115.98	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	808	CLA	CMD-C2D-C1D	5.92	135.15	124.73
13	bB	830	CLA	C2D-C1D-ND	5.91	115.98	110.13
13	dB	824	CLA	C2D-C1D-ND	5.91	115.98	110.13
13	dA	811	CLA	C2D-C1D-ND	5.91	115.98	110.13
13	cA	812	CLA	C2D-C1D-ND	5.91	115.97	110.13
13	bB	808	CLA	CMD-C2D-C1D	5.91	135.13	124.73
13	bA	827	CLA	C4A-NA-C1A	-5.91	103.98	106.68
13	bA	843	CLA	C2D-C1D-ND	5.91	115.97	110.13
13	cA	831	CLA	C2D-C1D-ND	5.90	115.97	110.13
13	bA	824	CLA	CMD-C2D-C1D	5.90	135.13	124.73
13	dB	802	CLA	CHD-C4C-C3C	-5.90	116.17	124.77
13	bA	833	CLA	C4A-NA-C1A	-5.90	103.99	106.68
13	cK	203	CLA	C2D-C1D-ND	5.90	115.97	110.13
13	aA	806	CLA	CHD-C4C-C3C	-5.90	116.17	124.77
13	bB	823	CLA	C2C-C1C-NC	5.90	116.18	109.98
13	cB	803	CLA	C2D-C1D-ND	5.90	115.97	110.13
13	aB	803	CLA	C2D-C1D-ND	5.90	115.97	110.13
13	cA	815	CLA	C3B-C2B-C1B	-5.90	100.22	107.17
13	aK	201	CLA	C2B-C1B-NB	5.90	116.44	110.33
13	bA	829	CLA	C2B-C1B-NB	5.90	116.44	110.33
13	dB	830	CLA	C2D-C1D-ND	5.90	115.96	110.13
13	bB	802	CLA	CHD-C4C-C3C	-5.90	116.18	124.77
13	aA	815	CLA	C3B-C2B-C1B	-5.90	100.22	107.17
13	bB	820	CLA	C2D-C1D-ND	5.89	115.96	110.13
13	aB	827	CLA	C2D-C1D-ND	5.89	115.96	110.13
13	dB	812	CLA	CHD-C4C-C3C	-5.89	116.18	124.77
13	bB	812	CLA	CHD-C4C-C3C	-5.89	116.19	124.77
13	aA	831	CLA	C2D-C1D-ND	5.89	115.95	110.13
13	dB	812	CLA	C2D-C1D-ND	5.89	115.95	110.13
13	dA	802	CLA	C2B-C1B-NB	5.89	116.43	110.33
13	dA	843	CLA	C2D-C1D-ND	5.89	115.95	110.13
13	dA	833	CLA	C4A-NA-C1A	-5.89	103.99	106.68
13	aA	839	CLA	C2D-C1D-ND	5.88	115.95	110.13
13	cA	824	CLA	C2B-C1B-NB	5.88	116.43	110.33
13	aB	811	CLA	C2C-C1C-NC	5.88	116.16	109.98
13	cA	834	CLA	CHD-C4C-C3C	-5.88	116.19	124.77
13	dA	818	CLA	CHD-C4C-C3C	-5.88	116.20	124.77
13	bB	819	CLA	C2B-C1B-NB	5.88	116.42	110.33
13	cA	806	CLA	CHD-C4C-C3C	-5.88	116.20	124.77
13	bA	802	CLA	C2B-C1B-NB	5.88	116.42	110.33
13	dB	819	CLA	C2B-C1B-NB	5.88	116.42	110.33
13	cB	822	CLA	C2D-C1D-ND	5.88	115.94	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	827	CLA	C2D-C1D-ND	5.88	115.94	110.13
13	cA	825	CLA	C2B-C1B-NB	5.87	116.42	110.33
13	cA	826	CLA	C2D-C1D-ND	5.87	115.94	110.13
13	cA	806	CLA	C2B-C1B-NB	5.87	116.42	110.33
13	aA	834	CLA	CHD-C4C-C3C	-5.87	116.21	124.77
13	aA	826	CLA	C2D-C1D-ND	5.87	115.94	110.13
13	aB	822	CLA	C2D-C1D-ND	5.87	115.93	110.13
13	cA	835	CLA	C2C-C1C-NC	5.87	116.14	109.98
13	cA	810	CLA	CMD-C2D-C1D	5.87	135.06	124.73
13	dA	829	CLA	C2B-C1B-NB	5.87	116.41	110.33
13	cK	201	CLA	C2B-C1B-NB	5.87	116.41	110.33
13	cA	839	CLA	C2D-C1D-ND	5.86	115.93	110.13
13	aB	826	CLA	C2B-C1B-NB	5.86	116.41	110.33
13	cA	843	CLA	CHD-C4C-C3C	-5.86	116.22	124.77
13	dB	823	CLA	C2C-C1C-NC	5.86	116.14	109.98
13	bB	812	CLA	C2D-C1D-ND	5.86	115.93	110.13
13	cA	808	CLA	C2D-C1D-ND	5.86	115.93	110.13
13	bA	818	CLA	CHD-C4C-C3C	-5.86	116.23	124.77
13	dB	828	CLA	O2D-CGD-CBD	5.86	121.47	111.23
13	dB	807	CLA	CHD-C4C-C3C	-5.86	116.23	124.77
13	aA	810	CLA	CMD-C2D-C1D	5.86	135.04	124.73
13	bB	828	CLA	O2D-CGD-CBD	5.86	121.47	111.23
13	cB	811	CLA	C2C-C1C-NC	5.86	116.13	109.98
13	aA	843	CLA	CHD-C4C-C3C	-5.86	116.24	124.77
13	aF	204	CLA	C2B-C1B-NB	5.85	116.40	110.33
13	aA	808	CLA	C2D-C1D-ND	5.85	115.92	110.13
13	cL	202	CLA	C2D-C1D-ND	5.85	115.92	110.13
13	aA	825	CLA	C2B-C1B-NB	5.85	116.39	110.33
13	dA	830	CLA	CMD-C2D-C1D	5.85	135.03	124.73
13	bB	807	CLA	CHD-C4C-C3C	-5.85	116.24	124.77
13	aA	828	CLA	O2D-CGD-CBD	5.85	121.46	111.23
13	dB	802	CLA	C2C-C1C-NC	5.85	116.12	109.98
13	cF	204	CLA	C2B-C1B-NB	5.85	116.39	110.33
13	cA	842	CLA	CHD-C4C-C3C	-5.85	116.25	124.77
13	aA	842	CLA	CHD-C4C-C3C	-5.84	116.25	124.77
13	dJ	101	CLA	C2B-C1B-NB	5.84	116.38	110.33
13	aA	827	CLA	C2D-C1D-ND	5.84	115.91	110.13
13	dA	827	CLA	C2D-C1D-ND	5.84	115.91	110.13
13	cB	801	CLA	CHD-C4C-C3C	-5.84	116.26	124.77
13	aA	838	CLA	C3B-C2B-C1B	-5.84	100.29	107.17
13	aA	835	CLA	C2C-C1C-NC	5.84	116.11	109.98
13	cA	812	CLA	C4A-NA-C1A	-5.84	104.02	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bJ	101	CLA	C2B-C1B-NB	5.84	116.38	110.33
13	bB	802	CLA	C2C-C1C-NC	5.83	116.11	109.98
13	cA	827	CLA	C2D-C1D-ND	5.83	115.90	110.13
13	dA	836	CLA	CMD-C2D-C1D	5.83	135.00	124.73
13	bA	822	CLA	CHD-C4C-C3C	-5.83	116.27	124.77
13	aA	806	CLA	C2B-C1B-NB	5.83	116.38	110.33
13	aL	203	CLA	CMD-C2D-C1D	5.83	135.00	124.73
13	aL	202	CLA	C2D-C1D-ND	5.83	115.89	110.13
13	cA	828	CLA	O2D-CGD-CBD	5.83	121.42	111.23
13	aA	811	CLA	CHD-C4C-C3C	-5.83	116.28	124.77
13	cB	806	CLA	C2B-C1B-NB	5.83	116.37	110.33
13	bA	836	CLA	CMD-C2D-C1D	5.83	134.99	124.73
13	aB	801	CLA	CHD-C4C-C3C	-5.82	116.28	124.77
13	bA	830	CLA	CMD-C2D-C1D	5.82	134.98	124.73
13	cL	203	CLA	CMD-C2D-C1D	5.82	134.98	124.73
13	dA	822	CLA	CHD-C4C-C3C	-5.82	116.28	124.77
13	bA	820	CLA	CMD-C2D-C1D	5.82	134.98	124.73
13	aB	829	CLA	CHD-C4C-C3C	-5.82	116.29	124.77
13	cA	838	CLA	C3B-C2B-C1B	-5.82	100.31	107.17
13	aA	817	CLA	C2D-C1D-ND	5.82	115.89	110.13
13	cA	817	CLA	C2D-C1D-ND	5.82	115.89	110.13
13	aB	806	CLA	C2B-C1B-NB	5.82	116.36	110.33
13	bA	803	CLA	C2D-C1D-ND	5.82	115.88	110.13
13	aB	809	CLA	C2D-C1D-ND	5.81	115.88	110.13
13	dA	803	CLA	C2D-C1D-ND	5.81	115.88	110.13
13	bA	823	CLA	CHD-C4C-C3C	-5.81	116.30	124.77
13	cF	204	CLA	C4A-NA-C1A	-5.81	104.03	106.68
13	dA	823	CLA	CHD-C4C-C3C	-5.81	116.30	124.77
13	cB	829	CLA	CHD-C4C-C3C	-5.81	116.31	124.77
13	dA	820	CLA	CMD-C2D-C1D	5.81	134.95	124.73
13	cA	811	CLA	CHD-C4C-C3C	-5.81	116.31	124.77
13	bA	827	CLA	C2D-C1D-ND	5.80	115.87	110.13
13	bB	813	CLA	C2B-C1B-NB	5.80	116.34	110.33
13	dB	827	CLA	C2B-C1B-NB	5.80	116.34	110.33
13	bA	823	CLA	CMD-C2D-C1D	5.80	134.94	124.73
13	cA	843	CLA	C2D-C1D-ND	5.80	115.87	110.13
13	cA	824	CLA	CHD-C4C-C3C	-5.80	116.31	124.77
13	dA	827	CLA	CHD-C4C-C3C	-5.80	116.31	124.77
13	aB	833	CLA	C2D-C1D-ND	5.80	115.86	110.13
13	bA	809	CLA	CHD-C4C-C3C	-5.80	116.32	124.77
13	cB	833	CLA	C2D-C1D-ND	5.80	115.86	110.13
13	aA	824	CLA	CHD-C4C-C3C	-5.79	116.33	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	842	CLA	C2D-C1D-ND	5.79	115.86	110.13
13	dB	813	CLA	C2B-C1B-NB	5.79	116.33	110.33
13	aA	837	CLA	CHD-C4C-C3C	-5.79	116.33	124.77
13	bA	827	CLA	CHD-C4C-C3C	-5.79	116.33	124.77
13	dB	804	CLA	CAC-C3C-C4C	5.79	132.32	124.79
13	aA	843	CLA	C2D-C1D-ND	5.79	115.86	110.13
13	dA	837	CLA	CHD-C4C-C3C	-5.79	116.33	124.77
13	aA	812	CLA	C4A-NA-C1A	-5.79	104.04	106.68
13	bB	804	CLA	CAC-C3C-C4C	5.79	132.32	124.79
13	bB	827	CLA	C2B-C1B-NB	5.79	116.33	110.33
13	cB	818	CLA	CHD-C4C-C3C	-5.79	116.34	124.77
13	bA	836	CLA	C2C-C1C-NC	5.78	116.06	109.98
13	aB	828	CLA	C2D-C1D-ND	5.78	115.85	110.13
13	dB	827	CLA	C2D-C1D-ND	5.78	115.85	110.13
13	aA	842	CLA	C2D-C1D-ND	5.78	115.85	110.13
13	dA	823	CLA	CMD-C2D-C1D	5.78	134.91	124.73
13	cB	817	CLA	CHD-C4C-C3C	-5.78	116.34	124.77
13	dA	809	CLA	CHD-C4C-C3C	-5.78	116.34	124.77
13	bL	203	CLA	CAA-C2A-C3A	-5.78	97.38	113.00
13	aB	818	CLA	CHD-C4C-C3C	-5.78	116.34	124.77
13	aA	820	CLA	C4A-NA-C1A	-5.78	104.04	106.68
13	aB	817	CLA	CHD-C4C-C3C	-5.78	116.35	124.77
13	dL	203	CLA	CAA-C2A-C3A	-5.78	97.39	113.00
13	aK	203	CLA	CHD-C4C-C3C	-5.77	116.36	124.77
13	bB	827	CLA	C2D-C1D-ND	5.77	115.84	110.13
13	dA	805	CLA	CHD-C4C-C3C	-5.77	116.36	124.77
13	cK	203	CLA	CHD-C4C-C3C	-5.77	116.36	124.77
13	cB	828	CLA	C2D-C1D-ND	5.77	115.83	110.13
13	cA	837	CLA	CHD-C4C-C3C	-5.77	116.36	124.77
13	cB	804	CLA	C4A-NA-C1A	-5.76	104.05	106.68
13	aL	202	CLA	CHD-C4C-C3C	-5.76	116.37	124.77
13	bA	837	CLA	CHD-C4C-C3C	-5.76	116.37	124.77
13	cA	810	CLA	C2B-C1B-NB	5.76	116.30	110.33
13	cB	809	CLA	C2D-C1D-ND	5.76	115.83	110.13
13	bA	811	CLA	C2C-C1C-NC	5.76	116.03	109.98
13	bA	805	CLA	CHD-C4C-C3C	-5.76	116.37	124.77
13	aF	204	CLA	C4A-NA-C1A	-5.76	104.05	106.68
13	aB	829	CLA	C2D-C1D-ND	5.76	115.82	110.13
13	bB	815	CLA	C3B-C2B-C1B	-5.76	100.38	107.17
13	dA	836	CLA	C2C-C1C-NC	5.75	116.03	109.98
13	cB	818	CLA	C2D-C1D-ND	5.75	115.82	110.13
13	bA	833	CLA	CHD-C4C-C3C	-5.75	116.39	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cL	202	CLA	CHD-C4C-C3C	-5.75	116.39	124.77
13	dB	815	CLA	C3B-C2B-C1B	-5.75	100.39	107.17
13	bB	817	CLA	C2B-C1B-NB	5.74	116.28	110.33
13	dA	811	CLA	C2C-C1C-NC	5.74	116.01	109.98
13	bB	832	CLA	O2D-CGD-CBD	5.74	121.27	111.23
13	dA	833	CLA	CHD-C4C-C3C	-5.74	116.41	124.77
13	aA	810	CLA	C2B-C1B-NB	5.74	116.28	110.33
13	aA	821	CLA	CHD-C4C-C3C	-5.74	116.41	124.77
13	aB	818	CLA	C2D-C1D-ND	5.74	115.80	110.13
13	cB	810	CLA	O2D-CGD-CBD	5.73	121.25	111.23
13	bA	815	CLA	C3B-C2B-C1B	-5.73	100.41	107.17
13	dB	832	CLA	O2D-CGD-CBD	5.73	121.25	111.23
13	aA	829	CLA	C2B-C1B-NB	5.73	116.27	110.33
13	dB	808	CLA	C2C-C1C-NC	5.73	116.00	109.98
13	bB	825	CLA	C4A-NA-C1A	-5.73	104.06	106.68
13	aB	810	CLA	O2D-CGD-CBD	5.73	121.25	111.23
13	cA	829	CLA	C2B-C1B-NB	5.73	116.27	110.33
13	dA	825	CLA	C2B-C1B-NB	5.73	116.27	110.33
13	bA	825	CLA	C2B-C1B-NB	5.73	116.27	110.33
13	aB	804	CLA	C4A-NA-C1A	-5.72	104.07	106.68
13	bA	840	CLA	CHD-C4C-C3C	-5.72	116.44	124.77
13	dB	824	CLA	CHD-C4C-C3C	-5.72	116.44	124.77
13	cB	829	CLA	C2D-C1D-ND	5.72	115.78	110.13
13	dA	807	CLA	C2D-C1D-ND	5.71	115.78	110.13
13	cA	821	CLA	CHD-C4C-C3C	-5.71	116.44	124.77
13	aB	801	CLA	C2D-C1D-ND	5.71	115.78	110.13
13	dB	817	CLA	C2B-C1B-NB	5.71	116.25	110.33
13	cA	816	CLA	C2B-C1B-NB	5.71	116.25	110.33
13	cK	204	CLA	C2B-C1B-NB	5.71	116.25	110.33
13	dA	840	CLA	CHD-C4C-C3C	-5.71	116.45	124.77
13	bB	824	CLA	CHD-C4C-C3C	-5.71	116.45	124.77
13	cF	201	CLA	C2B-C1B-NB	5.70	116.24	110.33
13	aA	819	CLA	C3B-C2B-C1B	-5.70	100.45	107.17
13	cB	801	CLA	C2D-C1D-ND	5.70	115.77	110.13
13	dA	815	CLA	C3B-C2B-C1B	-5.70	100.45	107.17
13	bJ	101	CLA	CHD-C4C-C3C	-5.70	116.46	124.77
13	aA	816	CLA	C2B-C1B-NB	5.70	116.24	110.33
13	bF	204	CLA	C4A-NA-C1A	-5.70	104.08	106.68
13	aA	802	CLA	C2B-C1B-NB	5.70	116.23	110.33
13	aF	201	CLA	C2B-C1B-NB	5.70	116.23	110.33
13	dA	831	CLA	C4A-NA-C1A	-5.69	104.08	106.68
13	bA	807	CLA	C2D-C1D-ND	5.69	115.76	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	822	CLA	C2B-C1B-NB	5.69	116.23	110.33
13	dA	837	CLA	C2B-C1B-NB	5.69	116.23	110.33
13	cA	803	CLA	C3B-C2B-C1B	-5.69	100.46	107.17
13	cB	827	CLA	C2B-C1B-NB	5.69	116.23	110.33
13	bA	817	CLA	CHD-C4C-C3C	-5.69	116.48	124.77
13	cA	836	CLA	C2D-C1D-ND	5.69	115.75	110.13
13	bB	808	CLA	C2C-C1C-NC	5.69	115.95	109.98
13	dB	825	CLA	C4A-NA-C1A	-5.69	104.08	106.68
13	cB	821	CLA	C4A-NA-C1A	-5.68	104.09	106.68
13	bA	841	CLA	C2D-C1D-ND	5.68	115.75	110.13
13	aA	803	CLA	C3B-C2B-C1B	-5.68	100.47	107.17
13	cB	808	CLA	C3B-C2B-C1B	-5.68	100.47	107.17
13	aK	204	CLA	C2B-C1B-NB	5.68	116.22	110.33
13	dA	841	CLA	C2D-C1D-ND	5.68	115.75	110.13
13	bA	831	CLA	C4A-NA-C1A	-5.68	104.09	106.68
13	dA	817	CLA	CHD-C4C-C3C	-5.68	116.50	124.77
13	aA	821	CLA	O2D-CGD-CBD	5.68	121.15	111.23
13	cA	832	CLA	O2D-CGD-CBD	5.67	121.15	111.23
13	cA	813	CLA	CHD-C4C-C3C	-5.67	116.50	124.77
13	dJ	101	CLA	CHD-C4C-C3C	-5.67	116.50	124.77
13	cA	819	CLA	C3B-C2B-C1B	-5.67	100.48	107.17
13	bA	837	CLA	C2B-C1B-NB	5.67	116.21	110.33
13	bB	815	CLA	C2D-C1D-ND	5.67	115.74	110.13
13	cB	811	CLA	C2D-C1D-ND	5.67	115.74	110.13
13	cA	819	CLA	CHD-C4C-C3C	-5.67	116.51	124.77
13	aA	839	CLA	CHD-C4C-C3C	-5.67	116.51	124.77
13	dA	806	CLA	C2B-C1B-NB	5.66	116.20	110.33
13	aB	827	CLA	C2B-C1B-NB	5.66	116.20	110.33
13	aA	836	CLA	C2D-C1D-ND	5.66	115.73	110.13
13	dF	204	CLA	C2B-C1B-NB	5.66	116.19	110.33
13	cA	823	CLA	CHD-C4C-C3C	-5.66	116.52	124.77
13	cA	802	CLA	C2B-C1B-NB	5.66	116.19	110.33
13	dA	830	CLA	O2D-CGD-CBD	5.66	121.12	111.23
13	cA	839	CLA	CHD-C4C-C3C	-5.66	116.53	124.77
13	cA	821	CLA	O2D-CGD-CBD	5.66	121.12	111.23
13	aB	833	CLA	C2B-C1B-NB	5.66	116.19	110.33
13	bA	806	CLA	C2B-C1B-NB	5.66	116.19	110.33
13	aA	819	CLA	CHD-C4C-C3C	-5.65	116.53	124.77
13	dB	817	CLA	CHD-C4C-C3C	-5.65	116.53	124.77
13	bA	830	CLA	O2D-CGD-CBD	5.65	121.11	111.23
13	aB	822	CLA	C2B-C1B-NB	5.65	116.19	110.33
13	bB	807	CLA	C2D-C1D-ND	5.65	115.72	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	803	CLA	CHD-C4C-C3C	-5.65	116.53	124.77
13	dB	815	CLA	C2D-C1D-ND	5.65	115.72	110.13
13	aA	814	CLA	C2B-C1B-NB	5.65	116.19	110.33
13	cB	833	CLA	C2B-C1B-NB	5.65	116.19	110.33
13	aA	813	CLA	CHD-C4C-C3C	-5.65	116.53	124.77
13	bB	817	CLA	CHD-C4C-C3C	-5.65	116.53	124.77
13	aA	832	CLA	CHD-C4C-C3C	-5.65	116.54	124.77
13	bB	814	CLA	CHD-C4C-C3C	-5.65	116.54	124.77
13	dA	816	CLA	CHD-C4C-C3C	-5.65	116.54	124.77
13	aB	807	CLA	CAC-C3C-C4C	5.65	132.14	124.79
13	dB	814	CLA	CHD-C4C-C3C	-5.65	116.54	124.77
13	aB	811	CLA	C2D-C1D-ND	5.65	115.71	110.13
13	cA	820	CLA	C4A-NA-C1A	-5.64	104.10	106.68
13	dF	204	CLA	C4A-NA-C1A	-5.64	104.10	106.68
13	aA	823	CLA	CHD-C4C-C3C	-5.64	116.55	124.77
13	cA	832	CLA	CHD-C4C-C3C	-5.64	116.55	124.77
13	cK	204	CLA	C2D-C1D-ND	5.64	115.71	110.13
13	dB	808	CLA	C2D-C1D-ND	5.64	115.71	110.13
13	dA	829	CLA	C3B-C2B-C1B	-5.64	100.52	107.17
13	bA	829	CLA	C3B-C2B-C1B	-5.64	100.52	107.17
13	aK	204	CLA	C2D-C1D-ND	5.64	115.70	110.13
13	dB	807	CLA	C2D-C1D-ND	5.64	115.70	110.13
13	dB	816	CLA	C2D-C1D-ND	5.64	115.70	110.13
13	aA	838	CLA	O2D-CGD-CBD	5.64	121.08	111.23
13	bA	835	CLA	C3B-C2B-C1B	-5.64	100.53	107.17
13	aB	808	CLA	C3B-C2B-C1B	-5.64	100.53	107.17
13	cA	814	CLA	O2D-CGD-CBD	5.63	121.08	111.23
13	cA	838	CLA	O2D-CGD-CBD	5.63	121.08	111.23
13	aA	819	CLA	C2B-C1B-NB	5.63	116.17	110.33
13	aA	833	CLA	CHD-C4C-C3C	-5.63	116.56	124.77
13	cL	204	CLA	CAA-C2A-C3A	-5.63	103.31	116.23
13	aL	204	CLA	CAA-C2A-C3A	-5.63	103.31	116.23
13	cB	807	CLA	CAC-C3C-C4C	5.63	132.12	124.79
13	bA	816	CLA	CHD-C4C-C3C	-5.63	116.56	124.77
13	dB	832	CLA	C2D-C1D-ND	5.63	115.70	110.13
13	cA	833	CLA	CHD-C4C-C3C	-5.63	116.56	124.77
13	cA	814	CLA	C2B-C1B-NB	5.63	116.17	110.33
13	dA	803	CLA	CHD-C4C-C3C	-5.63	116.56	124.77
13	aA	832	CLA	O2D-CGD-CBD	5.63	121.07	111.23
13	bB	804	CLA	CHD-C4C-C3C	-5.63	116.56	124.77
13	bB	808	CLA	C2D-C1D-ND	5.63	115.70	110.13
12	aA	801	CL0	CMA-C3A-C4A	-5.63	102.49	114.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	820	CLA	C4A-NA-C1A	-5.63	104.11	106.68
13	dA	811	CLA	CHD-C4C-C3C	-5.63	116.57	124.77
13	aA	802	CLA	C2C-C1C-NC	5.62	115.89	109.98
13	cA	802	CLA	C2C-C1C-NC	5.62	115.89	109.98
13	cK	201	CLA	C2C-C1C-NC	5.62	115.89	109.98
13	bF	204	CLA	C2B-C1B-NB	5.62	116.16	110.33
13	aB	816	CLA	C2B-C1B-NB	5.62	116.15	110.33
13	dA	841	CLA	C3B-C2B-C1B	-5.62	100.55	107.17
13	aA	814	CLA	O2D-CGD-CBD	5.62	121.05	111.23
13	cA	819	CLA	C2B-C1B-NB	5.62	116.15	110.33
13	bB	832	CLA	C2D-C1D-ND	5.61	115.68	110.13
13	dA	805	CLA	C2B-C1B-NB	5.61	116.15	110.33
13	dB	804	CLA	CHD-C4C-C3C	-5.61	116.59	124.77
13	aK	201	CLA	C2C-C1C-NC	5.61	115.88	109.98
13	cB	830	CLA	CMD-C2D-C1D	5.61	134.61	124.73
13	bA	834	CLA	C2C-C1C-NC	5.61	115.87	109.98
13	bA	841	CLA	C3B-C2B-C1B	-5.61	100.56	107.17
13	bA	840	CLA	C2D-C1D-ND	5.61	115.68	110.13
13	dA	808	CLA	C2B-C1B-NB	5.61	116.14	110.33
13	aB	830	CLA	CMD-C2D-C1D	5.61	134.60	124.73
13	bA	811	CLA	CHD-C4C-C3C	-5.61	116.60	124.77
13	dA	840	CLA	C2D-C1D-ND	5.61	115.67	110.13
12	cA	801	CL0	CMA-C3A-C4A	-5.60	102.53	114.61
13	bA	834	CLA	C2B-C1B-NB	5.60	116.14	110.33
13	bA	810	CLA	CHD-C4C-C3C	-5.60	116.60	124.77
13	bB	816	CLA	C2D-C1D-ND	5.60	115.67	110.13
13	dB	818	CLA	C2B-C1B-NB	5.60	116.14	110.33
13	cB	823	CLA	CHD-C4C-C3C	-5.60	116.60	124.77
13	aA	805	CLA	C2B-C1B-NB	5.60	116.14	110.33
13	dA	810	CLA	CHD-C4C-C3C	-5.60	116.61	124.77
13	bA	806	CLA	O2D-CGD-CBD	5.60	121.02	111.23
13	cB	821	CLA	C2B-C1B-NB	5.60	116.13	110.33
13	aB	823	CLA	CHD-C4C-C3C	-5.60	116.61	124.77
13	aB	821	CLA	C2B-C1B-NB	5.60	116.13	110.33
13	cA	816	CLA	C2D-C1D-ND	5.60	115.67	110.13
13	aA	816	CLA	C2D-C1D-ND	5.60	115.67	110.13
13	bA	832	CLA	C2D-C1D-ND	5.60	115.67	110.13
13	dA	832	CLA	C2D-C1D-ND	5.60	115.67	110.13
13	bA	825	CLA	CMD-C2D-C1D	5.60	134.58	124.73
13	aA	803	CLA	CHD-C4C-C3C	-5.60	116.61	124.77
13	dA	835	CLA	C3B-C2B-C1B	-5.60	100.57	107.17
13	cA	805	CLA	C2B-C1B-NB	5.59	116.13	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	834	CLA	C2C-C1C-NC	5.59	115.86	109.98
13	cA	803	CLA	CHD-C4C-C3C	-5.59	116.62	124.77
13	bA	808	CLA	C2B-C1B-NB	5.59	116.13	110.33
13	bA	802	CLA	CHD-C4C-C3C	-5.59	116.62	124.77
13	aB	821	CLA	C4A-NA-C1A	-5.59	104.13	106.68
13	dA	806	CLA	O2D-CGD-CBD	5.59	121.00	111.23
13	aJ	101	CLA	C2D-C1D-ND	5.59	115.66	110.13
13	bA	826	CLA	C2B-C1B-NB	5.59	116.12	110.33
13	cB	805	CLA	CHD-C4C-C3C	-5.59	116.63	124.77
13	dA	802	CLA	CHD-C4C-C3C	-5.59	116.63	124.77
13	dA	825	CLA	CMD-C2D-C1D	5.58	134.56	124.73
13	bA	805	CLA	C2B-C1B-NB	5.58	116.11	110.33
13	dA	825	CLA	C3B-C2B-C1B	-5.58	100.59	107.17
13	cB	807	CLA	C2C-C1C-NC	5.58	115.84	109.98
13	bA	817	CLA	C2D-C1D-ND	5.58	115.65	110.13
13	bA	803	CLA	C3B-C2B-C1B	-5.58	100.59	107.17
13	bB	805	CLA	C2B-C1B-NB	5.58	116.11	110.33
13	aB	806	CLA	C2D-C1D-ND	5.58	115.64	110.13
13	cB	816	CLA	C2B-C1B-NB	5.57	116.11	110.33
13	bB	818	CLA	C2B-C1B-NB	5.57	116.11	110.33
13	cA	828	CLA	C2B-C1B-NB	5.57	116.11	110.33
13	bA	804	CLA	CHD-C4C-C3C	-5.57	116.65	124.77
13	cB	832	CLA	C2B-C1B-NB	5.57	116.11	110.33
13	dA	804	CLA	CHD-C4C-C3C	-5.57	116.65	124.77
13	cA	831	CLA	CMD-C2D-C1D	5.57	134.54	124.73
13	cJ	101	CLA	C2D-C1D-ND	5.57	115.64	110.13
13	aB	805	CLA	CHD-C4C-C3C	-5.57	116.65	124.77
13	bA	825	CLA	C3B-C2B-C1B	-5.57	100.61	107.17
13	dA	816	CLA	C2B-C1B-NB	5.57	116.10	110.33
13	dA	834	CLA	C2B-C1B-NB	5.57	116.10	110.33
13	bA	832	CLA	CHD-C4C-C3C	-5.57	116.66	124.77
13	bA	816	CLA	C2B-C1B-NB	5.56	116.10	110.33
13	cB	806	CLA	C2D-C1D-ND	5.56	115.63	110.13
13	cB	818	CLA	O2D-CGD-CBD	5.56	120.95	111.23
13	aA	804	CLA	C2D-C1D-ND	5.56	115.63	110.13
13	aB	832	CLA	C2B-C1B-NB	5.56	116.09	110.33
13	aA	831	CLA	CMD-C2D-C1D	5.56	134.52	124.73
13	aB	807	CLA	C2C-C1C-NC	5.56	115.82	109.98
13	dA	817	CLA	C2D-C1D-ND	5.56	115.63	110.13
13	aB	818	CLA	O2D-CGD-CBD	5.56	120.95	111.23
13	aA	841	CLA	C2C-C1C-NC	5.56	115.82	109.98
13	dF	204	CLA	C2D-C1D-ND	5.56	115.63	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	841	CLA	C2C-C1C-NC	5.56	115.82	109.98
13	aA	828	CLA	C2B-C1B-NB	5.55	116.09	110.33
13	bA	827	CLA	C2B-C1B-NB	5.55	116.09	110.33
13	aA	841	CLA	C2D-C1D-ND	5.55	115.62	110.13
13	aF	201	CLA	C3B-C2B-C1B	-5.55	100.62	107.17
13	dA	833	CLA	C2B-C1B-NB	5.55	116.08	110.33
13	dB	805	CLA	C2B-C1B-NB	5.55	116.08	110.33
13	aA	813	CLA	C2D-C1D-ND	5.55	115.62	110.13
13	dA	832	CLA	CHD-C4C-C3C	-5.55	116.68	124.77
13	dB	823	CLA	C4A-NA-C1A	-5.55	104.15	106.68
13	dA	837	CLA	O2D-CGD-CBD	5.55	120.93	111.23
13	cA	821	CLA	C2C-C1C-NC	5.55	115.81	109.98
13	dA	822	CLA	C2D-C1D-ND	5.55	115.62	110.13
13	aB	823	CLA	CMD-C2D-C1D	5.55	134.50	124.73
13	bB	815	CLA	C2B-C1B-NB	5.55	116.08	110.33
13	cA	833	CLA	O2D-CGD-CBD	5.55	120.92	111.23
13	dA	803	CLA	C3B-C2B-C1B	-5.55	100.63	107.17
13	dA	838	CLA	C3B-C2B-C1B	-5.54	100.64	107.17
13	cA	841	CLA	C2D-C1D-ND	5.54	115.61	110.13
13	cF	201	CLA	C3B-C2B-C1B	-5.54	100.64	107.17
13	bA	810	CLA	C4A-NA-C1A	-5.54	104.15	106.68
13	dB	815	CLA	C2B-C1B-NB	5.54	116.07	110.33
13	aA	835	CLA	C2D-C1D-ND	5.54	115.61	110.13
13	dA	826	CLA	C2B-C1B-NB	5.54	116.07	110.33
13	cA	804	CLA	CHD-C4C-C3C	-5.54	116.70	124.77
13	cA	804	CLA	C2D-C1D-ND	5.54	115.61	110.13
13	dB	821	CLA	C2B-C1B-NB	5.54	116.07	110.33
13	bA	837	CLA	O2D-CGD-CBD	5.54	120.91	111.23
13	bA	838	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
13	cA	809	CLA	C2B-C1B-NB	5.53	116.06	110.33
13	bA	826	CLA	CHD-C4C-C3C	-5.53	116.71	124.77
13	dB	826	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
13	cA	835	CLA	C2D-C1D-ND	5.53	115.60	110.13
13	aA	821	CLA	C2C-C1C-NC	5.53	115.79	109.98
13	bA	822	CLA	C2D-C1D-ND	5.53	115.60	110.13
13	aA	833	CLA	O2D-CGD-CBD	5.53	120.89	111.23
13	dB	807	CLA	C4A-NA-C1A	-5.53	104.16	106.68
13	cB	823	CLA	CMD-C2D-C1D	5.53	134.46	124.73
13	aA	809	CLA	C2B-C1B-NB	5.53	116.06	110.33
13	bA	835	CLA	C2B-C1B-NB	5.53	116.06	110.33
13	dA	827	CLA	C2B-C1B-NB	5.52	116.06	110.33
13	cA	810	CLA	C2D-C1D-ND	5.52	115.59	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	808	CLA	CHD-C4C-C3C	-5.52	116.72	124.77
13	aB	810	CLA	C2D-C1D-ND	5.52	115.59	110.13
13	bB	821	CLA	C2B-C1B-NB	5.52	116.05	110.33
13	dA	804	CLA	C2C-C1C-NC	5.52	115.78	109.98
13	aA	830	CLA	C2D-C1D-ND	5.52	115.59	110.13
13	dB	815	CLA	CHD-C4C-C3C	-5.52	116.72	124.77
13	aB	826	CLA	CHD-C4C-C3C	-5.52	116.72	124.77
13	bF	204	CLA	C2D-C1D-ND	5.52	115.59	110.13
13	aA	812	CLA	C2B-C1B-NB	5.52	116.05	110.33
13	dF	204	CLA	C2C-C1C-NC	5.52	115.78	109.98
13	bA	802	CLA	CMD-C2D-C1D	5.52	134.45	124.73
13	aB	820	CLA	C3B-C2B-C1B	-5.52	100.66	107.17
13	bA	826	CLA	C2D-C1D-ND	5.52	115.59	110.13
13	aA	804	CLA	CHD-C4C-C3C	-5.52	116.73	124.77
13	dA	826	CLA	CHD-C4C-C3C	-5.52	116.73	124.77
13	cB	826	CLA	CHD-C4C-C3C	-5.52	116.73	124.77
13	cA	813	CLA	C2D-C1D-ND	5.52	115.59	110.13
13	cA	803	CLA	C2D-C1D-ND	5.52	115.58	110.13
13	bB	815	CLA	CHD-C4C-C3C	-5.52	116.73	124.77
13	dA	810	CLA	C4A-NA-C1A	-5.51	104.16	106.68
13	bB	808	CLA	CHD-C4C-C3C	-5.51	116.73	124.77
13	cA	816	CLA	C3B-C2B-C1B	-5.51	100.67	107.17
13	bA	833	CLA	C2B-C1B-NB	5.51	116.04	110.33
13	cB	810	CLA	C2D-C1D-ND	5.51	115.58	110.13
13	bB	824	CLA	C3B-C2B-C1B	-5.51	100.67	107.17
13	cA	830	CLA	C2D-C1D-ND	5.51	115.58	110.13
13	cB	820	CLA	C3B-C2B-C1B	-5.50	100.68	107.17
13	bA	820	CLA	C4A-NA-C1A	-5.50	104.17	106.68
13	dA	802	CLA	CMD-C2D-C1D	5.50	134.42	124.73
13	cA	813	CLA	O2D-CGD-CBD	5.50	120.85	111.23
13	bB	826	CLA	C3B-C2B-C1B	-5.50	100.68	107.17
13	bB	823	CLA	C4A-NA-C1A	-5.50	104.17	106.68
13	bA	809	CLA	C2C-C1C-NC	5.50	115.76	109.98
13	aA	813	CLA	O2D-CGD-CBD	5.50	120.84	111.23
13	aA	810	CLA	C2D-C1D-ND	5.50	115.57	110.13
13	cA	830	CLA	CMD-C2D-C1D	5.50	134.41	124.73
13	aA	803	CLA	C2D-C1D-ND	5.50	115.57	110.13
13	bA	804	CLA	C2C-C1C-NC	5.50	115.75	109.98
13	aA	816	CLA	C3B-C2B-C1B	-5.50	100.69	107.17
13	cA	827	CLA	C4A-NA-C1A	-5.49	104.17	106.68
13	dA	835	CLA	C2B-C1B-NB	5.49	116.02	110.33
13	aA	830	CLA	CMD-C2D-C1D	5.49	134.40	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	819	CLA	O2D-CGD-CBD	5.49	120.83	111.23
13	bB	807	CLA	C4A-NA-C1A	-5.49	104.17	106.68
13	bA	836	CLA	CHD-C4C-C3C	-5.49	116.77	124.77
13	cA	815	CLA	C2D-C1D-ND	5.49	115.56	110.13
13	bB	819	CLA	O2D-CGD-CBD	5.49	120.82	111.23
13	bF	204	CLA	C2C-C1C-NC	5.49	115.75	109.98
13	cA	835	CLA	CHD-C4C-C3C	-5.49	116.77	124.77
13	dA	836	CLA	CHD-C4C-C3C	-5.49	116.77	124.77
13	aA	810	CLA	CHD-C4C-C3C	-5.49	116.78	124.77
13	bA	831	CLA	CMD-C2D-C1D	5.49	134.39	124.73
13	dB	815	CLA	O2D-CGD-CBD	5.49	120.82	111.23
13	dF	201	CLA	CHD-C4C-C3C	-5.48	116.78	124.77
13	aA	825	CLA	O2D-CGD-CBD	5.48	120.82	111.23
13	cA	825	CLA	O2D-CGD-CBD	5.48	120.82	111.23
13	cA	812	CLA	C2B-C1B-NB	5.48	116.01	110.33
13	aA	806	CLA	C2D-C1D-ND	5.48	115.55	110.13
13	aA	804	CLA	C2B-C1B-NB	5.48	116.01	110.33
13	aB	814	CLA	C2B-C1B-NB	5.48	116.01	110.33
13	cA	804	CLA	C2B-C1B-NB	5.48	116.01	110.33
13	aA	833	CLA	C2D-C1D-ND	5.48	115.55	110.13
13	aA	827	CLA	C4A-NA-C1A	-5.48	104.18	106.68
13	cA	838	CLA	C2B-C1B-NB	5.48	116.01	110.33
13	aA	815	CLA	C2D-C1D-ND	5.48	115.55	110.13
13	bA	829	CLA	C2D-C1D-ND	5.48	115.55	110.13
13	dB	824	CLA	C3B-C2B-C1B	-5.48	100.71	107.17
13	dA	831	CLA	CMD-C2D-C1D	5.48	134.38	124.73
13	dA	826	CLA	C2D-C1D-ND	5.48	115.55	110.13
13	aA	802	CLA	CMD-C2D-C1D	5.47	134.37	124.73
13	dA	824	CLA	C4A-NA-C1A	-5.47	104.18	106.68
13	bF	201	CLA	CHD-C4C-C3C	-5.47	116.79	124.77
13	dJ	101	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
13	cA	802	CLA	CMD-C2D-C1D	5.47	134.36	124.73
13	dB	806	CLA	CHD-C4C-C3C	-5.47	116.80	124.77
13	cA	806	CLA	C2D-C1D-ND	5.47	115.54	110.13
13	bB	815	CLA	O2D-CGD-CBD	5.47	120.79	111.23
13	aA	835	CLA	CHD-C4C-C3C	-5.47	116.80	124.77
13	aB	830	CLA	C2C-C1C-NC	5.47	115.73	109.98
13	aB	801	CLA	C2C-C1C-NC	5.47	115.72	109.98
13	bJ	101	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
13	cB	805	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
13	dL	203	CLA	C3B-C2B-C1B	-5.47	100.73	107.17
12	bA	801	CL0	CBC-CAC-C3C	-5.47	105.05	112.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	817	CLA	C2B-C1B-NB	5.46	115.99	110.33
13	dA	829	CLA	C2D-C1D-ND	5.46	115.53	110.13
13	cA	802	CLA	CHD-C4C-C3C	-5.46	116.81	124.77
13	aA	838	CLA	C2B-C1B-NB	5.46	115.99	110.33
13	aJ	101	CLA	C2B-C1B-NB	5.46	115.99	110.33
13	cB	801	CLA	C2C-C1C-NC	5.46	115.72	109.98
13	cA	833	CLA	C2D-C1D-ND	5.46	115.53	110.13
13	aA	828	CLA	C2D-C1D-ND	5.46	115.53	110.13
13	cB	825	CLA	C3B-C2B-C1B	-5.46	100.73	107.17
13	dB	802	CLA	C2D-C1D-ND	5.46	115.53	110.13
13	aB	825	CLA	C3B-C2B-C1B	-5.46	100.74	107.17
13	cA	825	CLA	C2D-C1D-ND	5.46	115.53	110.13
13	aA	834	CLA	C2D-C1D-ND	5.45	115.52	110.13
13	cB	814	CLA	C2B-C1B-NB	5.45	115.98	110.33
13	aB	805	CLA	C3B-C2B-C1B	-5.45	100.74	107.17
13	cA	810	CLA	CHD-C4C-C3C	-5.45	116.83	124.77
13	bA	835	CLA	C2D-C1D-ND	5.45	115.52	110.13
13	bA	804	CLA	O2D-CGD-CBD	5.45	120.76	111.23
13	aA	802	CLA	CHD-C4C-C3C	-5.45	116.83	124.77
13	cB	830	CLA	O2D-CGD-CBD	5.45	120.76	111.23
13	cA	828	CLA	C2D-C1D-ND	5.45	115.52	110.13
13	dA	835	CLA	C2D-C1D-ND	5.45	115.52	110.13
12	dA	801	CL0	CBC-CAC-C3C	-5.45	105.07	112.87
13	bA	824	CLA	C4A-NA-C1A	-5.44	104.19	106.68
13	dA	809	CLA	C2C-C1C-NC	5.44	115.70	109.98
13	bB	806	CLA	CHD-C4C-C3C	-5.44	116.84	124.77
13	cJ	101	CLA	C2B-C1B-NB	5.44	115.97	110.33
13	aB	806	CLA	C3B-C2B-C1B	-5.44	100.75	107.17
13	aB	830	CLA	O2D-CGD-CBD	5.44	120.74	111.23
13	aA	825	CLA	C2D-C1D-ND	5.44	115.51	110.13
13	bL	203	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
13	cB	830	CLA	C2C-C1C-NC	5.44	115.70	109.98
13	bB	802	CLA	C2D-C1D-ND	5.44	115.51	110.13
13	dA	804	CLA	O2D-CGD-CBD	5.44	120.74	111.23
13	cB	806	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
13	dB	815	CLA	C4A-NA-C1A	-5.44	104.20	106.68
13	aA	827	CLA	C2B-C1B-NB	5.44	115.97	110.33
13	dA	836	CLA	C2D-C1D-ND	5.44	115.51	110.13
13	cB	818	CLA	C2B-C1B-NB	5.44	115.96	110.33
13	cA	827	CLA	C2B-C1B-NB	5.44	115.96	110.33
13	dB	822	CLA	C2B-C1B-NB	5.43	115.96	110.33
13	cB	813	CLA	C2D-C1D-ND	5.43	115.50	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	829	CLA	C3B-C2B-C1B	-5.43	100.77	107.17
13	aB	813	CLA	C2D-C1D-ND	5.43	115.50	110.13
13	cA	817	CLA	CHD-C4C-C3C	-5.43	116.86	124.77
13	cA	826	CLA	CMD-C2D-C1D	5.43	134.29	124.73
13	bA	821	CLA	C2C-C1C-NC	5.43	115.69	109.98
13	bA	817	CLA	C2B-C1B-NB	5.43	115.96	110.33
13	bB	822	CLA	C2B-C1B-NB	5.43	115.96	110.33
13	dB	812	CLA	C2B-C1B-NB	5.43	115.95	110.33
13	aA	826	CLA	CMD-C2D-C1D	5.43	134.29	124.73
13	dA	815	CLA	C2B-C1B-NB	5.43	115.95	110.33
13	bA	815	CLA	C2B-C1B-NB	5.43	115.95	110.33
13	aA	817	CLA	CHD-C4C-C3C	-5.42	116.86	124.77
13	bB	819	CLA	C2D-C1D-ND	5.42	115.49	110.13
13	dB	819	CLA	C2D-C1D-ND	5.42	115.49	110.13
13	bA	826	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
13	aA	829	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
13	dA	840	CLA	C2C-C1C-NC	5.42	115.68	109.98
13	dA	821	CLA	C2C-C1C-NC	5.42	115.67	109.98
13	bA	836	CLA	C2D-C1D-ND	5.42	115.49	110.13
13	cA	822	CLA	C2B-C1B-NB	5.42	115.95	110.33
13	cA	843	CLA	C2B-C1B-NB	5.42	115.94	110.33
13	cA	834	CLA	C2D-C1D-ND	5.42	115.49	110.13
13	aB	815	CLA	CHD-C4C-C3C	-5.41	116.88	124.77
13	dB	831	CLA	C2D-C1D-ND	5.41	115.48	110.13
13	dA	813	CLA	C2D-C1D-ND	5.41	115.48	110.13
13	bB	821	CLA	C3B-C2B-C1B	-5.41	100.79	107.17
13	bB	826	CLA	CHD-C4C-C3C	-5.41	116.89	124.77
13	bB	812	CLA	C2B-C1B-NB	5.41	115.93	110.33
13	dB	828	CLA	CHD-C4C-C3C	-5.41	116.89	124.77
13	aB	812	CLA	CHD-C4C-C3C	-5.41	116.89	124.77
13	dB	822	CLA	CHD-C4C-C3C	-5.40	116.89	124.77
13	cB	812	CLA	CHD-C4C-C3C	-5.40	116.89	124.77
13	aA	838	CLA	C2C-C1C-NC	5.40	115.66	109.98
13	cB	825	CLA	C2B-C1B-NB	5.40	115.93	110.33
13	aB	803	CLA	C3B-C2B-C1B	-5.40	100.80	107.17
13	aA	822	CLA	C2B-C1B-NB	5.40	115.93	110.33
13	cA	838	CLA	C2C-C1C-NC	5.40	115.66	109.98
13	bA	840	CLA	C2C-C1C-NC	5.40	115.65	109.98
13	aB	825	CLA	C2B-C1B-NB	5.40	115.92	110.33
13	cB	815	CLA	CHD-C4C-C3C	-5.40	116.90	124.77
13	dB	821	CLA	C3B-C2B-C1B	-5.40	100.81	107.17
13	cB	822	CLA	C3B-C2B-C1B	-5.40	100.81	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	832	CLA	C2D-C1D-ND	5.40	115.47	110.13
13	bB	815	CLA	C4A-NA-C1A	-5.39	104.22	106.68
13	cA	822	CLA	CHD-C4C-C3C	-5.39	116.91	124.77
13	cA	804	CLA	O2D-CGD-CBD	5.39	120.66	111.23
13	dA	826	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
13	aA	822	CLA	CHD-C4C-C3C	-5.39	116.91	124.77
13	bB	828	CLA	CHD-C4C-C3C	-5.39	116.91	124.77
13	aB	827	CLA	C4A-NA-C1A	-5.39	104.22	106.68
13	bA	808	CLA	CHD-C4C-C3C	-5.39	116.92	124.77
13	dA	806	CLA	CHD-C4C-C3C	-5.39	116.92	124.77
13	dB	826	CLA	CHD-C4C-C3C	-5.39	116.92	124.77
13	aB	818	CLA	C2B-C1B-NB	5.39	115.91	110.33
13	bA	806	CLA	CHD-C4C-C3C	-5.39	116.92	124.77
13	cA	840	CLA	C2D-C1D-ND	5.39	115.46	110.13
13	bB	822	CLA	CHD-C4C-C3C	-5.39	116.92	124.77
13	bA	813	CLA	C2D-C1D-ND	5.38	115.45	110.13
13	cB	803	CLA	C3B-C2B-C1B	-5.38	100.82	107.17
13	cK	201	CLA	C3B-C2B-C1B	-5.38	100.82	107.17
13	aA	843	CLA	C2B-C1B-NB	5.38	115.91	110.33
13	aK	201	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
13	cB	825	CLA	CHD-C4C-C3C	-5.38	116.93	124.77
13	aB	825	CLA	CHD-C4C-C3C	-5.38	116.93	124.77
13	bB	831	CLA	C2D-C1D-ND	5.38	115.45	110.13
13	bF	201	CLA	C2B-C1B-NB	5.38	115.90	110.33
13	aA	814	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
13	aA	804	CLA	O2D-CGD-CBD	5.37	120.62	111.23
13	bB	802	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
13	dL	202	CLA	CMD-C2D-C1D	5.37	134.18	124.73
13	dB	802	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
13	bB	803	CLA	CBA-CAA-C2A	5.37	129.77	113.79
13	cA	837	CLA	C2B-C1B-NB	5.37	115.89	110.33
13	dA	808	CLA	CHD-C4C-C3C	-5.37	116.95	124.77
13	dA	838	CLA	CHD-C4C-C3C	-5.37	116.95	124.77
13	cA	814	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
13	dA	839	CLA	C2C-C1C-NC	5.37	115.62	109.98
13	dB	829	CLA	O2D-CGD-CBD	5.37	120.61	111.23
13	dB	803	CLA	CBA-CAA-C2A	5.36	129.75	113.79
13	bA	839	CLA	C2C-C1C-NC	5.36	115.61	109.98
13	bA	802	CLA	C2D-C1D-ND	5.36	115.43	110.13
13	bL	202	CLA	CMD-C2D-C1D	5.36	134.17	124.73
13	aB	807	CLA	C2D-C1D-ND	5.36	115.43	110.13
13	bF	204	CLA	CHD-C4C-C3C	-5.36	116.96	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	829	CLA	O2D-CGD-CBD	5.36	120.60	111.23
13	bA	840	CLA	C2B-C1B-NB	5.36	115.88	110.33
13	dF	201	CLA	C2B-C1B-NB	5.36	115.88	110.33
13	cB	816	CLA	C2D-C1D-ND	5.36	115.43	110.13
13	aK	203	CLA	C2B-C1B-NB	5.35	115.88	110.33
13	cK	203	CLA	C2B-C1B-NB	5.35	115.88	110.33
13	aB	822	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
13	cB	807	CLA	C2D-C1D-ND	5.35	115.42	110.13
13	aA	841	CLA	C2B-C1B-NB	5.35	115.88	110.33
13	dA	835	CLA	CHD-C4C-C3C	-5.35	116.97	124.77
13	bA	812	CLA	C2B-C1B-NB	5.35	115.88	110.33
13	cA	825	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
13	aA	840	CLA	C2D-C1D-ND	5.35	115.42	110.13
13	aB	822	CLA	CHD-C4C-C3C	-5.35	116.97	124.77
13	bA	838	CLA	CHD-C4C-C3C	-5.35	116.97	124.77
13	cA	832	CLA	C2D-C1D-ND	5.35	115.42	110.13
13	cA	841	CLA	C2B-C1B-NB	5.35	115.87	110.33
13	dA	812	CLA	C2B-C1B-NB	5.35	115.87	110.33
13	bA	827	CLA	C3B-C2B-C1B	-5.35	100.87	107.17
13	bA	831	CLA	CHD-C4C-C3C	-5.35	116.98	124.77
13	bB	830	CLA	C2C-C1C-NC	5.34	115.59	109.98
13	cA	819	CLA	C4A-NA-C1A	-5.34	104.24	106.68
13	bA	835	CLA	CHD-C4C-C3C	-5.34	116.98	124.77
13	dA	812	CLA	C2D-C1D-ND	5.34	115.41	110.13
13	dF	204	CLA	CHD-C4C-C3C	-5.34	116.99	124.77
13	bA	834	CLA	C3B-C2B-C1B	-5.34	100.87	107.17
13	bJ	101	CLA	O2D-CGD-CBD	5.34	120.56	111.23
13	dA	827	CLA	C3B-C2B-C1B	-5.34	100.88	107.17
13	aL	202	CLA	C2B-C1B-NB	5.34	115.86	110.33
13	bB	817	CLA	C3B-C2B-C1B	-5.34	100.88	107.17
13	dA	830	CLA	C3B-C2B-C1B	-5.34	100.88	107.17
13	bA	813	CLA	CHD-C4C-C3C	-5.34	116.99	124.77
13	dA	834	CLA	C3B-C2B-C1B	-5.34	100.88	107.17
13	dA	825	CLA	C4A-NA-C1A	-5.34	104.24	106.68
13	bA	812	CLA	C2D-C1D-ND	5.34	115.41	110.13
13	dA	802	CLA	C2D-C1D-ND	5.34	115.41	110.13
13	cB	822	CLA	CHD-C4C-C3C	-5.34	116.99	124.77
13	dA	831	CLA	CHD-C4C-C3C	-5.34	116.99	124.77
13	aB	821	CLA	O2D-CGD-CBD	5.33	120.56	111.23
13	cB	813	CLA	CHD-C4C-C3C	-5.33	117.00	124.77
13	cB	821	CLA	O2D-CGD-CBD	5.33	120.55	111.23
13	cA	828	CLA	C4A-NA-C1A	-5.33	104.25	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cK	204	CLA	C2C-C1C-NC	5.33	115.58	109.98
13	dA	814	CLA	C3B-C2B-C1B	-5.33	100.89	107.17
13	aB	815	CLA	C2D-C1D-ND	5.33	115.40	110.13
13	aA	837	CLA	C2B-C1B-NB	5.33	115.85	110.33
13	dA	840	CLA	C2B-C1B-NB	5.33	115.85	110.33
13	aA	825	CLA	C3B-C2B-C1B	-5.33	100.89	107.17
13	aB	813	CLA	CHD-C4C-C3C	-5.32	117.01	124.77
13	cL	202	CLA	C2B-C1B-NB	5.32	115.85	110.33
13	bA	814	CLA	C3B-C2B-C1B	-5.32	100.89	107.17
13	bA	825	CLA	C4A-NA-C1A	-5.32	104.25	106.68
13	aA	840	CLA	CHD-C4C-C3C	-5.32	117.01	124.77
13	aA	825	CLA	CHD-C4C-C3C	-5.32	117.01	124.77
13	aK	204	CLA	C2C-C1C-NC	5.32	115.57	109.98
13	cJ	101	CLA	CHD-C4C-C3C	-5.32	117.02	124.77
13	dA	813	CLA	CHD-C4C-C3C	-5.32	117.02	124.77
13	cA	825	CLA	CHD-C4C-C3C	-5.32	117.02	124.77
13	dB	812	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
13	cA	840	CLA	CHD-C4C-C3C	-5.32	117.02	124.77
13	dJ	101	CLA	O2D-CGD-CBD	5.32	120.52	111.23
13	dB	817	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
13	cF	204	CLA	C2D-C1D-ND	5.31	115.39	110.13
13	aB	816	CLA	C2D-C1D-ND	5.31	115.39	110.13
13	dB	830	CLA	C2C-C1C-NC	5.31	115.56	109.98
13	dB	811	CLA	CHD-C4C-C3C	-5.31	117.03	124.77
13	dB	821	CLA	CAC-C3C-C4C	5.31	131.70	124.79
13	bA	830	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
13	bB	816	CLA	C2C-C1C-NC	5.31	115.56	109.98
13	cL	203	CLA	CHD-C4C-C3C	-5.31	117.03	124.77
13	dA	842	CLA	C2B-C1B-NB	5.31	115.83	110.33
13	aB	834	CLA	CHD-C4C-C3C	-5.31	117.03	124.77
13	cA	820	CLA	C2B-C1B-NB	5.30	115.83	110.33
13	dA	821	CLA	C2B-C1B-NB	5.30	115.83	110.33
13	aA	819	CLA	C4A-NA-C1A	-5.30	104.26	106.68
13	dB	830	CLA	O2D-CGD-CBD	5.30	120.50	111.23
13	aK	204	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
13	cB	815	CLA	C2D-C1D-ND	5.30	115.38	110.13
13	bB	812	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
13	bA	824	CLA	C2C-C1C-NC	5.30	115.55	109.98
13	bA	821	CLA	C2B-C1B-NB	5.30	115.82	110.33
13	aL	203	CLA	CHD-C4C-C3C	-5.30	117.05	124.77
13	dB	807	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
13	bB	830	CLA	O2D-CGD-CBD	5.30	120.49	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	842	CLA	C2B-C1B-NB	5.30	115.82	110.33
13	aB	828	CLA	CHD-C4C-C3C	-5.30	117.05	124.77
13	aF	204	CLA	C2D-C1D-ND	5.30	115.37	110.13
13	dA	842	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
13	aB	825	CLA	C4A-NA-C1A	-5.30	104.26	106.68
13	dA	832	CLA	CMD-C2D-C1D	5.30	134.05	124.73
13	dB	808	CLA	O2D-CGD-CBD	5.30	120.49	111.23
13	bA	825	CLA	CHD-C4C-C3C	-5.29	117.05	124.77
13	cK	204	CLA	C3B-C2B-C1B	-5.29	100.93	107.17
13	cA	837	CLA	C4A-NA-C1A	-5.29	104.26	106.68
13	cB	819	CLA	CHD-C4C-C3C	-5.29	117.06	124.77
13	bB	821	CLA	CAC-C3C-C4C	5.29	131.68	124.79
13	bA	832	CLA	CMD-C2D-C1D	5.29	134.05	124.73
13	bB	808	CLA	O2D-CGD-CBD	5.29	120.48	111.23
13	aA	805	CLA	C3B-C2B-C1B	-5.29	100.93	107.17
13	bA	814	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
13	bA	842	CLA	C3B-C2B-C1B	-5.29	100.93	107.17
13	cB	834	CLA	CHD-C4C-C3C	-5.29	117.06	124.77
13	bB	813	CLA	C3B-C2B-C1B	-5.29	100.94	107.17
13	bA	815	CLA	CHD-C4C-C3C	-5.29	117.06	124.77
13	bB	807	CLA	C3B-C2B-C1B	-5.29	100.94	107.17
13	cB	828	CLA	CHD-C4C-C3C	-5.29	117.06	124.77
13	dB	816	CLA	C2C-C1C-NC	5.29	115.53	109.98
13	cA	822	CLA	C4A-NA-C1A	-5.28	104.27	106.68
13	cB	825	CLA	C4A-NA-C1A	-5.28	104.27	106.68
13	aB	819	CLA	CHD-C4C-C3C	-5.28	117.07	124.77
13	bB	811	CLA	CHD-C4C-C3C	-5.28	117.07	124.77
13	cA	805	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
13	aA	822	CLA	C4A-NA-C1A	-5.28	104.27	106.68
13	dA	825	CLA	CHD-C4C-C3C	-5.28	117.07	124.77
13	aB	817	CLA	C2B-C1B-NB	5.28	115.80	110.33
13	dB	803	CLA	CMD-C2D-C1D	5.28	134.03	124.73
13	aJ	101	CLA	CHD-C4C-C3C	-5.28	117.08	124.77
13	dA	819	CLA	CHD-C4C-C3C	-5.28	117.08	124.77
13	dA	832	CLA	C3B-C2B-C1B	-5.28	100.95	107.17
13	dA	818	CLA	O2D-CGD-CBD	5.28	120.46	111.23
13	bA	818	CLA	O2D-CGD-CBD	5.28	120.46	111.23
13	aA	815	CLA	CHD-C4C-C3C	-5.28	117.08	124.77
13	cA	822	CLA	C2D-C1D-ND	5.28	115.35	110.13
13	cF	204	CLA	O2D-CGD-CBD	5.28	120.46	111.23
13	cB	824	CLA	C4A-NA-C1A	-5.28	104.27	106.68
13	dA	839	CLA	C4A-NA-C1A	-5.28	104.27	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	819	CLA	CHD-C4C-C3C	-5.28	117.08	124.77
13	dA	824	CLA	C2C-C1C-NC	5.28	115.52	109.98
13	aB	816	CLA	C3B-C2B-C1B	-5.28	100.95	107.17
13	dA	815	CLA	CHD-C4C-C3C	-5.27	117.08	124.77
13	dB	813	CLA	C3B-C2B-C1B	-5.27	100.95	107.17
13	bA	839	CLA	C4A-NA-C1A	-5.27	104.27	106.68
13	cA	815	CLA	CHD-C4C-C3C	-5.27	117.09	124.77
13	bA	819	CLA	CHD-C4C-C3C	-5.27	117.09	124.77
13	aA	837	CLA	C4A-NA-C1A	-5.27	104.28	106.68
13	bB	819	CLA	CHD-C4C-C3C	-5.27	117.09	124.77
13	cA	838	CLA	CHD-C4C-C3C	-5.27	117.09	124.77
13	bB	803	CLA	CMD-C2D-C1D	5.27	134.00	124.73
13	bA	832	CLA	C3B-C2B-C1B	-5.27	100.96	107.17
13	dJ	101	CLA	C4A-NA-C1A	-5.26	104.28	106.68
13	dA	814	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
13	dB	815	CLA	C2C-C1C-NC	5.26	115.51	109.98
13	bB	827	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
13	aF	204	CLA	O2D-CGD-CBD	5.26	120.43	111.23
13	aA	820	CLA	C2B-C1B-NB	5.26	115.78	110.33
13	dA	832	CLA	C2B-C1B-NB	5.26	115.78	110.33
13	cF	201	CLA	C2D-C1D-ND	5.26	115.33	110.13
13	cB	828	CLA	C2C-C1C-NC	5.26	115.50	109.98
13	aB	832	CLA	O2D-CGD-CBD	5.25	120.42	111.23
13	dB	806	CLA	O2D-CGD-CBD	5.25	120.41	111.23
13	aF	201	CLA	C2D-C1D-ND	5.25	115.33	110.13
13	aB	828	CLA	C2C-C1C-NC	5.25	115.50	109.98
13	aB	829	CLA	C2B-C1B-NB	5.25	115.77	110.33
13	cB	821	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
13	bB	806	CLA	O2D-CGD-CBD	5.25	120.41	111.23
13	bA	832	CLA	C2B-C1B-NB	5.25	115.77	110.33
13	cB	829	CLA	C2B-C1B-NB	5.25	115.77	110.33
13	aA	838	CLA	CHD-C4C-C3C	-5.25	117.12	124.77
13	dB	827	CLA	C3B-C2B-C1B	-5.25	100.99	107.17
13	cB	816	CLA	C3B-C2B-C1B	-5.24	100.99	107.17
13	bB	804	CLA	C3B-C2B-C1B	-5.24	100.99	107.17
13	dB	804	CLA	C3B-C2B-C1B	-5.24	100.99	107.17
13	dA	831	CLA	C2C-C1C-NC	5.24	115.49	109.98
13	bB	831	CLA	C2C-C1C-NC	5.24	115.48	109.98
13	dB	831	CLA	C2C-C1C-NC	5.24	115.48	109.98
13	cB	817	CLA	C2B-C1B-NB	5.24	115.76	110.33
13	bB	815	CLA	C2C-C1C-NC	5.24	115.48	109.98
13	cB	820	CLA	C4A-NA-C1A	-5.24	104.29	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	820	CLA	C2D-C1D-ND	5.23	115.31	110.13
13	aA	802	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
13	dB	817	CLA	O2D-CGD-CBD	5.23	120.38	111.23
13	bB	817	CLA	O2D-CGD-CBD	5.23	120.38	111.23
13	aB	832	CLA	C4A-NA-C1A	-5.23	104.29	106.68
13	aL	202	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
13	aB	810	CLA	C2C-C1C-NC	5.23	115.48	109.98
13	aB	821	CLA	C3D-C2D-C1D	-5.23	98.69	105.83
13	dB	828	CLA	C2B-C1B-NB	5.23	115.75	110.33
13	aA	822	CLA	C2D-C1D-ND	5.23	115.30	110.13
13	cB	810	CLA	C2C-C1C-NC	5.23	115.47	109.98
13	bA	831	CLA	C2C-C1C-NC	5.23	115.47	109.98
13	bB	828	CLA	C2B-C1B-NB	5.23	115.75	110.33
13	cA	833	CLA	C2B-C1B-NB	5.23	115.75	110.33
13	cA	836	CLA	CHD-C4C-C3C	-5.23	117.15	124.77
13	cB	827	CLA	C4A-NA-C1A	-5.23	104.29	106.68
13	dB	820	CLA	C2B-C1B-NB	5.23	115.75	110.33
13	aA	833	CLA	C2B-C1B-NB	5.23	115.75	110.33
13	cA	817	CLA	C2B-C1B-NB	5.23	115.75	110.33
13	aA	811	CLA	C2C-C1C-NC	5.22	115.47	109.98
13	cB	832	CLA	O2D-CGD-CBD	5.22	120.36	111.23
13	cA	802	CLA	C3B-C2B-C1B	-5.22	101.01	107.17
13	bB	816	CLA	CHD-C4C-C3C	-5.22	117.16	124.77
13	bB	820	CLA	C2B-C1B-NB	5.22	115.74	110.33
13	dB	813	CLA	CHD-C4C-C3C	-5.22	117.16	124.77
13	bB	813	CLA	CHD-C4C-C3C	-5.22	117.16	124.77
13	aA	836	CLA	CHD-C4C-C3C	-5.22	117.16	124.77
13	dB	816	CLA	CHD-C4C-C3C	-5.22	117.17	124.77
13	dB	830	CLA	C2B-C1B-NB	5.22	115.74	110.33
13	aA	806	CLA	C3B-C2B-C1B	-5.22	101.02	107.17
13	bA	824	CLA	C2B-C1B-NB	5.22	115.74	110.33
13	dA	824	CLA	C2B-C1B-NB	5.22	115.74	110.33
13	cL	202	CLA	C3B-C2B-C1B	-5.22	101.02	107.17
13	aL	203	CLA	C2B-C1B-NB	5.21	115.73	110.33
13	dF	201	CLA	C2C-C1C-NC	5.21	115.46	109.98
13	aA	828	CLA	C4A-NA-C1A	-5.21	104.30	106.68
13	cF	204	CLA	C3B-C2B-C1B	-5.21	101.02	107.17
13	aA	817	CLA	C2B-C1B-NB	5.21	115.73	110.33
13	bB	832	CLA	CHD-C4C-C3C	-5.21	117.17	124.77
13	aB	805	CLA	CAC-C3C-C4C	5.21	131.57	124.79
13	aF	204	CLA	C3B-C2B-C1B	-5.21	101.02	107.17
13	aB	820	CLA	C4A-NA-C1A	-5.21	104.30	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	830	CLA	C2B-C1B-NB	5.21	115.73	110.33
13	dA	808	CLA	C3B-C2B-C1B	-5.21	101.03	107.17
13	bB	827	CLA	CHD-C4C-C3C	-5.21	117.18	124.77
13	cB	814	CLA	CHD-C4C-C3C	-5.21	117.18	124.77
13	dB	827	CLA	CHD-C4C-C3C	-5.21	117.18	124.77
13	dA	820	CLA	C2D-C1D-ND	5.21	115.28	110.13
13	cA	836	CLA	C2C-C1C-NC	5.21	115.45	109.98
13	bF	201	CLA	C2C-C1C-NC	5.20	115.45	109.98
13	aB	814	CLA	CHD-C4C-C3C	-5.20	117.19	124.77
13	cK	204	CLA	CHD-C4C-C3C	-5.20	117.19	124.77
13	bA	809	CLA	CMD-C2D-C1D	5.20	133.89	124.73
13	bA	808	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
13	cA	811	CLA	C2C-C1C-NC	5.20	115.45	109.98
13	aK	204	CLA	CHD-C4C-C3C	-5.20	117.19	124.77
13	aB	830	CLA	C2B-C1B-NB	5.20	115.72	110.33
13	cA	806	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
13	dB	830	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
13	cA	810	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
13	aA	836	CLA	C2C-C1C-NC	5.20	115.44	109.98
13	cL	203	CLA	C2B-C1B-NB	5.20	115.72	110.33
13	cB	805	CLA	CAC-C3C-C4C	5.20	131.55	124.79
13	dB	822	CLA	C2D-C1D-ND	5.19	115.27	110.13
13	aA	827	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
13	dB	829	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
13	cA	823	CLA	CMD-C2D-C1D	5.19	133.87	124.73
13	bA	804	CLA	C2B-C1B-NB	5.19	115.71	110.33
13	aA	810	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
13	bB	820	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
13	dB	832	CLA	CHD-C4C-C3C	-5.19	117.21	124.77
13	dB	816	CLA	C2B-C1B-NB	5.19	115.71	110.33
13	bB	829	CLA	C3B-C2B-C1B	-5.19	101.06	107.17
13	cF	201	CLA	CHD-C4C-C3C	-5.19	117.21	124.77
13	bB	816	CLA	C2B-C1B-NB	5.18	115.70	110.33
13	bB	819	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
13	cA	838	CLA	C2D-C1D-ND	5.18	115.26	110.13
13	bB	822	CLA	C2D-C1D-ND	5.18	115.26	110.13
13	aB	824	CLA	C4A-NA-C1A	-5.18	104.31	106.68
13	aF	201	CLA	CHD-C4C-C3C	-5.18	117.22	124.77
13	dA	809	CLA	CMD-C2D-C1D	5.18	133.85	124.73
13	dB	820	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
13	bB	824	CLA	C2B-C1B-NB	5.18	115.70	110.33
13	bB	830	CLA	C2B-C1B-NB	5.18	115.70	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	807	CLA	C2B-C1B-NB	5.18	115.70	110.33
13	dB	819	CLA	C3B-C2B-C1B	-5.18	101.07	107.17
13	dB	807	CLA	C2B-C1B-NB	5.18	115.69	110.33
13	aA	823	CLA	CMD-C2D-C1D	5.18	133.84	124.73
13	bB	830	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
13	cA	827	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
13	aB	832	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
13	bB	811	CLA	C2B-C1B-NB	5.17	115.69	110.33
12	dA	801	CL0	CHA-C1A-C2A	-5.17	121.16	133.31
13	aB	820	CLA	CHD-C4C-C3C	-5.17	117.23	124.77
13	dA	802	CLA	CAA-C2A-C3A	-5.17	99.03	113.00
13	dB	826	CLA	CMB-C2B-C1B	5.17	133.29	125.42
13	aA	812	CLA	C3B-C2B-C1B	-5.17	101.08	107.17
13	bA	802	CLA	CAA-C2A-C3A	-5.17	99.04	113.00
13	dL	203	CLA	C4A-NA-C1A	-5.17	104.32	106.68
12	bA	801	CL0	CHA-C1A-C2A	-5.17	121.18	133.31
13	cA	803	CLA	CMD-C2D-C1D	5.16	133.82	124.73
13	cA	812	CLA	C3B-C2B-C1B	-5.16	101.08	107.17
13	dB	824	CLA	C2B-C1B-NB	5.16	115.68	110.33
13	cB	815	CLA	C2B-C1B-NB	5.16	115.68	110.33
13	bA	810	CLA	C3B-C2B-C1B	-5.16	101.08	107.17
13	aA	829	CLA	C4A-NA-C1A	-5.16	104.32	106.68
13	dB	826	CLA	C2B-C1B-NB	5.16	115.68	110.33
13	aB	807	CLA	C2B-C1B-NB	5.16	115.67	110.33
13	aA	810	CLA	C2C-C1C-NC	5.16	115.40	109.98
13	dA	810	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
13	aB	814	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
13	cB	820	CLA	CHD-C4C-C3C	-5.16	117.26	124.77
13	cB	832	CLA	C4A-NA-C1A	-5.16	104.33	106.68
13	aA	803	CLA	CMD-C2D-C1D	5.15	133.81	124.73
13	bJ	101	CLA	C4A-NA-C1A	-5.15	104.33	106.68
13	dL	203	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
13	dA	804	CLA	C2B-C1B-NB	5.15	115.67	110.33
13	aB	811	CLA	O2D-CGD-CBD	5.15	120.24	111.23
13	cA	834	CLA	C2C-C1C-NC	5.15	115.39	109.98
13	bB	826	CLA	CMB-C2B-C1B	5.15	133.26	125.42
13	aA	838	CLA	C2D-C1D-ND	5.15	115.22	110.13
13	bB	817	CLA	C2C-C1C-NC	5.15	115.39	109.98
13	aB	827	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
13	aA	812	CLA	CHD-C4C-C3C	-5.15	117.27	124.77
13	bB	821	CLA	O2D-CGD-CBD	5.15	120.23	111.23
13	cB	814	CLA	C3B-C2B-C1B	-5.15	101.10	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	832	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
13	aB	815	CLA	C2B-C1B-NB	5.15	115.66	110.33
13	bL	203	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
13	cA	812	CLA	CHD-C4C-C3C	-5.14	117.28	124.77
13	dB	817	CLA	C2C-C1C-NC	5.14	115.38	109.98
13	cB	827	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
13	cL	203	CLA	O2D-CGD-CBD	5.14	120.22	111.23
13	cA	823	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
13	cA	810	CLA	C2C-C1C-NC	5.14	115.38	109.98
13	bB	827	CLA	C2C-C1C-NC	5.14	115.38	109.98
13	aA	834	CLA	C2C-C1C-NC	5.14	115.38	109.98
13	dA	808	CLA	O2D-CGD-CBD	5.14	120.21	111.23
13	dB	811	CLA	C2B-C1B-NB	5.14	115.65	110.33
13	cB	811	CLA	O2D-CGD-CBD	5.13	120.20	111.23
13	dA	818	CLA	C2C-C1C-NC	5.13	115.37	109.98
13	bA	839	CLA	CHD-C4C-C3C	-5.13	117.29	124.77
13	bB	826	CLA	C2B-C1B-NB	5.13	115.65	110.33
13	aL	202	CLA	C2C-C1C-NC	5.13	115.37	109.98
13	dA	812	CLA	C2C-C1C-NC	5.13	115.37	109.98
13	dB	821	CLA	O2D-CGD-CBD	5.13	120.20	111.23
13	cB	820	CLA	CAA-C2A-C3A	-5.13	99.14	113.00
13	aB	820	CLA	CAA-C2A-C3A	-5.13	99.14	113.00
13	aA	829	CLA	O2D-CGD-CBD	5.13	120.19	111.23
13	aL	203	CLA	O2D-CGD-CBD	5.13	120.19	111.23
13	bA	844	CLA	C2B-C1B-NB	5.13	115.64	110.33
13	bB	807	CLA	C2B-C1B-NB	5.13	115.64	110.33
13	cB	808	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
13	cA	832	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
13	cB	815	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
13	bA	808	CLA	O2D-CGD-CBD	5.13	120.19	111.23
13	aB	832	CLA	C3D-C2D-C1D	-5.13	98.84	105.83
13	aA	841	CLA	C3B-C2B-C1B	-5.13	101.13	107.17
13	aB	815	CLA	C3B-C2B-C1B	-5.13	101.13	107.17
13	cB	833	CLA	C3B-C2B-C1B	-5.12	101.13	107.17
13	bA	812	CLA	C2C-C1C-NC	5.12	115.36	109.98
13	aA	823	CLA	C3B-C2B-C1B	-5.12	101.13	107.17
13	cA	829	CLA	O2D-CGD-CBD	5.12	120.19	111.23
13	dA	810	CLA	C2B-C1B-NB	5.12	115.64	110.33
13	dB	827	CLA	C2C-C1C-NC	5.12	115.36	109.98
13	aA	841	CLA	CHD-C4C-C3C	-5.12	117.31	124.77
13	aB	815	CLA	O2D-CGD-CBD	5.12	120.18	111.23
13	bA	826	CLA	CMD-C2D-C1D	5.12	133.74	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	824	CLA	C2C-C1C-NC	5.12	115.36	109.98
13	aB	833	CLA	C3B-C2B-C1B	-5.12	101.14	107.17
13	aB	816	CLA	CHD-C4C-C3C	-5.12	117.31	124.77
13	aB	808	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
13	cA	841	CLA	CHD-C4C-C3C	-5.12	117.31	124.77
13	dB	831	CLA	CHD-C4C-C3C	-5.12	117.31	124.77
13	cA	841	CLA	C3B-C2B-C1B	-5.11	101.14	107.17
13	aA	824	CLA	C3B-C2B-C1B	-5.11	101.14	107.17
13	bA	820	CLA	C2B-C1B-NB	5.11	115.63	110.33
13	dA	818	CLA	C2B-C1B-NB	5.11	115.63	110.33
13	dB	814	CLA	C2B-C1B-NB	5.11	115.62	110.33
13	cB	832	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
13	bB	814	CLA	C2B-C1B-NB	5.11	115.62	110.33
13	dA	826	CLA	CMD-C2D-C1D	5.11	133.72	124.73
13	bA	818	CLA	C2C-C1C-NC	5.11	115.35	109.98
13	aA	819	CLA	C2D-C1D-ND	5.11	115.18	110.13
13	aF	204	CLA	CHD-C4C-C3C	-5.11	117.33	124.77
13	cB	819	CLA	C2C-C1C-NC	5.11	115.34	109.98
13	dA	834	CLA	C4A-NA-C1A	-5.10	104.35	106.68
13	aB	824	CLA	C2C-C1C-NC	5.10	115.34	109.98
13	dA	802	CLA	C2C-C1C-NC	5.10	115.34	109.98
13	cB	815	CLA	O2D-CGD-CBD	5.10	120.15	111.23
13	dA	811	CLA	C2B-C1B-NB	5.10	115.62	110.33
13	cL	202	CLA	C2C-C1C-NC	5.10	115.34	109.98
13	bA	810	CLA	C2B-C1B-NB	5.10	115.61	110.33
13	bB	831	CLA	CHD-C4C-C3C	-5.10	117.34	124.77
13	cA	829	CLA	C4A-NA-C1A	-5.10	104.35	106.68
13	dA	820	CLA	C2B-C1B-NB	5.10	115.61	110.33
13	bA	805	CLA	C3B-C2B-C1B	-5.10	101.16	107.17
13	dB	831	CLA	C2B-C1B-NB	5.10	115.61	110.33
13	aA	832	CLA	C3B-C2B-C1B	-5.10	101.16	107.17
13	dA	844	CLA	C2B-C1B-NB	5.10	115.61	110.33
13	bA	826	CLA	C2C-C1C-NC	5.09	115.33	109.98
13	dA	839	CLA	CHD-C4C-C3C	-5.09	117.34	124.77
13	bA	811	CLA	C2B-C1B-NB	5.09	115.61	110.33
13	dB	828	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
13	bB	828	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
13	cB	816	CLA	CHD-C4C-C3C	-5.09	117.35	124.77
13	cB	818	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
13	dA	805	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
13	cA	819	CLA	C2D-C1D-ND	5.09	115.16	110.13
13	cL	202	CLA	O2D-CGD-CBD	5.09	120.13	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	817	CLA	O2D-CGD-CBD	5.09	120.13	111.23
13	cB	808	CLA	C2B-C1B-NB	5.09	115.60	110.33
13	cA	824	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
13	aA	817	CLA	O2D-CGD-CBD	5.08	120.12	111.23
13	aL	202	CLA	O2D-CGD-CBD	5.08	120.12	111.23
13	bA	827	CLA	CAA-C2A-C3A	-5.08	99.27	113.00
13	cA	825	CLA	C4A-NA-C1A	-5.08	104.36	106.68
13	cL	203	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
13	bB	831	CLA	C2B-C1B-NB	5.08	115.59	110.33
13	bL	203	CLA	C4A-NA-C1A	-5.08	104.36	106.68
13	dA	827	CLA	CAA-C2A-C3A	-5.08	99.28	113.00
13	cF	204	CLA	CHD-C4C-C3C	-5.08	117.37	124.77
13	bA	802	CLA	C2C-C1C-NC	5.08	115.31	109.98
13	aA	825	CLA	C4A-NA-C1A	-5.08	104.36	106.68
13	cA	804	CLA	C2C-C1C-NC	5.07	115.31	109.98
13	aA	839	CLA	C2B-C1B-NB	5.07	115.59	110.33
13	dA	826	CLA	C2C-C1C-NC	5.07	115.31	109.98
13	bA	834	CLA	C4A-NA-C1A	-5.07	104.36	106.68
13	aL	203	CLA	C3B-C2B-C1B	-5.07	101.19	107.17
13	bA	839	CLA	C2D-C1D-ND	5.07	115.14	110.13
13	aA	804	CLA	C2C-C1C-NC	5.07	115.31	109.98
13	aB	808	CLA	C2B-C1B-NB	5.07	115.58	110.33
13	dA	833	CLA	C2D-C1D-ND	5.07	115.14	110.13
13	dF	204	CLA	C3B-C2B-C1B	-5.07	101.20	107.17
13	cA	839	CLA	C2B-C1B-NB	5.07	115.58	110.33
13	bB	805	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
13	aB	832	CLA	C2C-C1C-NC	5.06	115.30	109.98
13	dA	830	CLA	CHD-C4C-C3C	-5.06	117.39	124.77
13	cA	831	CLA	C2C-C1C-NC	5.06	115.30	109.98
13	aB	818	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
13	bA	830	CLA	CHD-C4C-C3C	-5.06	117.40	124.77
13	cA	809	CLA	C3B-C2B-C1B	-5.06	101.21	107.17
13	aB	823	CLA	C2C-C1C-NC	5.06	115.29	109.98
13	bA	833	CLA	C2D-C1D-ND	5.06	115.13	110.13
13	aA	809	CLA	C3B-C2B-C1B	-5.05	101.21	107.17
13	cB	832	CLA	C2C-C1C-NC	5.05	115.29	109.98
13	bA	818	CLA	C2B-C1B-NB	5.05	115.56	110.33
13	aB	803	CLA	C2C-C1C-NC	5.05	115.29	109.98
13	cB	803	CLA	C2C-C1C-NC	5.05	115.29	109.98
13	bF	204	CLA	C3B-C2B-C1B	-5.05	101.22	107.17
13	aB	819	CLA	C2C-C1C-NC	5.05	115.28	109.98
13	cA	830	CLA	C2B-C1B-NB	5.05	115.56	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	830	CLA	C2C-C1C-NC	5.05	115.28	109.98
13	cA	820	CLA	CHD-C4C-C3C	-5.05	117.41	124.77
13	cB	823	CLA	C2C-C1C-NC	5.05	115.28	109.98
13	bA	812	CLA	C3B-C2B-C1B	-5.04	101.22	107.17
13	dB	829	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
13	dA	837	CLA	C3B-C2B-C1B	-5.04	101.23	107.17
13	dB	805	CLA	C3B-C2B-C1B	-5.04	101.23	107.17
13	aA	831	CLA	C2C-C1C-NC	5.04	115.27	109.98
13	bA	820	CLA	O2D-CGD-CBD	5.04	120.03	111.23
13	bB	829	CLA	C3D-C2D-C1D	-5.04	98.96	105.83
13	aA	807	CLA	C2B-C1B-NB	5.04	115.55	110.33
13	bB	825	CLA	C3D-C2D-C1D	-5.03	98.96	105.83
13	cB	830	CLA	C3B-C2B-C1B	-5.03	101.24	107.17
13	dA	812	CLA	C3B-C2B-C1B	-5.03	101.24	107.17
13	dB	825	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
13	aA	820	CLA	CHD-C4C-C3C	-5.03	117.44	124.77
13	bA	830	CLA	C2C-C1C-NC	5.03	115.26	109.98
13	dA	820	CLA	O2D-CGD-CBD	5.03	120.02	111.23
13	bA	836	CLA	C2B-C1B-NB	5.02	115.54	110.33
13	aA	814	CLA	C3D-C2D-C1D	-5.02	98.97	105.83
13	dA	819	CLA	C2C-C1C-NC	5.02	115.26	109.98
13	aA	834	CLA	C4A-NA-C1A	-5.02	104.39	106.68
13	bA	837	CLA	C3B-C2B-C1B	-5.02	101.25	107.17
13	bA	814	CLA	C2B-C1B-NB	5.02	115.53	110.33
13	bA	821	CLA	C2D-C1D-ND	5.02	115.10	110.13
13	bA	816	CLA	C2C-C1C-NC	5.02	115.26	109.98
13	bA	819	CLA	C2C-C1C-NC	5.02	115.25	109.98
13	aJ	101	CLA	C2C-C1C-NC	5.02	115.25	109.98
13	bB	826	CLA	C2C-C1C-NC	5.02	115.25	109.98
13	cA	827	CLA	CAA-C2A-C3A	-5.02	99.44	113.00
13	bB	817	CLA	C3D-C2D-C1D	-5.02	98.98	105.83
13	cA	814	CLA	C3D-C2D-C1D	-5.02	98.98	105.83
13	aA	830	CLA	C2B-C1B-NB	5.02	115.53	110.33
13	cA	807	CLA	C2B-C1B-NB	5.02	115.53	110.33
13	cA	808	CLA	C3B-C2B-C1B	-5.02	101.26	107.17
13	dA	842	CLA	O2D-CGD-CBD	5.02	120.00	111.23
13	bF	201	CLA	C4A-NA-C1A	-5.02	104.39	106.68
13	cA	834	CLA	C4A-NA-C1A	-5.02	104.39	106.68
13	cB	834	CLA	C2D-C1D-ND	5.01	115.09	110.13
13	dA	820	CLA	CHD-C4C-C3C	-5.01	117.46	124.77
13	aB	830	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
13	dB	817	CLA	C3D-C2D-C1D	-5.01	98.99	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	834	CLA	C2D-C1D-ND	5.01	115.09	110.13
13	dA	839	CLA	C2D-C1D-ND	5.01	115.09	110.13
13	aA	827	CLA	CAA-C2A-C3A	-5.01	99.46	113.00
13	bA	842	CLA	O2D-CGD-CBD	5.01	119.99	111.23
13	cJ	101	CLA	C2C-C1C-NC	5.01	115.24	109.98
13	bA	820	CLA	CHD-C4C-C3C	-5.01	117.47	124.77
13	dA	814	CLA	C2B-C1B-NB	5.01	115.52	110.33
13	aB	812	CLA	C2B-C1B-NB	5.01	115.52	110.33
13	dA	816	CLA	C2C-C1C-NC	5.01	115.24	109.98
13	aA	808	CLA	C3B-C2B-C1B	-5.00	101.27	107.17
13	aA	842	CLA	C2B-C1B-NB	5.00	115.52	110.33
13	aA	837	CLA	C2C-C1C-NC	5.00	115.24	109.98
13	cB	803	CLA	CMB-C2B-C1B	5.00	133.03	125.42
13	cB	821	CLA	C3B-C2B-C1B	-5.00	101.28	107.17
13	cA	837	CLA	C2C-C1C-NC	5.00	115.23	109.98
13	aB	816	CLA	O2D-CGD-CBD	5.00	119.97	111.23
13	aA	823	CLA	C2B-C1B-NB	5.00	115.51	110.33
13	aA	826	CLA	C3B-C2B-C1B	-5.00	101.28	107.17
13	aB	819	CLA	C3B-C2B-C1B	-5.00	101.28	107.17
13	cB	812	CLA	C2B-C1B-NB	5.00	115.51	110.33
13	bB	820	CLA	C4A-NA-C1A	-5.00	104.40	106.68
13	cA	810	CLA	C4A-NA-C1A	-5.00	104.40	106.68
13	aB	803	CLA	CMB-C2B-C1B	5.00	133.03	125.42
13	aA	808	CLA	C2C-C1C-NC	5.00	115.23	109.98
13	bB	807	CLA	C2C-C1C-NC	5.00	115.23	109.98
13	aA	837	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
13	aA	811	CLA	O2D-CGD-CBD	4.99	119.96	111.23
13	dA	832	CLA	C2C-C1C-NC	4.99	115.23	109.98
13	aK	203	CLA	C3B-C2B-C1B	-4.99	101.28	107.17
13	dA	822	CLA	C2C-C1C-NC	4.99	115.23	109.98
13	aL	204	CLA	C4A-NA-C1A	-4.99	104.40	106.68
13	bA	835	CLA	C2C-C1C-NC	4.99	115.22	109.98
13	dB	826	CLA	C2C-C1C-NC	4.99	115.22	109.98
13	cB	816	CLA	O2D-CGD-CBD	4.99	119.96	111.23
13	bA	807	CLA	C3B-C2B-C1B	-4.99	101.29	107.17
13	aB	807	CLA	C4A-NA-C1A	-4.99	104.40	106.68
13	dB	822	CLA	C2C-C1C-NC	4.99	115.22	109.98
13	dB	804	CLA	C2B-C1B-NB	4.99	115.50	110.33
13	dA	826	CLA	O2D-CGD-CBD	4.99	119.95	111.23
13	dA	807	CLA	C3B-C2B-C1B	-4.99	101.29	107.17
13	bB	825	CLA	CHD-C4C-C3C	-4.99	117.50	124.77
13	cL	204	CLA	C4A-NA-C1A	-4.98	104.41	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	826	CLA	C3B-C2B-C1B	-4.98	101.29	107.17
13	dA	836	CLA	C2B-C1B-NB	4.98	115.49	110.33
13	bA	822	CLA	C2C-C1C-NC	4.98	115.22	109.98
13	bB	822	CLA	C2C-C1C-NC	4.98	115.22	109.98
13	aB	821	CLA	C3B-C2B-C1B	-4.98	101.30	107.17
13	dA	803	CLA	C4A-NA-C1A	-4.98	104.41	106.68
13	dF	201	CLA	C4A-NA-C1A	-4.98	104.41	106.68
13	cA	837	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
13	aB	823	CLA	C2B-C1B-NB	4.98	115.49	110.33
13	dA	835	CLA	C2C-C1C-NC	4.98	115.21	109.98
13	dA	821	CLA	C2D-C1D-ND	4.98	115.06	110.13
13	cA	811	CLA	O2D-CGD-CBD	4.98	119.94	111.23
13	aB	813	CLA	C2B-C1B-NB	4.98	115.49	110.33
13	bB	806	CLA	C2B-C1B-NB	4.98	115.49	110.33
13	cK	203	CLA	C3B-C2B-C1B	-4.98	101.30	107.17
13	cA	840	CLA	C2C-C1C-NC	4.98	115.21	109.98
13	dA	825	CLA	C2C-C1C-NC	4.98	115.21	109.98
13	aB	804	CLA	C3C-C4C-NC	4.98	116.80	110.43
13	cA	808	CLA	C2C-C1C-NC	4.97	115.21	109.98
13	bB	828	CLA	C4A-NA-C1A	-4.97	104.41	106.68
13	cA	820	CLA	C2D-C1D-ND	4.97	115.05	110.13
13	bA	815	CLA	C2D-C1D-ND	4.97	115.05	110.13
13	cB	813	CLA	C2B-C1B-NB	4.97	115.48	110.33
13	bA	817	CLA	C4A-NA-C1A	-4.97	104.41	106.68
13	bA	819	CLA	C3B-C2B-C1B	-4.97	101.31	107.17
13	cA	819	CLA	O2D-CGD-CBD	4.97	119.92	111.23
13	cB	817	CLA	C3B-C2B-C1B	-4.97	101.31	107.17
13	dA	815	CLA	C2D-C1D-ND	4.97	115.04	110.13
13	aA	840	CLA	C2C-C1C-NC	4.97	115.20	109.98
13	aF	201	CLA	C2C-C1C-NC	4.97	115.20	109.98
13	dB	806	CLA	C2C-C1C-NC	4.97	115.20	109.98
13	aA	818	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
13	aB	817	CLA	C3B-C2B-C1B	-4.97	101.32	107.17
13	cA	823	CLA	C2B-C1B-NB	4.97	115.47	110.33
13	aA	819	CLA	O2D-CGD-CBD	4.97	119.91	111.23
13	dB	828	CLA	C4A-NA-C1A	-4.96	104.41	106.68
13	aA	833	CLA	C2C-C1C-NC	4.96	115.20	109.98
13	bA	820	CLA	C2C-C1C-NC	4.96	115.20	109.98
13	bA	832	CLA	C2C-C1C-NC	4.96	115.20	109.98
13	cA	833	CLA	C2C-C1C-NC	4.96	115.20	109.98
13	cB	804	CLA	C3C-C4C-NC	4.96	116.79	110.43
13	aB	818	CLA	C4A-NA-C1A	-4.96	104.42	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	802	CLA	CMB-C2B-C1B	4.96	132.97	125.42
13	dB	807	CLA	C2C-C1C-NC	4.96	115.19	109.98
13	cA	842	CLA	C2B-C1B-NB	4.96	115.47	110.33
13	dB	802	CLA	CMB-C2B-C1B	4.96	132.97	125.42
13	cA	839	CLA	C2C-C1C-NC	4.96	115.19	109.98
13	cF	201	CLA	C2C-C1C-NC	4.96	115.19	109.98
13	bA	825	CLA	C2C-C1C-NC	4.96	115.19	109.98
13	bB	804	CLA	C2B-C1B-NB	4.96	115.47	110.33
13	dB	825	CLA	CHD-C4C-C3C	-4.96	117.54	124.77
13	aA	810	CLA	C4A-NA-C1A	-4.96	104.42	106.68
13	dB	806	CLA	C2B-C1B-NB	4.96	115.47	110.33
13	bA	840	CLA	C3B-C2B-C1B	-4.96	101.33	107.17
13	bA	826	CLA	O2D-CGD-CBD	4.96	119.89	111.23
13	dA	806	CLA	C3B-C2B-C1B	-4.96	101.33	107.17
13	dA	818	CLA	C3B-C2B-C1B	-4.96	101.33	107.17
13	dA	819	CLA	C3B-C2B-C1B	-4.96	101.33	107.17
13	cA	818	CLA	C3D-C2D-C1D	-4.95	99.07	105.83
13	cB	824	CLA	CHD-C4C-C3C	-4.95	117.55	124.77
13	cB	819	CLA	C3B-C2B-C1B	-4.95	101.33	107.17
13	bB	806	CLA	C2C-C1C-NC	4.95	115.18	109.98
13	dA	804	CLA	C3D-C2D-C1D	-4.95	99.07	105.83
13	aA	839	CLA	C2C-C1C-NC	4.95	115.18	109.98
13	bB	811	CLA	C2C-C1C-NC	4.95	115.18	109.98
13	bA	818	CLA	C3B-C2B-C1B	-4.95	101.33	107.17
13	dB	820	CLA	C4A-NA-C1A	-4.95	104.42	106.68
13	dB	805	CLA	O2D-CGD-CBD	4.95	119.88	111.23
13	dB	811	CLA	C2C-C1C-NC	4.95	115.18	109.98
13	cB	823	CLA	C2B-C1B-NB	4.95	115.45	110.33
13	cA	833	CLA	C3B-C2B-C1B	-4.94	101.34	107.17
13	cA	820	CLA	C2C-C1C-NC	4.94	115.17	109.98
13	bA	804	CLA	C3D-C2D-C1D	-4.94	99.08	105.83
13	bB	805	CLA	O2D-CGD-CBD	4.94	119.87	111.23
12	dA	801	CL0	CAA-C2A-C3A	-4.94	99.64	113.00
13	bB	832	CLA	C1C-C2C-C3C	-4.94	101.78	106.98
13	aA	820	CLA	C2D-C1D-ND	4.94	115.02	110.13
13	dB	823	CLA	CHD-C4C-C3C	-4.94	117.57	124.77
13	aA	833	CLA	C3B-C2B-C1B	-4.94	101.35	107.17
13	bA	828	CLA	C3D-C2D-C1D	-4.94	99.09	105.83
13	cA	834	CLA	C3B-C2B-C1B	-4.94	101.35	107.17
13	dA	820	CLA	C2C-C1C-NC	4.94	115.17	109.98
13	dB	832	CLA	C1C-C2C-C3C	-4.94	101.79	106.98
13	dA	817	CLA	C4A-NA-C1A	-4.94	104.43	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	813	CLA	O2D-CGD-CBD	4.94	119.86	111.23
13	bA	806	CLA	C3B-C2B-C1B	-4.94	101.35	107.17
13	bA	840	CLA	O2D-CGD-O1D	-4.94	114.24	123.85
13	dA	840	CLA	C3B-C2B-C1B	-4.94	101.35	107.17
13	dA	828	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
13	dB	809	CLA	C2B-C1B-NB	4.93	115.44	110.33
13	aB	831	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
13	bB	817	CLA	C4A-NA-C1A	-4.93	104.43	106.68
13	dA	805	CLA	CHD-C1D-ND	-4.93	117.86	124.80
13	aA	827	CLA	O2D-CGD-CBD	4.93	119.85	111.23
13	aA	802	CLA	C2D-C1D-ND	4.93	115.01	110.13
13	bA	803	CLA	C4A-NA-C1A	-4.93	104.43	106.68
13	dA	816	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
13	cA	840	CLA	C2B-C1B-NB	4.93	115.44	110.33
13	aA	834	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
13	aB	819	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
13	dA	833	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
13	bA	809	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
13	cB	833	CLA	C2C-C1C-NC	4.93	115.16	109.98
13	bB	821	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
13	bA	813	CLA	O2D-CGD-CBD	4.93	119.85	111.23
13	cB	824	CLA	C2B-C1B-NB	4.93	115.44	110.33
13	cA	827	CLA	O2D-CGD-CBD	4.93	119.84	111.23
13	aB	804	CLA	C2C-C1C-NC	4.93	115.16	109.98
13	dB	832	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
13	cL	204	CLA	C2B-C1B-NB	4.93	115.44	110.33
13	aA	842	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
12	bA	801	CL0	CAA-C2A-C3A	-4.93	99.69	113.00
13	cB	818	CLA	C4A-NA-C1A	-4.93	104.43	106.68
13	dA	809	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
13	dB	821	CLA	C3D-C2D-C1D	-4.92	99.11	105.83
13	aA	840	CLA	C2B-C1B-NB	4.92	115.43	110.33
13	dB	807	CLA	C3D-C2D-C1D	-4.92	99.11	105.83
13	bB	806	CLA	C3B-C2B-C1B	-4.92	101.36	107.17
13	aL	204	CLA	C2B-C1B-NB	4.92	115.43	110.33
13	dB	823	CLA	C2D-C1D-ND	4.92	115.00	110.13
13	bA	815	CLA	O2D-CGD-CBD	4.92	119.84	111.23
13	aB	824	CLA	C2B-C1B-NB	4.92	115.43	110.33
13	aB	824	CLA	CHD-C4C-C3C	-4.92	117.60	124.77
13	bB	832	CLA	C3D-C2D-C1D	-4.92	99.11	105.83
13	bA	805	CLA	CHD-C1D-ND	-4.92	117.88	124.80
13	bA	819	CLA	C4A-NA-C1A	-4.92	104.43	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	835	CLA	C2B-C1B-NB	4.92	115.43	110.33
13	dA	805	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
13	cA	834	CLA	C2B-C1B-NB	4.92	115.43	110.33
13	bA	816	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
13	aA	808	CLA	C2B-C1B-NB	4.92	115.43	110.33
13	dA	834	CLA	CHD-C4C-C3C	-4.92	117.60	124.77
13	dB	806	CLA	C3B-C2B-C1B	-4.92	101.37	107.17
13	cA	835	CLA	C2B-C1B-NB	4.92	115.42	110.33
13	bB	807	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
13	cF	204	CLA	C2C-C1C-NC	4.92	115.15	109.98
13	cB	831	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
13	dA	815	CLA	C2C-C1C-NC	4.92	115.14	109.98
13	cB	826	CLA	C3D-C2D-C1D	-4.91	99.12	105.83
12	cA	801	CL0	CBC-CAC-C3C	-4.91	105.84	112.87
13	cB	807	CLA	C4A-NA-C1A	-4.91	104.44	106.68
13	bB	809	CLA	C2B-C1B-NB	4.91	115.42	110.33
13	dA	840	CLA	O2D-CGD-O1D	-4.91	114.28	123.85
13	cA	809	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
13	bB	816	CLA	C3B-C2B-C1B	-4.91	101.38	107.17
13	aA	807	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
13	bA	805	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
13	cB	819	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
13	dB	817	CLA	C4A-NA-C1A	-4.91	104.44	106.68
13	aB	819	CLA	C2B-C1B-NB	4.91	115.42	110.33
13	aF	204	CLA	C2C-C1C-NC	4.91	115.14	109.98
13	aB	834	CLA	C1C-C2C-C3C	-4.91	101.82	106.98
13	aA	834	CLA	C2B-C1B-NB	4.91	115.42	110.33
13	cA	824	CLA	C2C-C1C-NC	4.91	115.14	109.98
13	aA	809	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
13	aB	813	CLA	C3B-C2B-C1B	-4.91	101.38	107.17
13	dA	815	CLA	O2D-CGD-CBD	4.91	119.81	111.23
13	bA	837	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
13	aB	815	CLA	C2C-C1C-NC	4.91	115.14	109.98
13	aB	833	CLA	C2C-C1C-NC	4.91	115.14	109.98
13	bB	818	CLA	C2C-C1C-NC	4.91	115.14	109.98
13	bB	823	CLA	C2D-C1D-ND	4.91	114.98	110.13
13	aA	820	CLA	C2C-C1C-NC	4.91	115.14	109.98
13	dA	837	CLA	C3D-C2D-C1D	-4.91	99.14	105.83
13	bA	807	CLA	C2B-C1B-NB	4.90	115.41	110.33
13	bA	834	CLA	CHD-C4C-C3C	-4.90	117.62	124.77
12	aA	801	CL0	CBC-CAC-C3C	-4.90	105.85	112.87
13	aJ	101	CLA	C3B-C2B-C1B	-4.90	101.39	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	816	CLA	C3B-C2B-C1B	-4.90	101.39	107.17
13	aB	826	CLA	C3D-C2D-C1D	-4.90	99.14	105.83
13	bA	841	CLA	C4A-NA-C1A	-4.90	104.44	106.68
13	cA	842	CLA	C3B-C2B-C1B	-4.90	101.39	107.17
13	cB	805	CLA	C2B-C1B-NB	4.90	115.41	110.33
13	cA	802	CLA	C2D-C1D-ND	4.90	114.98	110.13
13	aA	824	CLA	C2C-C1C-NC	4.90	115.13	109.98
13	bB	823	CLA	CHD-C4C-C3C	-4.90	117.63	124.77
13	bB	822	CLA	C3B-C2B-C1B	-4.90	101.39	107.17
13	dB	822	CLA	C3B-C2B-C1B	-4.90	101.39	107.17
13	cA	820	CLA	O2D-CGD-CBD	4.90	119.80	111.23
13	dB	811	CLA	O2D-CGD-CBD	4.90	119.80	111.23
13	bA	833	CLA	C3B-C2B-C1B	-4.90	101.39	107.17
13	aB	805	CLA	C2B-C1B-NB	4.90	115.41	110.33
13	cB	815	CLA	C2C-C1C-NC	4.90	115.13	109.98
13	cA	807	CLA	C3D-C2D-C1D	-4.90	99.15	105.83
13	cB	813	CLA	C3B-C2B-C1B	-4.90	101.40	107.17
13	aA	820	CLA	O2D-CGD-CBD	4.90	119.79	111.23
13	aL	204	CLA	C3D-C2D-C1D	-4.90	99.15	105.83
13	bA	815	CLA	C2C-C1C-NC	4.90	115.12	109.98
13	aA	831	CLA	C2B-C1B-NB	4.89	115.40	110.33
13	aA	830	CLA	C2C-C1C-NC	4.89	115.12	109.98
13	bB	818	CLA	C4A-NA-C1A	-4.89	104.45	106.68
13	dA	807	CLA	C2B-C1B-NB	4.89	115.40	110.33
13	bB	831	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
13	dB	816	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
13	aB	820	CLA	O2D-CGD-CBD	4.89	119.78	111.23
13	cA	806	CLA	C4A-NA-C1A	-4.89	104.45	106.68
13	bA	828	CLA	C2B-C1B-NB	4.89	115.40	110.33
13	cA	830	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
13	dA	816	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
13	aA	825	CLA	C2C-C1C-NC	4.89	115.12	109.98
13	bB	811	CLA	O2D-CGD-CBD	4.89	119.78	111.23
13	dB	818	CLA	C4A-NA-C1A	-4.89	104.45	106.68
13	dA	842	CLA	C2C-C1C-NC	4.89	115.12	109.98
13	cA	808	CLA	C2B-C1B-NB	4.89	115.40	110.33
13	cB	820	CLA	O2D-CGD-CBD	4.89	119.78	111.23
13	dB	818	CLA	C2C-C1C-NC	4.89	115.11	109.98
13	aA	808	CLA	CHD-C4C-C3C	-4.88	117.65	124.77
13	dB	831	CLA	C3B-C2B-C1B	-4.88	101.41	107.17
13	cB	834	CLA	C1C-C2C-C3C	-4.88	101.84	106.98
13	bA	823	CLA	O2D-CGD-CBD	4.88	119.77	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bL	202	CLA	C3B-C2B-C1B	-4.88	101.42	107.17
13	cJ	101	CLA	C3B-C2B-C1B	-4.88	101.42	107.17
13	aA	802	CLA	C3B-C4B-NB	4.88	114.89	110.53
13	cB	819	CLA	C2B-C1B-NB	4.88	115.39	110.33
13	cL	204	CLA	C3D-C2D-C1D	-4.88	99.17	105.83
13	aA	826	CLA	C2B-C1B-NB	4.88	115.38	110.33
13	cA	811	CLA	C3D-C2D-C1D	-4.88	99.18	105.83
13	bA	819	CLA	C2D-C1D-ND	4.88	114.95	110.13
13	aL	203	CLA	C2C-C1C-NC	4.88	115.10	109.98
13	cB	804	CLA	C2C-C1C-NC	4.88	115.10	109.98
13	dA	841	CLA	C4A-NA-C1A	-4.87	104.45	106.68
13	cA	826	CLA	C2B-C1B-NB	4.87	115.38	110.33
13	dA	842	CLA	C3D-C2D-C1D	-4.87	99.18	105.83
13	dA	823	CLA	O2D-CGD-CBD	4.87	119.75	111.23
13	cA	831	CLA	C2B-C1B-NB	4.87	115.38	110.33
13	bA	806	CLA	C2C-C1C-NC	4.87	115.10	109.98
13	bB	814	CLA	C3B-C2B-C1B	-4.87	101.43	107.17
13	aB	827	CLA	O2D-CGD-CBD	4.87	119.74	111.23
13	aB	827	CLA	C1D-CHD-C4C	-4.87	115.67	126.02
13	dB	803	CLA	C3D-C2D-C1D	-4.87	99.19	105.83
13	dA	819	CLA	C4A-NA-C1A	-4.87	104.46	106.68
13	aA	813	CLA	C3B-C2B-C1B	-4.87	101.43	107.17
13	aA	812	CLA	CHD-C1D-ND	-4.87	117.95	124.80
13	cA	808	CLA	CHD-C4C-C3C	-4.86	117.68	124.77
13	cK	203	CLA	C2C-C1C-NC	4.86	115.09	109.98
13	cB	827	CLA	C1D-CHD-C4C	-4.86	115.68	126.02
13	dA	819	CLA	C2D-C1D-ND	4.86	114.94	110.13
13	aB	804	CLA	O2D-CGD-CBD	4.86	119.73	111.23
13	cA	813	CLA	C2C-C1C-NC	4.86	115.09	109.98
13	aA	813	CLA	C2B-C1B-NB	4.86	115.37	110.33
13	aB	820	CLA	C3D-C4D-ND	4.86	117.89	109.99
13	cB	820	CLA	C3D-C4D-ND	4.86	117.89	109.99
13	aA	818	CLA	C2B-C1B-NB	4.86	115.37	110.33
13	dA	828	CLA	C2B-C1B-NB	4.86	115.37	110.33
13	cB	804	CLA	O2D-CGD-CBD	4.86	119.73	111.23
13	bA	823	CLA	C2C-C1C-NC	4.86	115.09	109.98
13	aA	806	CLA	C4A-NA-C1A	-4.86	104.46	106.68
13	dF	204	CLA	O2D-CGD-CBD	4.86	119.72	111.23
13	aA	811	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
13	aA	830	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
13	dB	814	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
13	cB	827	CLA	O2D-CGD-CBD	4.86	119.72	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	806	CLA	C2C-C1C-NC	4.86	115.08	109.98
13	aB	813	CLA	O2D-CGD-CBD	4.86	119.72	111.23
13	aA	811	CLA	C2B-C1B-NB	4.86	115.36	110.33
13	cB	801	CLA	CMD-C2D-C1D	4.86	133.28	124.73
13	dA	821	CLA	CHD-C4C-C3C	-4.85	117.70	124.77
13	cA	825	CLA	C2C-C1C-NC	4.85	115.08	109.98
13	dB	816	CLA	C3B-C4B-NB	4.85	114.86	110.53
13	cB	826	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
13	dL	202	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
13	bA	842	CLA	C2C-C1C-NC	4.85	115.08	109.98
13	bA	842	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
13	dB	811	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
13	aK	201	CLA	C2D-C1D-ND	4.85	114.92	110.13
13	bA	823	CLA	C2B-C1B-NB	4.85	115.35	110.33
13	cA	811	CLA	C2B-C1B-NB	4.85	115.35	110.33
13	cB	813	CLA	C4A-NA-C1A	-4.85	104.47	106.68
13	dB	826	CLA	CHD-C1D-ND	-4.85	117.98	124.80
13	dB	818	CLA	C3D-C2D-C1D	-4.85	99.22	105.83
13	cA	830	CLA	C2C-C1C-NC	4.84	115.07	109.98
13	bB	819	CLA	C4A-NA-C1A	-4.84	104.47	106.68
13	bA	821	CLA	CHD-C4C-C3C	-4.84	117.71	124.77
13	cA	812	CLA	CHD-C1D-ND	-4.84	117.99	124.80
13	cB	813	CLA	O2D-CGD-CBD	4.84	119.70	111.23
13	bB	824	CLA	C2C-C1C-NC	4.84	115.07	109.98
13	dB	824	CLA	C2C-C1C-NC	4.84	115.07	109.98
13	dA	823	CLA	C2B-C1B-NB	4.84	115.35	110.33
13	aK	203	CLA	C2C-C1C-NC	4.84	115.07	109.98
13	bA	824	CLA	O2D-CGD-CBD	4.84	119.69	111.23
13	cA	813	CLA	C3B-C2B-C1B	-4.84	101.46	107.17
13	aB	820	CLA	CHD-C1D-ND	-4.84	117.99	124.80
13	bB	811	CLA	C3B-C2B-C1B	-4.84	101.47	107.17
13	cB	820	CLA	CHD-C1D-ND	-4.84	117.99	124.80
13	aB	809	CLA	C2C-C1C-NC	4.84	115.06	109.98
13	bB	826	CLA	CHD-C1D-ND	-4.84	118.00	124.80
13	cK	201	CLA	C2D-C1D-ND	4.84	114.91	110.13
13	bB	803	CLA	C3D-C2D-C1D	-4.83	99.23	105.83
13	bF	204	CLA	O2D-CGD-CBD	4.83	119.68	111.23
13	cA	805	CLA	C3D-C2D-C1D	-4.83	99.23	105.83
13	dA	823	CLA	C2C-C1C-NC	4.83	115.06	109.98
13	bA	844	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
13	cB	829	CLA	O2D-CGD-CBD	4.83	119.68	111.23
13	cA	802	CLA	C3B-C4B-NB	4.83	114.84	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	813	CLA	C2B-C1B-NB	4.83	115.34	110.33
13	cL	203	CLA	C2C-C1C-NC	4.83	115.06	109.98
13	aA	805	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
13	bB	818	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
13	cA	817	CLA	C3B-C2B-C1B	-4.83	101.48	107.17
13	dL	202	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
13	bJ	101	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
13	aB	801	CLA	CMD-C2D-C1D	4.83	133.23	124.73
13	bL	202	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
13	dA	844	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
13	aA	813	CLA	C2C-C1C-NC	4.83	115.05	109.98
13	dB	828	CLA	C2C-C1C-NC	4.83	115.05	109.98
13	bB	816	CLA	C3B-C4B-NB	4.82	114.84	110.53
13	dB	819	CLA	C4A-NA-C1A	-4.82	104.48	106.68
13	dJ	101	CLA	C3D-C2D-C1D	-4.82	99.25	105.83
13	bB	828	CLA	C2C-C1C-NC	4.82	115.05	109.98
13	cA	818	CLA	C2B-C1B-NB	4.82	115.33	110.33
13	dB	819	CLA	C2C-C1C-NC	4.82	115.05	109.98
13	aB	825	CLA	C3D-C2D-C1D	-4.82	99.25	105.83
13	aA	817	CLA	C2C-C1C-NC	4.82	115.05	109.98
13	aB	829	CLA	O2D-CGD-CBD	4.82	119.66	111.23
13	aK	201	CLA	CHD-C4C-C3C	-4.82	117.75	124.77
13	aA	840	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
13	cB	825	CLA	C3D-C2D-C1D	-4.82	99.25	105.83
13	aB	813	CLA	C4A-NA-C1A	-4.82	104.48	106.68
13	bB	816	CLA	O2D-CGD-CBD	4.82	119.65	111.23
13	cA	840	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
13	cK	201	CLA	CHD-C4C-C3C	-4.82	117.75	124.77
13	aA	842	CLA	C4A-NA-C1A	-4.82	104.48	106.68
13	dB	816	CLA	O2D-CGD-CBD	4.81	119.65	111.23
13	cA	823	CLA	C2C-C1C-NC	4.81	115.04	109.98
13	dA	824	CLA	O2D-CGD-CBD	4.81	119.64	111.23
13	dA	835	CLA	C4A-NA-C1A	-4.81	104.48	106.68
13	cL	202	CLA	C3D-C2D-C1D	-4.81	99.26	105.83
13	bA	823	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
13	aK	203	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
13	dB	825	CLA	C3B-C2B-C1B	-4.81	101.50	107.17
13	bB	806	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
13	aA	832	CLA	C4A-NA-C1A	-4.81	104.49	106.68
13	bL	202	CLA	C2C-C1C-NC	4.81	115.03	109.98
13	aB	814	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
13	aA	817	CLA	C3B-C2B-C1B	-4.80	101.51	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	809	CLA	C2C-C1C-NC	4.80	115.03	109.98
13	bA	826	CLA	CAC-C3C-C4C	4.80	131.04	124.79
13	cB	814	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
13	dL	202	CLA	C2C-C1C-NC	4.80	115.03	109.98
13	cA	835	CLA	O2D-CGD-O1D	-4.80	114.50	123.85
13	aL	202	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
13	aJ	101	CLA	O2D-CGD-CBD	4.80	119.62	111.23
13	cB	825	CLA	CAA-C2A-C3A	-4.80	100.03	113.00
13	cB	803	CLA	C4-C3-C5	4.80	123.56	115.23
13	bA	833	CLA	CAA-C2A-C3A	-4.80	100.03	113.00
13	dB	813	CLA	CMD-C2D-C1D	4.80	133.18	124.73
13	aB	825	CLA	CAA-C2A-C3A	-4.80	100.04	113.00
13	bB	804	CLA	C1D-CHD-C4C	-4.80	115.83	126.02
13	dB	810	CLA	C3D-C2D-C1D	-4.80	99.29	105.83
13	dA	826	CLA	CAC-C3C-C4C	4.80	131.03	124.79
13	cJ	101	CLA	O2D-CGD-CBD	4.79	119.61	111.23
13	aB	803	CLA	C4-C3-C5	4.79	123.55	115.23
13	dA	818	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
13	dA	823	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
13	dA	808	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
13	bB	825	CLA	C3B-C2B-C1B	-4.79	101.52	107.17
13	cA	822	CLA	C3B-C2B-C1B	-4.79	101.52	107.17
13	bB	825	CLA	CHD-C1D-ND	-4.79	118.06	124.80
13	dA	833	CLA	CAA-C2A-C3A	-4.79	100.05	113.00
13	dB	806	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
13	aA	816	CLA	O2D-CGD-CBD	4.79	119.60	111.23
13	cA	832	CLA	C2B-C1B-NB	4.79	115.29	110.33
13	aB	826	CLA	C3B-C2B-C1B	-4.79	101.53	107.17
13	cK	203	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
13	aB	816	CLA	C2C-C1C-NC	4.79	115.01	109.98
13	aA	807	CLA	C2C-C1C-NC	4.79	115.01	109.98
13	cA	807	CLA	C2C-C1C-NC	4.79	115.01	109.98
13	dB	820	CLA	C2C-C1C-NC	4.79	115.01	109.98
13	bB	813	CLA	CMD-C2D-C1D	4.79	133.16	124.73
13	aA	835	CLA	O2D-CGD-O1D	-4.79	114.53	123.85
13	aB	827	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
13	bA	808	CLA	C3D-C2D-C1D	-4.78	99.30	105.83
13	aA	843	CLA	C2C-C1C-NC	4.78	115.01	109.98
13	bA	819	CLA	C2B-C1B-NB	4.78	115.29	110.33
13	dB	804	CLA	C1D-CHD-C4C	-4.78	115.85	126.02
13	cA	843	CLA	C2C-C1C-NC	4.78	115.01	109.98
13	bB	811	CLA	C2D-C1D-ND	4.78	114.86	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	825	CLA	CHD-C1D-ND	-4.78	118.07	124.80
13	cA	817	CLA	C2C-C1C-NC	4.78	115.00	109.98
13	bA	823	CLA	C3D-C4D-ND	4.78	117.76	109.99
13	aA	823	CLA	C2C-C1C-NC	4.78	115.00	109.98
13	bB	819	CLA	C2C-C1C-NC	4.78	115.00	109.98
13	cB	822	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
13	bB	820	CLA	C2C-C1C-NC	4.78	115.00	109.98
13	cA	832	CLA	C4A-NA-C1A	-4.78	104.50	106.68
13	cA	842	CLA	C4A-NA-C1A	-4.78	104.50	106.68
13	aA	832	CLA	C2B-C1B-NB	4.78	115.28	110.33
13	bA	818	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
13	dB	827	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
13	aA	812	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
13	bB	810	CLA	C3D-C2D-C1D	-4.77	99.32	105.83
13	cB	805	CLA	C3D-C2D-C1D	-4.77	99.32	105.83
13	cA	808	CLA	C3D-C4D-ND	4.77	117.75	109.99
13	bA	825	CLA	C3D-C2D-C1D	-4.77	99.32	105.83
13	dA	829	CLA	O2D-CGD-CBD	4.77	119.57	111.23
13	cB	827	CLA	C3D-C2D-C1D	-4.77	99.32	105.83
13	bB	827	CLA	C3D-C2D-C1D	-4.77	99.32	105.83
13	aA	822	CLA	C3B-C2B-C1B	-4.77	101.55	107.17
13	bA	821	CLA	C3B-C2B-C1B	-4.77	101.55	107.17
13	dB	820	CLA	C3D-C2D-C1D	-4.77	99.33	105.83
13	dA	810	CLA	C2D-C1D-ND	4.77	114.84	110.13
13	dB	814	CLA	C4A-NA-C1A	-4.77	104.50	106.68
13	aA	808	CLA	CHD-C1D-ND	-4.77	118.10	124.80
13	dA	819	CLA	C2B-C1B-NB	4.76	115.27	110.33
13	bB	810	CLA	O2D-CGD-CBD	4.76	119.56	111.23
13	cA	816	CLA	O2D-CGD-CBD	4.76	119.56	111.23
13	bA	823	CLA	C3B-C2B-C1B	-4.76	101.56	107.17
13	dA	823	CLA	C3D-C4D-ND	4.76	117.73	109.99
13	bA	829	CLA	O2D-CGD-CBD	4.76	119.55	111.23
13	cA	812	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
13	dB	811	CLA	C2D-C1D-ND	4.76	114.84	110.13
13	aA	808	CLA	C3D-C4D-ND	4.76	117.72	109.99
13	aB	805	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
13	aB	808	CLA	C2C-C1C-NC	4.76	114.98	109.98
13	bB	809	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
13	cB	827	CLA	CHD-C4C-C3C	-4.76	117.84	124.77
13	dB	830	CLA	C3D-C2D-C1D	-4.75	99.34	105.83
13	cA	808	CLA	CHD-C1D-ND	-4.75	118.11	124.80
13	aB	827	CLA	CHD-C4C-C3C	-4.75	117.84	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	822	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
13	dA	821	CLA	C3B-C2B-C1B	-4.75	101.57	107.17
12	aA	801	CL0	CHA-C1A-C2A	-4.75	122.15	133.31
13	dA	825	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
13	aB	833	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
13	bB	830	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
13	bA	840	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
13	cB	833	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
12	cA	801	CL0	CHA-C1A-C2A	-4.75	122.16	133.31
13	bB	829	CLA	C2B-C1B-NB	4.75	115.25	110.33
13	bB	814	CLA	C4A-NA-C1A	-4.75	104.51	106.68
13	dA	823	CLA	C3B-C2B-C1B	-4.75	101.58	107.17
13	aA	807	CLA	CAA-C2A-C3A	-4.74	100.19	113.00
13	cB	830	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
13	dB	810	CLA	O2D-CGD-CBD	4.74	119.52	111.23
13	dA	840	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
13	cA	811	CLA	C3B-C2B-C1B	-4.74	101.58	107.17
13	dB	809	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
13	cB	816	CLA	C2C-C1C-NC	4.74	114.96	109.98
13	bA	835	CLA	C4A-NA-C1A	-4.74	104.52	106.68
13	bB	826	CLA	C3D-C2D-C1D	-4.74	99.37	105.83
13	cA	807	CLA	CAA-C2A-C3A	-4.74	100.20	113.00
13	cB	813	CLA	C2C-C1C-NC	4.74	114.96	109.98
13	cB	805	CLA	CMD-C2D-C1D	4.73	133.07	124.73
13	bB	820	CLA	C3D-C2D-C1D	-4.73	99.37	105.83
13	dB	813	CLA	CAC-C3C-C4C	4.73	130.94	124.79
13	cA	821	CLA	CBC-CAC-C3C	-4.73	99.60	112.42
13	cK	204	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
13	aA	821	CLA	CBC-CAC-C3C	-4.73	99.61	112.42
13	cB	811	CLA	CHD-C4C-C3C	-4.73	117.88	124.77
13	dA	838	CLA	C2B-C1B-NB	4.73	115.23	110.33
13	aK	203	CLA	C4A-NA-C1A	-4.73	104.52	106.68
13	cA	824	CLA	C4A-NA-C1A	-4.73	104.52	106.68
13	dB	826	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
13	aB	813	CLA	C2C-C1C-NC	4.73	114.94	109.98
13	bB	813	CLA	CAC-C3C-C4C	4.72	130.93	124.79
13	bA	838	CLA	C2B-C1B-NB	4.72	115.22	110.33
13	bA	811	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
13	aB	805	CLA	CMD-C2D-C1D	4.72	133.04	124.73
13	cA	823	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
13	bA	810	CLA	C2D-C1D-ND	4.72	114.79	110.13
13	aA	836	CLA	C2B-C1B-NB	4.72	115.22	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	811	CLA	C3B-C2B-C1B	-4.72	101.61	107.17
13	cL	204	CLA	C3B-C2B-C1B	-4.72	101.61	107.17
13	cA	836	CLA	C2B-C1B-NB	4.72	115.22	110.33
13	bB	824	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
13	aA	835	CLA	C3B-C2B-C1B	-4.71	101.61	107.17
13	dB	829	CLA	C2B-C1B-NB	4.71	115.22	110.33
13	dA	819	CLA	O2D-CGD-CBD	4.71	119.47	111.23
13	bA	817	CLA	C2C-C1C-NC	4.71	114.93	109.98
13	cB	806	CLA	O2D-CGD-CBD	4.71	119.47	111.23
13	dA	817	CLA	C2C-C1C-NC	4.71	114.93	109.98
13	aB	830	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
13	aA	827	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
13	aA	802	CLA	CAA-C2A-C3A	-4.71	100.27	113.00
13	cA	837	CLA	C3B-C2B-C1B	-4.71	101.62	107.17
13	cB	808	CLA	C2C-C1C-NC	4.71	114.93	109.98
13	dA	811	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
13	cA	827	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
13	cA	833	CLA	C4A-NA-C1A	-4.71	104.53	106.68
13	cK	203	CLA	C4A-NA-C1A	-4.71	104.53	106.68
13	bB	802	CLA	C1D-CHD-C4C	-4.71	116.01	126.02
13	cA	835	CLA	C3B-C2B-C1B	-4.71	101.62	107.17
13	aB	823	CLA	C3B-C2B-C1B	-4.71	101.62	107.17
13	aB	811	CLA	CHD-C4C-C3C	-4.71	117.91	124.77
13	bB	818	CLA	O2D-CGD-CBD	4.70	119.45	111.23
13	aK	204	CLA	C3D-C2D-C1D	-4.70	99.41	105.83
13	cA	815	CLA	C3D-C2D-C1D	-4.70	99.41	105.83
13	bA	844	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
13	bB	806	CLA	C4A-NA-C1A	-4.70	104.53	106.68
13	bA	819	CLA	O2D-CGD-CBD	4.70	119.45	111.23
13	dA	813	CLA	C2B-C1B-NB	4.70	115.20	110.33
13	dB	818	CLA	O2D-CGD-CBD	4.70	119.45	111.23
13	bB	825	CLA	C2C-C1C-NC	4.70	114.92	109.98
13	bB	831	CLA	O2D-CGD-CBD	4.70	119.44	111.23
13	dA	843	CLA	O2D-CGD-CBD	4.70	119.44	111.23
13	dB	831	CLA	O2D-CGD-CBD	4.70	119.44	111.23
13	aB	809	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
13	dB	824	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
13	bA	813	CLA	C2B-C1B-NB	4.70	115.20	110.33
13	aA	815	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
13	aA	823	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
13	cA	802	CLA	CAA-C2A-C3A	-4.70	100.31	113.00
13	aL	204	CLA	C3B-C2B-C1B	-4.70	101.63	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	833	CLA	C4A-NA-C1A	-4.70	104.54	106.68
13	dB	802	CLA	C1D-CHD-C4C	-4.69	116.04	126.02
13	bA	822	CLA	O2D-CGD-CBD	4.69	119.44	111.23
13	dA	822	CLA	O2D-CGD-CBD	4.69	119.44	111.23
13	aA	824	CLA	C4A-NA-C1A	-4.69	104.54	106.68
13	dA	811	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
13	bA	843	CLA	O2D-CGD-CBD	4.69	119.43	111.23
13	dB	825	CLA	C2C-C1C-NC	4.69	114.91	109.98
13	cA	826	CLA	C1D-CHD-C4C	-4.69	116.05	126.02
13	dA	843	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
13	cB	809	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
13	cA	817	CLA	C3D-C4D-ND	4.69	117.61	109.99
13	cB	823	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
13	bA	843	CLA	C3D-C2D-C1D	-4.69	99.44	105.83
13	aA	826	CLA	C1D-CHD-C4C	-4.69	116.06	126.02
13	bA	811	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
13	dB	806	CLA	C4A-NA-C1A	-4.68	104.54	106.68
13	aA	837	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
13	dA	821	CLA	C4A-NA-C1A	-4.68	104.54	106.68
13	aB	806	CLA	O2D-CGD-CBD	4.68	119.41	111.23
13	bB	828	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
13	bA	818	CLA	C3D-C4D-ND	4.68	117.59	109.99
13	cB	829	CLA	C2C-C1C-NC	4.68	114.90	109.98
13	cB	823	CLA	C1D-CHD-C4C	-4.68	116.07	126.02
13	dA	844	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
13	dA	818	CLA	C3D-C4D-ND	4.68	117.59	109.99
13	dA	834	CLA	C2D-C1D-ND	4.68	114.75	110.13
13	bA	828	CLA	C3B-C2B-C1B	-4.67	101.66	107.17
13	cA	818	CLA	C1D-CHD-C4C	-4.67	116.09	126.02
13	aA	829	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
13	aA	836	CLA	C4A-NA-C1A	-4.67	104.55	106.68
13	cA	836	CLA	C4A-NA-C1A	-4.67	104.55	106.68
13	dF	201	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
13	bA	834	CLA	C2D-C1D-ND	4.67	114.75	110.13
13	dB	809	CLA	C3B-C2B-C1B	-4.67	101.67	107.17
13	aB	827	CLA	CHD-C1D-ND	-4.67	118.23	124.80
13	dB	828	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
13	cA	821	CLA	C1C-C2C-C3C	-4.67	102.07	106.98
13	aA	835	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
13	bA	802	CLA	C3B-C2B-C1B	-4.66	101.67	107.17
13	aA	817	CLA	C3D-C4D-ND	4.66	117.57	109.99
13	cB	817	CLA	C3D-C2D-C1D	-4.66	99.47	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	823	CLA	C1D-CHD-C4C	-4.66	116.11	126.02
13	aB	818	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
13	dA	802	CLA	C3B-C2B-C1B	-4.66	101.67	107.17
13	bB	821	CLA	CMC-C2C-C1C	4.66	132.32	125.03
13	dA	827	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
13	dA	813	CLA	C2C-C1C-NC	4.66	114.88	109.98
13	aB	828	CLA	C2B-C1B-NB	4.66	115.16	110.33
13	cA	835	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
13	cA	840	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
13	cA	828	CLA	C3B-C2B-C1B	-4.66	101.68	107.17
13	bA	813	CLA	C2C-C1C-NC	4.66	114.88	109.98
13	aA	818	CLA	C1D-CHD-C4C	-4.66	116.12	126.02
13	cB	818	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
13	aB	809	CLA	C2B-C1B-NB	4.66	115.16	110.33
13	cB	828	CLA	C2B-C1B-NB	4.66	115.16	110.33
13	cB	817	CLA	C3D-C4D-ND	4.66	117.56	109.99
13	dB	816	CLA	C3D-C4D-ND	4.66	117.56	109.99
13	bB	816	CLA	C3D-C4D-ND	4.66	117.56	109.99
13	cA	843	CLA	C3B-C2B-C1B	-4.66	101.68	107.17
13	aA	826	CLA	C2C-C1C-NC	4.66	114.87	109.98
13	aB	829	CLA	C2C-C1C-NC	4.66	114.87	109.98
13	aB	812	CLA	O2D-CGD-CBD	4.66	119.37	111.23
13	cB	827	CLA	CHD-C1D-ND	-4.66	118.25	124.80
13	bA	821	CLA	CBC-CAC-C3C	-4.66	99.80	112.42
13	bB	809	CLA	C1D-CHD-C4C	-4.65	116.13	126.02
13	aB	817	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
13	cA	817	CLA	CHD-C1D-ND	-4.65	118.25	124.80
13	bB	809	CLA	C3B-C2B-C1B	-4.65	101.69	107.17
13	dA	824	CLA	C3B-C2B-C1B	-4.65	101.69	107.17
13	dA	828	CLA	C3B-C2B-C1B	-4.65	101.69	107.17
13	bA	836	CLA	C4A-NA-C1A	-4.65	104.56	106.68
13	bF	201	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
13	dA	831	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
13	dA	821	CLA	CBC-CAC-C3C	-4.65	99.82	112.42
13	aA	821	CLA	C1C-C2C-C3C	-4.65	102.09	106.98
13	aA	817	CLA	CHD-C1D-ND	-4.65	118.26	124.80
13	aB	817	CLA	C3D-C4D-ND	4.65	117.54	109.99
13	cA	808	CLA	C3D-C2D-C1D	-4.65	99.49	105.83
13	dB	816	CLA	C3D-C2D-C1D	-4.65	99.49	105.83
13	aA	808	CLA	C3D-C2D-C1D	-4.65	99.49	105.83
13	dB	821	CLA	CMC-C2C-C1C	4.64	132.29	125.03
13	dA	812	CLA	C3D-C4D-ND	4.64	117.53	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	804	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
13	bA	807	CLA	C4A-NA-C1A	-4.64	104.56	106.68
13	cB	812	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
13	cA	829	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
13	aB	812	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
13	bA	806	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
13	bA	827	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
13	aA	840	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
13	bB	805	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
13	aA	828	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
13	bA	817	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
13	dL	202	CLA	C2B-C1B-NB	4.64	115.14	110.33
13	bA	824	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
13	aA	809	CLA	C4A-NA-C1A	-4.64	104.56	106.68
13	dB	809	CLA	C1D-CHD-C4C	-4.64	116.17	126.02
13	bL	202	CLA	C2B-C1B-NB	4.64	115.13	110.33
13	dB	805	CLA	C3D-C2D-C1D	-4.64	99.51	105.83
13	dA	806	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
13	bA	831	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
13	bB	818	CLA	C3B-C2B-C1B	-4.63	101.71	107.17
13	cB	809	CLA	C2B-C1B-NB	4.63	115.13	110.33
13	dB	804	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
13	cB	812	CLA	O2D-CGD-CBD	4.63	119.32	111.23
13	dA	817	CLA	C3B-C2B-C1B	-4.63	101.71	107.17
13	aB	829	CLA	C4A-NA-C1A	-4.63	104.57	106.68
13	cB	827	CLA	C2C-C1C-NC	4.63	114.84	109.98
13	aA	824	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
13	bB	816	CLA	C3D-C2D-C1D	-4.63	99.52	105.83
13	cA	841	CLA	C3D-C2D-C1D	-4.63	99.52	105.83
13	aB	826	CLA	C4A-NA-C1A	-4.63	104.57	106.68
13	dA	826	CLA	C4A-NA-C1A	-4.63	104.57	106.68
13	aA	841	CLA	C3D-C2D-C1D	-4.63	99.52	105.83
13	cA	838	CLA	C3D-C2D-C1D	-4.63	99.52	105.83
13	aL	203	CLA	C3D-C4D-ND	4.62	117.50	109.99
13	cB	822	CLA	O2D-CGD-CBD	4.62	119.31	111.23
13	cA	825	CLA	C3D-C2D-C1D	-4.62	99.52	105.83
13	aA	838	CLA	C3D-C2D-C1D	-4.62	99.52	105.83
13	bB	804	CLA	C3D-C2D-C1D	-4.62	99.52	105.83
13	cL	203	CLA	C3D-C4D-ND	4.62	117.50	109.99
13	aB	814	CLA	CAC-C3C-C4C	4.62	130.80	124.79
13	dA	804	CLA	C3B-C2B-C1B	-4.62	101.72	107.17
13	dB	818	CLA	C3B-C2B-C1B	-4.62	101.72	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	822	CLA	O2D-CGD-CBD	4.62	119.31	111.23
13	cA	824	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
13	aA	818	CLA	C3B-C2B-C1B	-4.62	101.73	107.17
13	aA	843	CLA	C3B-C2B-C1B	-4.62	101.73	107.17
13	cA	826	CLA	C2C-C1C-NC	4.62	114.83	109.98
13	cB	814	CLA	CAC-C3C-C4C	4.62	130.80	124.79
13	dF	204	CLA	C3D-C2D-C1D	-4.61	99.53	105.83
13	aA	812	CLA	C2C-C1C-NC	4.61	114.83	109.98
13	cB	825	CLA	C3D-C4D-ND	4.61	117.48	109.99
13	aB	827	CLA	C2C-C1C-NC	4.61	114.83	109.98
13	cA	812	CLA	C2C-C1C-NC	4.61	114.83	109.98
13	cA	805	CLA	CHD-C1D-ND	-4.61	118.31	124.80
13	bA	812	CLA	C3D-C4D-ND	4.61	117.48	109.99
13	cA	818	CLA	C3B-C2B-C1B	-4.61	101.74	107.17
13	aB	807	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
13	cA	816	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
13	aB	810	CLA	C2B-C1B-NB	4.61	115.10	110.33
13	cB	822	CLA	C2C-C1C-NC	4.61	114.82	109.98
13	cB	831	CLA	C3B-C2B-C1B	-4.61	101.74	107.17
13	cA	842	CLA	O2D-CGD-CBD	4.60	119.28	111.23
13	aA	817	CLA	C3D-C2D-C1D	-4.60	99.55	105.83
13	cB	807	CLA	C3D-C2D-C1D	-4.60	99.55	105.83
13	aA	825	CLA	C3D-C2D-C1D	-4.60	99.55	105.83
13	cB	825	CLA	O2D-CGD-CBD	4.60	119.28	111.23
13	cB	806	CLA	CAC-C3C-C4C	4.60	130.78	124.79
13	aA	842	CLA	C2C-C1C-NC	4.60	114.81	109.98
13	aB	812	CLA	C2D-C1D-ND	4.60	114.68	110.13
13	bA	821	CLA	C4A-NA-C1A	-4.60	104.58	106.68
13	aA	815	CLA	C2C-C1C-NC	4.60	114.81	109.98
13	bA	843	CLA	C2C-C1C-NC	4.60	114.81	109.98
13	aB	822	CLA	C2C-C1C-NC	4.60	114.81	109.98
13	cA	817	CLA	C3D-C2D-C1D	-4.60	99.56	105.83
13	aA	816	CLA	C3D-C2D-C1D	-4.60	99.56	105.83
13	aB	806	CLA	CAC-C3C-C4C	4.60	130.77	124.79
13	bA	828	CLA	C4A-NA-C1A	-4.59	104.58	106.68
13	cB	826	CLA	C4A-NA-C1A	-4.59	104.58	106.68
13	cB	829	CLA	C4A-NA-C1A	-4.59	104.58	106.68
13	dB	831	CLA	C4A-NA-C1A	-4.59	104.58	106.68
13	aB	825	CLA	O2D-CGD-CBD	4.59	119.26	111.23
13	aB	809	CLA	CHD-C1D-ND	-4.59	118.34	124.80
13	aB	831	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
13	cB	819	CLA	O2D-CGD-CBD	4.59	119.26	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	805	CLA	CHD-C1D-ND	-4.59	118.34	124.80
13	aA	821	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
13	bA	834	CLA	CAA-C2A-C3A	-4.59	100.59	113.00
13	bA	812	CLA	CHD-C4C-C3C	-4.59	118.08	124.77
13	bF	204	CLA	C3D-C2D-C1D	-4.59	99.57	105.83
13	bB	808	CLA	CMB-C2B-C1B	4.59	132.41	125.42
13	aA	842	CLA	O2D-CGD-CBD	4.59	119.25	111.23
13	dA	808	CLA	C2C-C1C-NC	4.59	114.80	109.98
13	cA	809	CLA	C4A-NA-C1A	-4.59	104.59	106.68
13	dB	808	CLA	CMB-C2B-C1B	4.59	132.40	125.42
13	dA	843	CLA	C2C-C1C-NC	4.59	114.80	109.98
13	cB	810	CLA	C2B-C1B-NB	4.59	115.08	110.33
13	aB	806	CLA	CMC-C2C-C1C	4.59	132.20	125.03
13	aB	825	CLA	C3D-C4D-ND	4.58	117.44	109.99
13	aB	819	CLA	O2D-CGD-CBD	4.58	119.24	111.23
13	bA	808	CLA	C2C-C1C-NC	4.58	114.80	109.98
13	cA	808	CLA	C4A-NA-C1A	-4.58	104.59	106.68
13	cB	809	CLA	CHD-C1D-ND	-4.58	118.35	124.80
13	bA	817	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
13	cB	812	CLA	C2D-C1D-ND	4.58	114.66	110.13
13	bA	811	CLA	C4A-NA-C1A	-4.58	104.59	106.68
13	dA	834	CLA	CAA-C2A-C3A	-4.58	100.62	113.00
13	bA	837	CLA	CHD-C1D-ND	-4.58	118.36	124.80
13	dA	807	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
13	cB	807	CLA	CHD-C4C-C3C	-4.58	118.10	124.77
13	cA	821	CLA	C3B-C2B-C1B	-4.58	101.77	107.17
13	cA	842	CLA	C2C-C1C-NC	4.58	114.79	109.98
13	cA	815	CLA	C2C-C1C-NC	4.58	114.79	109.98
13	bB	819	CLA	CHD-C1D-ND	-4.58	118.36	124.80
13	dA	812	CLA	CHD-C4C-C3C	-4.58	118.10	124.77
13	cB	806	CLA	CMC-C2C-C1C	4.58	132.19	125.03
13	bA	803	CLA	O2D-CGD-CBD	4.58	119.23	111.23
13	aB	829	CLA	C3D-C2D-C1D	-4.58	99.59	105.83
13	aB	809	CLA	C3D-C4D-ND	4.58	117.42	109.99
13	aB	820	CLA	C3D-C2D-C1D	-4.57	99.59	105.83
13	bA	803	CLA	CMD-C2D-C1D	4.57	132.78	124.73
13	dA	803	CLA	CMD-C2D-C1D	4.57	132.78	124.73
13	aA	834	CLA	C3D-C2D-C1D	-4.57	99.59	105.83
13	dA	837	CLA	CHD-C1D-ND	-4.57	118.37	124.80
13	cA	833	CLA	C3D-C2D-C1D	-4.57	99.59	105.83
13	dB	806	CLA	CHD-C1D-ND	-4.57	118.37	124.80
13	bA	807	CLA	C3D-C2D-C1D	-4.57	99.59	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	803	CLA	C3B-C2B-C1B	-4.57	101.78	107.17
13	aA	833	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
13	bA	838	CLA	C3B-C4B-NB	4.57	114.61	110.53
13	cA	842	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
13	aB	807	CLA	CHD-C4C-C3C	-4.57	118.11	124.77
13	dA	807	CLA	C4A-NA-C1A	-4.57	104.59	106.68
13	aA	842	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
13	aB	817	CLA	C2C-C1C-NC	4.57	114.78	109.98
13	cB	820	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
13	bB	806	CLA	CHD-C1D-ND	-4.56	118.38	124.80
13	bA	809	CLA	C2B-C1B-NB	4.56	115.06	110.33
13	aA	804	CLA	C3B-C2B-C1B	-4.56	101.79	107.17
13	dB	803	CLA	C3B-C2B-C1B	-4.56	101.79	107.17
13	aA	818	CLA	C3D-C4D-ND	4.56	117.40	109.99
13	aA	805	CLA	C4A-NA-C1A	-4.56	104.60	106.68
13	dA	803	CLA	O2D-CGD-CBD	4.56	119.20	111.23
13	cB	828	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
13	dB	812	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
13	aB	828	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
13	cA	834	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
13	dB	816	CLA	CHD-C1D-ND	-4.56	118.39	124.80
13	cB	829	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
13	cA	804	CLA	C3B-C2B-C1B	-4.56	101.80	107.17
13	bB	816	CLA	CHD-C1D-ND	-4.56	118.39	124.80
13	aA	808	CLA	C4A-NA-C1A	-4.56	104.60	106.68
13	dA	817	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
13	dA	808	CLA	C3D-C4D-ND	4.56	117.39	109.99
13	bA	808	CLA	C3D-C4D-ND	4.56	117.39	109.99
13	dA	809	CLA	C2B-C1B-NB	4.55	115.05	110.33
13	bF	201	CLA	C3B-C2B-C1B	-4.55	101.80	107.17
13	dB	819	CLA	CHD-C1D-ND	-4.55	118.39	124.80
13	dF	201	CLA	C3B-C2B-C1B	-4.55	101.81	107.17
13	bA	813	CLA	C3B-C2B-C1B	-4.55	101.81	107.17
13	cA	818	CLA	C3D-C4D-ND	4.55	117.38	109.99
13	aJ	101	CLA	C4A-NA-C1A	-4.55	104.61	106.68
13	dA	838	CLA	C3B-C4B-NB	4.55	114.59	110.53
13	cA	831	CLA	C3D-C2D-C1D	-4.55	99.63	105.83
13	cA	815	CLA	CHD-C1D-ND	-4.55	118.41	124.80
13	bA	834	CLA	O2D-CGD-CBD	4.54	119.17	111.23
13	dA	836	CLA	C4A-NA-C1A	-4.54	104.61	106.68
13	cA	812	CLA	C3D-C4D-ND	4.54	117.37	109.99
13	aA	828	CLA	C3D-C2D-C1D	-4.54	99.63	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	805	CLA	C4A-NA-C1A	-4.54	104.61	106.68
13	aA	818	CLA	C3C-C4C-NC	4.54	116.25	110.43
13	aA	815	CLA	CHD-C1D-ND	-4.54	118.41	124.80
13	bB	814	CLA	C3D-C4D-ND	4.54	117.37	109.99
13	cB	817	CLA	C2C-C1C-NC	4.54	114.75	109.98
13	bA	826	CLA	C4A-NA-C1A	-4.54	104.61	106.68
13	cA	828	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
13	aA	831	CLA	C1D-CHD-C4C	-4.54	116.38	126.02
13	bA	807	CLA	C2C-C1C-NC	4.54	114.75	109.98
13	bA	841	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
13	dB	814	CLA	C3D-C4D-ND	4.54	117.36	109.99
13	aB	811	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
13	dA	817	CLA	O2D-CGD-CBD	4.53	119.16	111.23
13	cB	811	CLA	C3D-C2D-C1D	-4.53	99.64	105.83
13	dA	830	CLA	C2D-C1D-ND	4.53	114.61	110.13
13	dA	822	CLA	C3D-C4D-ND	4.53	117.36	109.99
13	aA	831	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
13	aA	836	CLA	O2D-CGD-CBD	4.53	119.15	111.23
13	cB	823	CLA	C3D-C4D-ND	4.53	117.35	109.99
13	bB	831	CLA	C4A-NA-C1A	-4.53	104.61	106.68
13	cB	801	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
13	aK	201	CLA	C3D-C4D-ND	4.53	117.35	109.99
13	cA	835	CLA	C4A-NA-C1A	-4.53	104.61	106.68
13	cA	832	CLA	C2C-C1C-NC	4.53	114.74	109.98
13	dA	807	CLA	C2C-C1C-NC	4.53	114.74	109.98
13	cB	809	CLA	C3D-C4D-ND	4.53	117.34	109.99
13	dA	811	CLA	C4A-NA-C1A	-4.53	104.61	106.68
13	cA	831	CLA	C1D-CHD-C4C	-4.53	116.40	126.02
13	bB	812	CLA	C2C-C1C-NC	4.53	114.73	109.98
13	cA	836	CLA	O2D-CGD-CBD	4.53	119.14	111.23
13	aA	812	CLA	C3D-C4D-ND	4.52	117.34	109.99
13	cB	831	CLA	C2B-C1B-NB	4.52	115.02	110.33
13	bB	817	CLA	CHD-C1D-ND	-4.52	118.44	124.80
13	dB	817	CLA	CHD-C1D-ND	-4.52	118.44	124.80
13	bB	832	CLA	C4A-NA-C1A	-4.52	104.61	106.68
13	cB	814	CLA	C4A-NA-C1A	-4.52	104.61	106.68
13	cF	204	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
13	bA	817	CLA	O2D-CGD-CBD	4.52	119.14	111.23
13	aB	823	CLA	C3D-C4D-ND	4.52	117.34	109.99
13	cB	804	CLA	C3B-C2B-C1B	-4.52	101.84	107.17
13	aB	823	CLA	O2D-CGD-CBD	4.52	119.14	111.23
13	dA	834	CLA	O2D-CGD-CBD	4.52	119.14	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	825	CLA	C3D-C4D-ND	4.52	117.34	109.99
13	dA	813	CLA	C3B-C2B-C1B	-4.52	101.84	107.17
13	bA	805	CLA	C3D-C4D-ND	4.52	117.34	109.99
13	bA	807	CLA	CAA-C2A-C3A	-4.52	100.79	113.00
13	bB	825	CLA	C3D-C4D-ND	4.52	117.33	109.99
13	dA	805	CLA	C3D-C4D-ND	4.52	117.33	109.99
13	dA	828	CLA	C4A-NA-C1A	-4.52	104.62	106.68
13	cB	828	CLA	O2D-CGD-CBD	4.52	119.13	111.23
13	cB	823	CLA	O2D-CGD-CBD	4.52	119.13	111.23
13	bB	812	CLA	C3D-C2D-C1D	-4.52	99.67	105.83
13	aB	831	CLA	C2B-C1B-NB	4.52	115.01	110.33
13	aL	203	CLA	C3D-C2D-C1D	-4.52	99.67	105.83
13	dA	807	CLA	CAA-C2A-C3A	-4.51	100.80	113.00
13	dA	841	CLA	C3D-C2D-C1D	-4.51	99.67	105.83
13	aA	807	CLA	C3B-C2B-C1B	-4.51	101.85	107.17
13	aB	804	CLA	C3B-C2B-C1B	-4.51	101.85	107.17
13	aB	828	CLA	O2D-CGD-CBD	4.51	119.12	111.23
13	bA	822	CLA	C3D-C4D-ND	4.51	117.32	109.99
13	cB	811	CLA	C3B-C4B-NB	4.51	114.56	110.53
13	cB	824	CLA	C3B-C2B-C1B	-4.51	101.85	107.17
13	cK	201	CLA	C1C-C2C-C3C	-4.51	102.24	106.98
13	cA	805	CLA	C2C-C1C-NC	4.51	114.72	109.98
13	cA	818	CLA	C3C-C4C-NC	4.51	116.20	110.43
13	aA	837	CLA	CHD-C1D-ND	-4.51	118.46	124.80
13	cK	201	CLA	C3D-C4D-ND	4.50	117.31	109.99
13	bA	830	CLA	C2D-C1D-ND	4.50	114.58	110.13
13	bA	839	CLA	C2B-C1B-NB	4.50	115.00	110.33
13	aB	801	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
13	dB	812	CLA	CAA-C2A-C3A	-4.50	100.84	113.00
13	aB	824	CLA	C3B-C2B-C1B	-4.50	101.87	107.17
13	dA	824	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
13	aB	811	CLA	C3B-C4B-NB	4.50	114.55	110.53
13	aK	201	CLA	C1C-C2C-C3C	-4.50	102.25	106.98
13	cA	843	CLA	C3D-C2D-C1D	-4.50	99.70	105.83
13	aB	814	CLA	C4A-NA-C1A	-4.50	104.63	106.68
13	bA	824	CLA	C3D-C2D-C1D	-4.50	99.70	105.83
13	aF	204	CLA	C3D-C2D-C1D	-4.49	99.70	105.83
13	dB	812	CLA	C2C-C1C-NC	4.49	114.70	109.98
13	dA	839	CLA	C2B-C1B-NB	4.49	114.98	110.33
13	cA	837	CLA	CHD-C1D-ND	-4.49	118.48	124.80
13	cB	814	CLA	CHD-C1D-ND	-4.49	118.48	124.80
13	aB	806	CLA	C3D-C2D-C1D	-4.49	99.70	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	832	CLA	C2C-C1C-NC	4.49	114.70	109.98
13	bB	812	CLA	CAA-C2A-C3A	-4.49	100.87	113.00
16	aA	850	LHG	O4-P-O5	4.49	133.32	112.44
13	aA	805	CLA	C2C-C1C-NC	4.49	114.69	109.98
13	aA	824	CLA	O2D-CGD-CBD	4.49	119.07	111.23
13	cL	203	CLA	C3D-C2D-C1D	-4.49	99.71	105.83
13	bA	831	CLA	C1D-CHD-C4C	-4.49	116.48	126.02
13	bB	809	CLA	C2C-C1C-NC	4.49	114.69	109.98
16	cA	850	LHG	O4-P-O5	4.48	133.31	112.44
13	cB	833	CLA	C4A-NA-C1A	-4.48	104.63	106.68
13	dB	809	CLA	C2C-C1C-NC	4.48	114.69	109.98
15	bB	834	BCR	C15-C16-C17	-4.48	114.34	123.52
13	aK	204	CLA	CHD-C1D-ND	-4.48	118.49	124.80
13	cL	204	CLA	O2D-CGD-CBD	4.48	119.07	111.23
13	dA	831	CLA	C2B-C1B-NB	4.48	114.97	110.33
13	bB	819	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
13	dB	819	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
13	cB	818	CLA	CHD-C1D-ND	-4.48	118.50	124.80
13	dB	832	CLA	C4A-NA-C1A	-4.48	104.64	106.68
13	aB	814	CLA	CHD-C1D-ND	-4.48	118.50	124.80
15	dB	834	BCR	C15-C16-C17	-4.48	114.36	123.52
13	dB	832	CLA	C3B-C4B-NB	4.48	114.53	110.53
13	cJ	101	CLA	C3D-C2D-C1D	-4.47	99.72	105.83
13	cK	204	CLA	CHD-C1D-ND	-4.47	118.51	124.80
13	aA	835	CLA	C4A-NA-C1A	-4.47	104.64	106.68
13	aL	204	CLA	O2D-CGD-CBD	4.47	119.05	111.23
13	dA	835	CLA	C3D-C4D-ND	4.47	117.26	109.99
13	dA	818	CLA	C1D-CHD-C4C	-4.47	116.52	126.02
13	aA	843	CLA	C3D-C2D-C1D	-4.47	99.73	105.83
13	cB	806	CLA	C3D-C2D-C1D	-4.47	99.73	105.83
13	cA	807	CLA	C3B-C2B-C1B	-4.47	101.90	107.17
13	aB	809	CLA	C3D-C2D-C1D	-4.47	99.73	105.83
13	bA	818	CLA	C1D-CHD-C4C	-4.47	116.53	126.02
13	cA	824	CLA	O2D-CGD-CBD	4.47	119.04	111.23
13	aJ	101	CLA	C3D-C2D-C1D	-4.47	99.74	105.83
13	bA	831	CLA	C2B-C1B-NB	4.46	114.95	110.33
13	aB	833	CLA	C4A-NA-C1A	-4.46	104.64	106.68
13	aA	806	CLA	C3D-C2D-C1D	-4.46	99.74	105.83
13	dA	831	CLA	C1D-CHD-C4C	-4.46	116.53	126.02
13	bA	835	CLA	C3D-C4D-ND	4.46	117.24	109.99
13	aB	818	CLA	CHD-C1D-ND	-4.46	118.52	124.80
13	dB	821	CLA	C4A-NA-C1A	-4.46	104.64	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	806	CLA	C1D-CHD-C4C	-4.46	116.54	126.02
13	cB	825	CLA	CHD-C1D-ND	-4.46	118.53	124.80
13	cB	813	CLA	C3D-C2D-C1D	-4.46	99.75	105.83
13	dA	835	CLA	C3D-C2D-C1D	-4.46	99.75	105.83
13	bB	821	CLA	C4A-NA-C1A	-4.46	104.65	106.68
13	aA	819	CLA	C3D-C2D-C1D	-4.46	99.75	105.83
13	bA	835	CLA	C3D-C2D-C1D	-4.46	99.75	105.83
13	aB	815	CLA	C3D-C4D-ND	4.46	117.23	109.99
13	cA	806	CLA	C3D-C2D-C1D	-4.45	99.75	105.83
13	cA	839	CLA	C3D-C2D-C1D	-4.45	99.75	105.83
13	dB	814	CLA	C2C-C1C-NC	4.45	114.66	109.98
13	bB	817	CLA	C3D-C4D-ND	4.45	117.22	109.99
13	cJ	101	CLA	C4A-NA-C1A	-4.45	104.65	106.68
13	dA	811	CLA	C3B-C4B-NB	4.45	114.50	110.53
13	dB	817	CLA	C3D-C4D-ND	4.45	117.22	109.99
13	aA	839	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
13	aB	829	CLA	C3B-C2B-C1B	-4.45	101.92	107.17
13	cB	811	CLA	C1C-C2C-C3C	-4.45	102.30	106.98
13	aF	201	CLA	C4A-NA-C1A	-4.45	104.65	106.68
13	bA	808	CLA	CHD-C1D-ND	-4.45	118.54	124.80
13	aB	811	CLA	C1C-C2C-C3C	-4.45	102.30	106.98
13	aB	813	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
13	bA	806	CLA	C1D-CHD-C4C	-4.45	116.57	126.02
13	cA	819	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
13	cB	818	CLA	C2C-C1C-NC	4.45	114.65	109.98
13	bB	832	CLA	C3B-C4B-NB	4.45	114.50	110.53
13	cB	809	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
13	dB	813	CLA	C3D-C4D-ND	4.45	117.21	109.99
13	aA	838	CLA	C4A-NA-C1A	-4.45	104.65	106.68
13	dA	808	CLA	CHD-C1D-ND	-4.44	118.55	124.80
13	cA	820	CLA	C3B-C2B-C1B	-4.44	101.93	107.17
13	aA	812	CLA	CAA-C2A-C3A	-4.44	101.00	113.00
13	dB	824	CLA	CHD-C1D-ND	-4.44	118.55	124.80
13	dA	807	CLA	C1D-CHD-C4C	-4.44	116.58	126.02
13	bA	811	CLA	C3B-C4B-NB	4.44	114.49	110.53
13	bA	807	CLA	C1D-CHD-C4C	-4.44	116.59	126.02
13	cA	812	CLA	CAA-C2A-C3A	-4.44	101.01	113.00
13	aB	818	CLA	C2C-C1C-NC	4.44	114.64	109.98
13	cA	836	CLA	C3D-C2D-C1D	-4.44	99.78	105.83
13	bB	826	CLA	C3D-C4D-ND	4.44	117.20	109.99
13	cB	829	CLA	C3B-C2B-C1B	-4.44	101.94	107.17
13	aK	201	CLA	CHD-C1D-ND	-4.43	118.56	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	815	CLA	C3D-C4D-ND	4.43	117.19	109.99
13	cB	810	CLA	C1D-CHD-C4C	-4.43	116.60	126.02
13	dB	808	CLA	C3D-C2D-C1D	-4.43	99.78	105.83
13	aB	825	CLA	CHD-C1D-ND	-4.43	118.56	124.80
13	bB	813	CLA	C3D-C4D-ND	4.43	117.19	109.99
13	dB	802	CLA	C1C-C2C-C3C	-4.43	102.32	106.98
13	bB	814	CLA	C2C-C1C-NC	4.43	114.64	109.98
13	bA	812	CLA	CHD-C1D-ND	-4.43	118.57	124.80
13	dB	826	CLA	C3D-C4D-ND	4.43	117.19	109.99
13	bA	835	CLA	CHD-C1D-ND	-4.43	118.57	124.80
13	cF	201	CLA	C3D-C2D-C1D	-4.43	99.79	105.83
13	aB	810	CLA	C1D-CHD-C4C	-4.43	116.61	126.02
13	cB	814	CLA	C3D-C4D-ND	4.43	117.19	109.99
13	cA	838	CLA	C4A-NA-C1A	-4.43	104.66	106.68
13	dB	813	CLA	C2C-C1C-NC	4.43	114.63	109.98
13	bA	820	CLA	C3D-C2D-C1D	-4.43	99.79	105.83
13	aA	803	CLA	O2D-CGD-CBD	4.43	118.97	111.23
13	dB	831	CLA	C3D-C2D-C1D	-4.43	99.79	105.83
13	dA	835	CLA	CHD-C1D-ND	-4.43	118.57	124.80
13	dB	809	CLA	C3D-C4D-ND	4.42	117.18	109.99
13	dA	838	CLA	C1D-CHD-C4C	-4.42	116.62	126.02
13	cA	803	CLA	O2D-CGD-CBD	4.42	118.96	111.23
13	bB	809	CLA	C3D-C4D-ND	4.42	117.18	109.99
13	aA	820	CLA	C3B-C2B-C1B	-4.42	101.96	107.17
13	dA	820	CLA	C3D-C2D-C1D	-4.42	99.80	105.83
13	aB	812	CLA	CHD-C1D-ND	-4.42	118.58	124.80
13	cK	201	CLA	CHD-C1D-ND	-4.42	118.58	124.80
13	cF	201	CLA	C4A-NA-C1A	-4.42	104.66	106.68
13	aB	831	CLA	C2C-C1C-NC	4.42	114.62	109.98
13	bB	824	CLA	CHD-C1D-ND	-4.41	118.59	124.80
13	aB	814	CLA	C3D-C4D-ND	4.41	117.16	109.99
13	cA	811	CLA	C1C-C2C-C3C	-4.41	102.34	106.98
13	bA	802	CLA	C3D-C2D-C1D	-4.41	99.81	105.83
13	aF	201	CLA	C3D-C2D-C1D	-4.41	99.81	105.83
13	aB	833	CLA	C3D-C4D-ND	4.41	117.16	109.99
13	cA	836	CLA	C3B-C2B-C1B	-4.41	101.97	107.17
13	dB	827	CLA	CHD-C1D-ND	-4.41	118.59	124.80
13	bA	838	CLA	C1D-CHD-C4C	-4.41	116.65	126.02
13	aB	827	CLA	C3D-C4D-ND	4.41	117.16	109.99
13	dA	812	CLA	CHD-C1D-ND	-4.41	118.60	124.80
13	aA	836	CLA	C3D-C2D-C1D	-4.41	99.81	105.83
13	aA	809	CLA	C2C-C1C-NC	4.41	114.61	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	830	CLA	C1D-CHD-C4C	-4.41	116.65	126.02
13	bA	823	CLA	C1C-C2C-C3C	-4.41	102.34	106.98
13	bA	829	CLA	C3D-C2D-C1D	-4.41	99.82	105.83
13	bB	802	CLA	C1C-C2C-C3C	-4.41	102.35	106.98
13	cB	833	CLA	C3D-C4D-ND	4.41	117.15	109.99
13	bB	831	CLA	C3D-C2D-C1D	-4.41	99.82	105.83
13	dB	815	CLA	C3D-C2D-C1D	-4.41	99.82	105.83
13	bB	808	CLA	C3D-C2D-C1D	-4.41	99.82	105.83
13	aA	836	CLA	C3B-C2B-C1B	-4.40	101.98	107.17
13	aB	803	CLA	C1D-CHD-C4C	-4.40	116.66	126.02
13	bA	804	CLA	C1D-CHD-C4C	-4.40	116.66	126.02
13	dA	804	CLA	C1D-CHD-C4C	-4.40	116.66	126.02
13	cB	812	CLA	CHD-C1D-ND	-4.40	118.60	124.80
13	aL	202	CLA	C1D-CHD-C4C	-4.40	116.66	126.02
13	dA	812	CLA	C3D-C2D-C1D	-4.40	99.82	105.83
13	cB	827	CLA	C3D-C4D-ND	4.40	117.14	109.99
13	cB	804	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
13	cB	803	CLA	C1D-CHD-C4C	-4.40	116.67	126.02
13	bB	813	CLA	C2C-C1C-NC	4.40	114.60	109.98
13	dA	836	CLA	C1C-C2C-C3C	-4.40	102.35	106.98
13	bA	805	CLA	C4A-NA-C1A	-4.40	104.67	106.68
13	cA	802	CLA	C1D-CHD-C4C	-4.40	116.67	126.02
16	bA	852	LHG	O4-P-O5	4.40	132.91	112.44
13	aA	811	CLA	C1C-C2C-C3C	-4.40	102.36	106.98
13	dA	823	CLA	CHD-C1D-ND	-4.40	118.61	124.80
13	aA	819	CLA	C2C-C1C-NC	4.40	114.60	109.98
13	cB	831	CLA	C2C-C1C-NC	4.40	114.60	109.98
13	aA	810	CLA	C1D-CHD-C4C	-4.40	116.68	126.02
13	dA	829	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
13	bB	815	CLA	C3D-C2D-C1D	-4.39	99.83	105.83
13	bF	201	CLA	C3D-C4D-ND	4.39	117.13	109.99
13	cA	830	CLA	C1D-CHD-C4C	-4.39	116.68	126.02
13	aA	821	CLA	C3D-C2D-C1D	-4.39	99.83	105.83
13	aA	802	CLA	C1D-CHD-C4C	-4.39	116.68	126.02
13	dA	820	CLA	CAC-C3C-C4C	4.39	130.51	124.79
16	dA	852	LHG	O4-P-O5	4.39	132.88	112.44
13	dA	802	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
13	bA	812	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
13	bA	838	CLA	C4A-NA-C1A	-4.39	104.67	106.68
13	dB	831	CLA	CHD-C1D-ND	-4.39	118.62	124.80
13	aB	804	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
13	bA	809	CLA	C1C-C2C-C3C	-4.39	102.36	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bJ	101	CLA	C2C-C1C-NC	4.39	114.59	109.98
13	cA	825	CLA	CHD-C1D-ND	-4.39	118.62	124.80
13	bB	831	CLA	C3D-C4D-ND	4.39	117.12	109.99
13	dF	201	CLA	C3D-C4D-ND	4.39	117.12	109.99
13	cB	816	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
13	dB	831	CLA	C3D-C4D-ND	4.39	117.12	109.99
13	bB	827	CLA	CHD-C1D-ND	-4.39	118.63	124.80
13	aA	825	CLA	CHD-C1D-ND	-4.39	118.63	124.80
13	bL	203	CLA	C3D-C4D-ND	4.39	117.12	109.99
13	dA	823	CLA	C1C-C2C-C3C	-4.39	102.37	106.98
13	aJ	101	CLA	C3D-C4D-ND	4.39	117.12	109.99
13	bB	826	CLA	C4A-NA-C1A	-4.39	104.68	106.68
13	dA	830	CLA	C4A-NA-C1A	-4.39	104.68	106.68
13	cL	202	CLA	C1D-CHD-C4C	-4.39	116.70	126.02
13	cA	821	CLA	C3D-C2D-C1D	-4.39	99.85	105.83
13	cA	819	CLA	C2C-C1C-NC	4.39	114.59	109.98
13	bB	831	CLA	CHD-C1D-ND	-4.39	118.63	124.80
13	dL	203	CLA	C3D-C4D-ND	4.38	117.11	109.99
13	cB	822	CLA	CAC-C3C-C4C	4.38	130.50	124.79
13	cF	204	CLA	CHD-C1D-ND	-4.38	118.63	124.80
13	cB	816	CLA	C4A-NA-C1A	-4.38	104.68	106.68
13	bA	837	CLA	C2C-C1C-NC	4.38	114.59	109.98
13	dJ	101	CLA	C2C-C1C-NC	4.38	114.59	109.98
13	dA	832	CLA	C3D-C2D-C1D	-4.38	99.85	105.83
13	cA	810	CLA	C1D-CHD-C4C	-4.38	116.70	126.02
13	bA	836	CLA	C1C-C2C-C3C	-4.38	102.37	106.98
13	dB	830	CLA	C4A-NA-C1A	-4.38	104.68	106.68
13	aB	812	CLA	C4A-NA-C1A	-4.38	104.68	106.68
13	cA	817	CLA	C4A-NA-C1A	-4.38	104.68	106.68
13	cB	812	CLA	C4A-NA-C1A	-4.38	104.68	106.68
13	bB	814	CLA	O2D-CGD-CBD	4.38	118.89	111.23
13	cA	805	CLA	O2D-CGD-CBD	4.38	118.89	111.23
13	bA	829	CLA	C2C-C1C-NC	4.38	114.58	109.98
13	dA	809	CLA	C1C-C2C-C3C	-4.38	102.38	106.98
13	aA	805	CLA	O2D-CGD-CBD	4.38	118.88	111.23
13	aB	823	CLA	C3D-C2D-C1D	-4.38	99.86	105.83
13	aF	204	CLA	CHD-C1D-ND	-4.38	118.64	124.80
13	aA	805	CLA	C3D-C4D-ND	4.38	117.10	109.99
13	bA	823	CLA	CHD-C1D-ND	-4.38	118.64	124.80
13	cA	809	CLA	C2C-C1C-NC	4.38	114.58	109.98
13	dA	813	CLA	C4A-NA-C1A	-4.38	104.68	106.68
13	aB	818	CLA	C3D-C4D-ND	4.37	117.10	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	818	CLA	C3D-C4D-ND	4.37	117.10	109.99
13	cB	823	CLA	C3D-C2D-C1D	-4.37	99.86	105.83
13	bA	832	CLA	C3D-C2D-C1D	-4.37	99.87	105.83
13	aB	803	CLA	C3D-C2D-C1D	-4.37	99.87	105.83
13	bA	814	CLA	C1D-CHD-C4C	-4.37	116.73	126.02
13	cB	803	CLA	C3D-C4D-ND	4.37	117.09	109.99
13	dA	829	CLA	C2C-C1C-NC	4.37	114.57	109.98
13	dB	826	CLA	C4A-NA-C1A	-4.37	104.69	106.68
13	dA	821	CLA	C1C-C2C-C3C	-4.37	102.39	106.98
13	aB	803	CLA	C3D-C4D-ND	4.37	117.09	109.99
13	dB	803	CLA	C2B-C1B-NB	4.37	114.86	110.33
13	aB	822	CLA	CAC-C3C-C4C	4.37	130.47	124.79
13	bA	820	CLA	CAC-C3C-C4C	4.37	130.47	124.79
13	dA	837	CLA	C2C-C1C-NC	4.37	114.57	109.98
13	dA	814	CLA	C1D-CHD-C4C	-4.37	116.74	126.02
13	cB	827	CLA	CAA-C2A-C3A	-4.36	101.20	113.00
13	aA	840	CLA	C4A-NA-C1A	-4.36	104.69	106.68
13	cA	835	CLA	C1C-C2C-C3C	-4.36	102.39	106.98
13	aB	816	CLA	C3D-C2D-C1D	-4.36	99.88	105.83
13	aA	822	CLA	C3D-C4D-ND	4.36	117.08	109.99
13	dA	827	CLA	O2D-CGD-CBD	4.36	118.86	111.23
13	aA	839	CLA	C3B-C2B-C1B	-4.36	102.03	107.17
13	cA	811	CLA	C3D-C4D-ND	4.36	117.08	109.99
13	bB	803	CLA	C2B-C1B-NB	4.36	114.85	110.33
13	bA	821	CLA	C3D-C2D-C1D	-4.36	99.88	105.83
13	dB	814	CLA	O2D-CGD-CBD	4.36	118.85	111.23
13	cB	803	CLA	C3D-C2D-C1D	-4.36	99.88	105.83
13	cB	801	CLA	C1D-CHD-C4C	-4.36	116.75	126.02
13	aB	827	CLA	CAA-C2A-C3A	-4.36	101.22	113.00
13	bB	810	CLA	C2C-C1C-NC	4.36	114.56	109.98
13	bL	202	CLA	C3D-C4D-ND	4.36	117.07	109.99
13	dB	823	CLA	C3C-C4C-NC	4.36	116.02	110.43
13	dA	802	CLA	C1D-CHD-C4C	-4.36	116.76	126.02
13	cA	805	CLA	C3D-C4D-ND	4.36	117.07	109.99
13	aB	824	CLA	C2D-C1D-ND	4.36	114.44	110.13
13	aB	821	CLA	C2C-C1C-NC	4.36	114.56	109.98
13	cB	821	CLA	C2C-C1C-NC	4.36	114.56	109.98
13	aA	817	CLA	C4A-NA-C1A	-4.36	104.69	106.68
13	dA	827	CLA	CHD-C1D-ND	-4.36	118.67	124.80
13	cJ	101	CLA	C3D-C4D-ND	4.36	117.07	109.99
13	cA	822	CLA	C3D-C4D-ND	4.36	117.07	109.99
13	aA	811	CLA	C3D-C4D-ND	4.35	117.07	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	827	CLA	O2D-CGD-CBD	4.35	118.84	111.23
13	dA	821	CLA	C3D-C2D-C1D	-4.35	99.89	105.83
13	dL	202	CLA	C3D-C4D-ND	4.35	117.06	109.99
13	aB	812	CLA	C3D-C4D-ND	4.35	117.06	109.99
13	aB	822	CLA	C4A-NA-C1A	-4.35	104.69	106.68
13	bB	830	CLA	C1D-CHD-C4C	-4.35	116.77	126.02
13	cB	805	CLA	C1D-CHD-C4C	-4.35	116.77	126.02
13	aA	835	CLA	C1C-C2C-C3C	-4.35	102.41	106.98
13	aB	809	CLA	O2D-CGD-CBD	4.35	118.83	111.23
13	bA	802	CLA	C1D-CHD-C4C	-4.35	116.78	126.02
13	bB	806	CLA	C3D-C4D-ND	4.35	117.06	109.99
13	dA	810	CLA	C3D-C4D-ND	4.35	117.06	109.99
13	bA	821	CLA	C1C-C2C-C3C	-4.35	102.41	106.98
13	cB	824	CLA	C2D-C1D-ND	4.35	114.43	110.13
13	dB	806	CLA	C3D-C4D-ND	4.35	117.05	109.99
13	cB	809	CLA	O2D-CGD-CBD	4.35	118.83	111.23
13	cB	801	CLA	C3B-C2B-C1B	-4.34	102.05	107.17
13	cB	810	CLA	C3B-C2B-C1B	-4.34	102.05	107.17
13	bB	821	CLA	C2C-C1C-NC	4.34	114.54	109.98
13	cL	204	CLA	C2C-C1C-NC	4.34	114.54	109.98
13	dB	810	CLA	C2C-C1C-NC	4.34	114.54	109.98
13	dA	838	CLA	C1C-C2C-C3C	-4.34	102.41	106.98
13	cB	812	CLA	C3D-C4D-ND	4.34	117.05	109.99
13	cB	817	CLA	CHD-C1D-ND	-4.34	118.69	124.80
13	cA	839	CLA	C3B-C2B-C1B	-4.34	102.05	107.17
13	bA	813	CLA	C4A-NA-C1A	-4.34	104.70	106.68
13	aB	804	CLA	C1-O2A-CGA	4.34	127.16	116.65
13	aB	801	CLA	C3B-C2B-C1B	-4.34	102.05	107.17
14	aB	835	PQN	C11-C12-C13	-4.34	119.35	126.83
14	cB	835	PQN	C11-C12-C13	-4.34	119.35	126.83
13	aB	810	CLA	C3B-C2B-C1B	-4.34	102.05	107.17
13	bB	813	CLA	C4A-NA-C1A	-4.34	104.70	106.68
13	aB	805	CLA	C1D-CHD-C4C	-4.34	116.80	126.02
13	dA	813	CLA	C3D-C4D-ND	4.34	117.04	109.99
13	dF	204	CLA	C3B-C4B-NB	4.34	114.40	110.53
13	bB	829	CLA	C2C-C1C-NC	4.34	114.54	109.98
13	bB	819	CLA	C3D-C4D-ND	4.34	117.03	109.99
13	dB	819	CLA	C3D-C4D-ND	4.34	117.03	109.99
13	bA	812	CLA	C4A-NA-C1A	-4.34	104.70	106.68
13	aB	801	CLA	C1D-CHD-C4C	-4.34	116.81	126.02
13	cA	828	CLA	C1D-CHD-C4C	-4.34	116.81	126.02
13	bA	811	CLA	C1C-C2C-C3C	-4.33	102.42	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	830	CLA	C1D-CHD-C4C	-4.33	116.81	126.02
13	dF	204	CLA	C3D-C4D-ND	4.33	117.03	109.99
13	aB	805	CLA	C2C-C1C-NC	4.33	114.53	109.98
13	cB	805	CLA	C2C-C1C-NC	4.33	114.53	109.98
13	aK	201	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
13	aA	832	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
13	aB	824	CLA	C3D-C4D-ND	4.33	117.03	109.99
13	cA	804	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
13	aA	828	CLA	C1D-CHD-C4C	-4.33	116.81	126.02
13	cA	810	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
13	bA	841	CLA	O2D-CGD-CBD	4.33	118.80	111.23
13	bA	838	CLA	C1C-C2C-C3C	-4.33	102.43	106.98
13	dB	830	CLA	C1D-CHD-C4C	-4.33	116.82	126.02
13	aA	804	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
13	cA	827	CLA	C2C-C1C-NC	4.33	114.53	109.98
13	dA	841	CLA	O2D-CGD-CBD	4.33	118.80	111.23
13	bB	830	CLA	C4A-NA-C1A	-4.33	104.70	106.68
13	dB	803	CLA	CAC-C3C-C4C	4.33	130.42	124.79
13	bA	827	CLA	CHD-C1D-ND	-4.33	118.71	124.80
13	dB	829	CLA	C2C-C1C-NC	4.33	114.53	109.98
13	bA	836	CLA	C1D-CHD-C4C	-4.33	116.82	126.02
13	bA	810	CLA	C3D-C4D-ND	4.33	117.02	109.99
13	bA	813	CLA	C3D-C4D-ND	4.33	117.02	109.99
13	cB	825	CLA	C2C-C1C-NC	4.32	114.52	109.98
13	aB	817	CLA	CHD-C1D-ND	-4.32	118.72	124.80
13	cA	832	CLA	C3D-C2D-C1D	-4.32	99.93	105.83
13	cB	824	CLA	C3D-C4D-ND	4.32	117.01	109.99
13	cB	830	CLA	C1D-CHD-C4C	-4.32	116.83	126.02
13	cB	826	CLA	CHD-C1D-ND	-4.32	118.72	124.80
13	aA	839	CLA	C3D-C4D-ND	4.32	117.01	109.99
13	bA	822	CLA	C1D-CHD-C4C	-4.32	116.84	126.02
13	cB	804	CLA	C1-O2A-CGA	4.32	127.11	116.65
13	dA	838	CLA	C4A-NA-C1A	-4.32	104.71	106.68
13	bB	823	CLA	C3C-C4C-NC	4.32	115.96	110.43
13	dA	818	CLA	CHD-C1D-ND	-4.32	118.72	124.80
13	dA	836	CLA	C1D-CHD-C4C	-4.32	116.84	126.02
13	aB	833	CLA	O2D-CGD-CBD	4.32	118.78	111.23
13	aL	204	CLA	C2C-C1C-NC	4.32	114.52	109.98
13	dA	822	CLA	C1D-CHD-C4C	-4.32	116.84	126.02
13	bA	824	CLA	C3D-C4D-ND	4.32	117.01	109.99
13	aA	810	CLA	C3D-C2D-C1D	-4.32	99.94	105.83
13	bB	829	CLA	C1D-CHD-C4C	-4.32	116.84	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cK	201	CLA	C3D-C2D-C1D	-4.32	99.94	105.83
13	bA	832	CLA	C1D-CHD-C4C	-4.32	116.85	126.02
13	aB	816	CLA	C4A-NA-C1A	-4.32	104.71	106.68
13	dA	811	CLA	C1C-C2C-C3C	-4.32	102.44	106.98
13	cA	839	CLA	C3D-C4D-ND	4.32	117.00	109.99
13	cF	204	CLA	C3D-C4D-ND	4.31	117.00	109.99
13	dB	818	CLA	C1D-CHD-C4C	-4.31	116.85	126.02
13	dA	824	CLA	C3D-C4D-ND	4.31	117.00	109.99
13	bA	811	CLA	C3D-C4D-ND	4.31	117.00	109.99
13	bF	204	CLA	C3D-C4D-ND	4.31	117.00	109.99
13	bB	803	CLA	CAC-C3C-C4C	4.31	130.40	124.79
13	dA	811	CLA	C1D-CHD-C4C	-4.31	116.85	126.02
13	bB	832	CLA	C2B-C1B-NB	4.31	114.80	110.33
13	cB	810	CLA	C3D-C4D-ND	4.31	117.00	109.99
13	aA	827	CLA	C2C-C1C-NC	4.31	114.51	109.98
13	bA	811	CLA	C1D-CHD-C4C	-4.31	116.86	126.02
13	bA	826	CLA	C1D-CHD-C4C	-4.31	116.86	126.02
13	bB	818	CLA	C1D-CHD-C4C	-4.31	116.86	126.02
13	dB	821	CLA	C2C-C1C-NC	4.31	114.51	109.98
13	dB	813	CLA	C4A-NA-C1A	-4.31	104.71	106.68
13	aB	815	CLA	CHD-C1D-ND	-4.31	118.74	124.80
13	aK	204	CLA	C3D-C4D-ND	4.31	116.99	109.99
13	cB	815	CLA	CHD-C1D-ND	-4.31	118.74	124.80
13	cA	820	CLA	C3D-C2D-C1D	-4.31	99.95	105.83
13	bB	810	CLA	C3D-C4D-ND	4.31	116.99	109.99
13	cA	812	CLA	O2D-CGD-CBD	4.31	118.76	111.23
13	dB	829	CLA	C1D-CHD-C4C	-4.31	116.87	126.02
13	aB	810	CLA	C3D-C4D-ND	4.31	116.98	109.99
13	bA	830	CLA	C4A-NA-C1A	-4.30	104.72	106.68
13	aB	825	CLA	C2C-C1C-NC	4.30	114.50	109.98
16	cA	851	LHG	O4-P-O5	4.30	132.46	112.44
13	cA	816	CLA	C2C-C1C-NC	4.30	114.50	109.98
13	dB	811	CLA	C3D-C2D-C1D	-4.30	99.96	105.83
13	bA	833	CLA	CHD-C1D-ND	-4.30	118.75	124.80
16	aA	851	LHG	O4-P-O5	4.30	132.46	112.44
13	bA	818	CLA	CHD-C1D-ND	-4.30	118.75	124.80
13	cB	833	CLA	O2D-CGD-CBD	4.30	118.75	111.23
13	bF	204	CLA	C3B-C4B-NB	4.30	114.37	110.53
13	dA	832	CLA	C1D-CHD-C4C	-4.30	116.88	126.02
13	cL	204	CLA	C3D-C4D-ND	4.30	116.98	109.99
13	aA	821	CLA	C2B-C1B-NB	4.30	114.78	110.33
13	dJ	101	CLA	CHD-C1D-ND	-4.30	118.75	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	826	CLA	C1D-CHD-C4C	-4.30	116.88	126.02
13	dA	811	CLA	C3D-C4D-ND	4.30	116.97	109.99
16	bA	853	LHG	O4-P-O5	4.30	132.44	112.44
13	aA	812	CLA	O2D-CGD-CBD	4.30	118.74	111.23
16	dA	853	LHG	O4-P-O5	4.30	132.44	112.44
13	bB	810	CLA	C1D-CHD-C4C	-4.30	116.89	126.02
13	bB	811	CLA	C3D-C2D-C1D	-4.30	99.97	105.83
13	dB	810	CLA	C1D-CHD-C4C	-4.30	116.89	126.02
13	cB	822	CLA	C4A-NA-C1A	-4.30	104.72	106.68
13	aA	816	CLA	C2C-C1C-NC	4.30	114.49	109.98
13	aB	813	CLA	C3D-C4D-ND	4.30	116.97	109.99
13	cB	813	CLA	C3D-C4D-ND	4.30	116.97	109.99
13	dB	810	CLA	C3D-C4D-ND	4.29	116.97	109.99
13	aF	204	CLA	C3D-C4D-ND	4.29	116.97	109.99
13	dA	817	CLA	C3D-C4D-ND	4.29	116.97	109.99
13	aA	820	CLA	C3D-C2D-C1D	-4.29	99.97	105.83
13	aK	201	CLA	C3B-C4B-NB	4.29	114.36	110.53
13	cA	811	CLA	CHD-C1D-ND	-4.29	118.77	124.80
13	bA	833	CLA	C3D-C4D-ND	4.29	116.96	109.99
13	cK	204	CLA	C3D-C4D-ND	4.29	116.96	109.99
13	aA	807	CLA	CHD-C1D-ND	-4.29	118.77	124.80
13	aB	828	CLA	C3D-C4D-ND	4.29	116.96	109.99
13	cB	828	CLA	C3D-C4D-ND	4.29	116.96	109.99
13	aB	826	CLA	CHD-C1D-ND	-4.29	118.77	124.80
13	dB	831	CLA	C1D-CHD-C4C	-4.29	116.91	126.02
13	dB	828	CLA	C3D-C4D-ND	4.29	116.95	109.99
13	dA	805	CLA	C4A-NA-C1A	-4.29	104.72	106.68
13	aA	807	CLA	C1C-C2C-C3C	-4.29	102.47	106.98
13	aB	803	CLA	C2B-C1B-NB	4.28	114.77	110.33
13	cA	821	CLA	C2B-C1B-NB	4.28	114.77	110.33
13	aA	821	CLA	C1D-CHD-C4C	-4.28	116.92	126.02
13	dL	203	CLA	C1D-CHD-C4C	-4.28	116.92	126.02
13	cB	826	CLA	C3D-C4D-ND	4.28	116.95	109.99
13	dA	833	CLA	CHD-C1D-ND	-4.28	118.78	124.80
13	bA	840	CLA	C1D-CHD-C4C	-4.28	116.92	126.02
13	bL	203	CLA	C1D-CHD-C4C	-4.28	116.92	126.02
13	bB	826	CLA	CAA-C2A-C3A	-4.28	101.43	113.00
13	bB	831	CLA	C1D-CHD-C4C	-4.28	116.92	126.02
13	cA	822	CLA	C3D-C2D-C1D	-4.28	99.99	105.83
13	dA	834	CLA	C1C-C2C-C3C	-4.28	102.48	106.98
13	aL	204	CLA	C3D-C4D-ND	4.28	116.94	109.99
13	bJ	101	CLA	CHD-C1D-ND	-4.28	118.78	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	815	CLA	C3D-C2D-C1D	-4.28	99.99	105.83
13	dA	833	CLA	C3D-C4D-ND	4.28	116.94	109.99
13	bA	840	CLA	C4A-NA-C1A	-4.28	104.73	106.68
13	bB	813	CLA	C1D-CHD-C4C	-4.28	116.93	126.02
13	dB	803	CLA	C1D-CHD-C4C	-4.28	116.93	126.02
13	cA	821	CLA	C1D-CHD-C4C	-4.28	116.93	126.02
13	dA	842	CLA	C3D-C4D-ND	4.28	116.94	109.99
13	bA	834	CLA	C1C-C2C-C3C	-4.27	102.48	106.98
13	dA	840	CLA	C1D-CHD-C4C	-4.27	116.94	126.02
13	cA	843	CLA	C3D-C4D-ND	4.27	116.93	109.99
13	cA	826	CLA	C3D-C4D-ND	4.27	116.93	109.99
13	bA	841	CLA	C2C-C1C-NC	4.27	114.47	109.98
13	cA	804	CLA	C3D-C4D-ND	4.27	116.93	109.99
13	aA	807	CLA	C4A-NA-C1A	-4.27	104.73	106.68
13	aB	826	CLA	C3D-C4D-ND	4.27	116.93	109.99
13	dB	826	CLA	CAA-C2A-C3A	-4.27	101.46	113.00
13	bB	828	CLA	C3D-C4D-ND	4.27	116.93	109.99
13	aA	843	CLA	C3D-C4D-ND	4.27	116.93	109.99
13	bA	817	CLA	C3D-C4D-ND	4.27	116.93	109.99
13	aA	824	CLA	C3D-C4D-ND	4.27	116.92	109.99
13	aB	817	CLA	C4A-NA-C1A	-4.27	104.73	106.68
13	cA	840	CLA	C4A-NA-C1A	-4.27	104.73	106.68
13	dA	804	CLA	C4A-NA-C1A	-4.27	104.73	106.68
13	dA	837	CLA	C4A-NA-C1A	-4.27	104.73	106.68
13	bA	843	CLA	C2B-C1B-NB	4.27	114.75	110.33
13	dB	832	CLA	C2B-C1B-NB	4.27	114.75	110.33
13	cA	824	CLA	C3D-C4D-ND	4.27	116.92	109.99
13	bB	811	CLA	C1D-CHD-C4C	-4.27	116.95	126.02
13	dB	811	CLA	C1D-CHD-C4C	-4.27	116.95	126.02
13	aA	828	CLA	C2C-C1C-NC	4.27	114.46	109.98
13	cB	815	CLA	C3D-C2D-C1D	-4.27	100.01	105.83
13	dB	813	CLA	C1D-CHD-C4C	-4.27	116.95	126.02
13	aA	826	CLA	C3D-C4D-ND	4.27	116.92	109.99
13	aA	827	CLA	C1D-CHD-C4C	-4.26	116.96	126.02
13	dB	808	CLA	C1C-C2C-C3C	-4.26	102.50	106.98
13	bA	832	CLA	C4A-NA-C1A	-4.26	104.73	106.68
13	bB	823	CLA	C4B-C3B-C2B	-4.26	102.00	107.30
13	aA	806	CLA	C2C-C1C-NC	4.26	114.46	109.98
13	cA	828	CLA	C2C-C1C-NC	4.26	114.46	109.98
13	aA	804	CLA	C3D-C4D-ND	4.26	116.91	109.99
13	aB	828	CLA	C3B-C2B-C1B	-4.26	102.15	107.17
13	cB	803	CLA	C2B-C1B-NB	4.26	114.74	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	822	CLA	O2D-CGD-CBD	4.26	118.68	111.23
13	bA	842	CLA	C3D-C4D-ND	4.26	116.91	109.99
13	bB	814	CLA	CHD-C1D-ND	-4.26	118.81	124.80
13	aA	807	CLA	C3D-C4D-ND	4.26	116.91	109.99
13	dB	828	CLA	CAC-C3C-C4C	4.26	130.33	124.79
13	dA	841	CLA	C2C-C1C-NC	4.26	114.45	109.98
13	cA	807	CLA	CHD-C1D-ND	-4.26	118.81	124.80
13	bB	828	CLA	CAC-C3C-C4C	4.26	130.33	124.79
13	cA	807	CLA	C4A-NA-C1A	-4.25	104.74	106.68
13	aA	811	CLA	CHD-C1D-ND	-4.25	118.82	124.80
13	bB	826	CLA	C1D-CHD-C4C	-4.25	116.98	126.02
13	dA	832	CLA	C4A-NA-C1A	-4.25	104.74	106.68
13	bA	803	CLA	C3D-C2D-C1D	-4.25	100.03	105.83
13	dB	814	CLA	CHD-C1D-ND	-4.25	118.82	124.80
13	cA	821	CLA	C3D-C4D-ND	4.25	116.90	109.99
13	cA	807	CLA	C1C-C2C-C3C	-4.25	102.51	106.98
13	cA	827	CLA	C1D-CHD-C4C	-4.25	116.99	126.02
13	aA	832	CLA	C3D-C4D-ND	4.25	116.90	109.99
13	bB	812	CLA	C3D-C4D-ND	4.25	116.90	109.99
13	bB	802	CLA	C3D-C2D-C1D	-4.25	100.03	105.83
13	bB	803	CLA	C1D-CHD-C4C	-4.25	116.99	126.02
13	cB	804	CLA	C1D-CHD-C4C	-4.25	116.99	126.02
13	bB	822	CLA	O2D-CGD-CBD	4.25	118.66	111.23
13	dB	823	CLA	C4B-C3B-C2B	-4.25	102.02	107.30
13	cB	828	CLA	C3B-C2B-C1B	-4.25	102.16	107.17
13	dA	843	CLA	C2B-C1B-NB	4.25	114.73	110.33
13	aB	810	CLA	C3D-C2D-C1D	-4.25	100.04	105.83
13	dB	802	CLA	C3D-C2D-C1D	-4.25	100.04	105.83
13	bA	827	CLA	C3D-C4D-ND	4.25	116.89	109.99
13	dA	833	CLA	C3D-C2D-C1D	-4.24	100.04	105.83
13	bA	825	CLA	CHD-C1D-ND	-4.24	118.83	124.80
13	aB	813	CLA	CHD-C1D-ND	-4.24	118.83	124.80
13	cB	834	CLA	C3D-C2D-C1D	-4.24	100.04	105.83
13	aA	822	CLA	C3D-C2D-C1D	-4.24	100.05	105.83
13	cB	810	CLA	C3D-C2D-C1D	-4.24	100.05	105.83
13	aA	834	CLA	C3D-C4D-ND	4.24	116.88	109.99
13	aB	832	CLA	CHD-C1D-ND	-4.24	118.84	124.80
13	cA	807	CLA	C3D-C4D-ND	4.24	116.88	109.99
13	bL	203	CLA	O2D-CGD-CBD	4.24	118.64	111.23
13	cB	813	CLA	CHD-C1D-ND	-4.24	118.84	124.80
13	aB	804	CLA	C1D-CHD-C4C	-4.24	117.01	126.02
13	aA	821	CLA	C3D-C4D-ND	4.24	116.87	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	834	CLA	C3D-C4D-ND	4.24	116.87	109.99
13	aK	203	CLA	C1D-CHD-C4C	-4.24	117.02	126.02
13	dB	826	CLA	C1D-CHD-C4C	-4.24	117.02	126.02
13	cA	813	CLA	C3D-C4D-ND	4.24	116.87	109.99
13	cA	806	CLA	C2C-C1C-NC	4.23	114.43	109.98
13	cA	832	CLA	C3D-C4D-ND	4.23	116.87	109.99
13	bA	833	CLA	C3D-C2D-C1D	-4.23	100.05	105.83
13	dA	803	CLA	C3D-C2D-C1D	-4.23	100.05	105.83
13	aA	813	CLA	C3D-C4D-ND	4.23	116.86	109.99
13	dB	814	CLA	C2D-C1D-ND	4.23	114.31	110.13
13	dA	822	CLA	C3D-C2D-C1D	-4.23	100.06	105.83
13	aA	830	CLA	O2D-CGD-CBD	4.23	118.62	111.23
13	bA	822	CLA	C3B-C2B-C1B	-4.23	102.18	107.17
13	bB	821	CLA	CHD-C1D-ND	-4.23	118.85	124.80
13	dL	203	CLA	O2D-CGD-CBD	4.23	118.62	111.23
13	cK	203	CLA	C1D-CHD-C4C	-4.23	117.03	126.02
13	dA	822	CLA	C3B-C2B-C1B	-4.23	102.19	107.17
13	bA	822	CLA	C3D-C2D-C1D	-4.23	100.06	105.83
13	dA	827	CLA	C3D-C4D-ND	4.23	116.86	109.99
13	dA	807	CLA	C3D-C4D-ND	4.23	116.86	109.99
13	dA	836	CLA	C3D-C4D-ND	4.23	116.86	109.99
13	bA	807	CLA	C3D-C4D-ND	4.22	116.85	109.99
13	dB	812	CLA	C3D-C4D-ND	4.22	116.85	109.99
13	aA	813	CLA	C3D-C2D-C1D	-4.22	100.07	105.83
13	aB	823	CLA	C3B-C4B-NB	4.22	114.30	110.53
13	aB	806	CLA	C4A-NA-C1A	-4.22	104.75	106.68
13	aL	202	CLA	C4A-NA-C1A	-4.22	104.75	106.68
13	bB	808	CLA	C1C-C2C-C3C	-4.22	102.54	106.98
13	dA	825	CLA	CBC-CAC-C3C	-4.22	100.97	112.42
13	dF	204	CLA	C1C-C2C-C3C	-4.22	102.54	106.98
13	aA	836	CLA	C3D-C4D-ND	4.22	116.85	109.99
13	cL	202	CLA	C4A-NA-C1A	-4.22	104.75	106.68
13	aB	834	CLA	C3D-C2D-C1D	-4.22	100.07	105.83
13	cA	836	CLA	C3D-C4D-ND	4.22	116.85	109.99
13	cB	817	CLA	C4A-NA-C1A	-4.22	104.75	106.68
13	bB	823	CLA	C3D-C4D-ND	4.22	116.84	109.99
13	dB	815	CLA	C1D-CHD-C4C	-4.22	117.05	126.02
13	cB	832	CLA	CHD-C1D-ND	-4.22	118.86	124.80
13	dA	825	CLA	CHD-C1D-ND	-4.22	118.86	124.80
13	bB	832	CLA	C1D-CHD-C4C	-4.22	117.06	126.02
13	bB	827	CLA	C3D-C4D-ND	4.22	116.84	109.99
13	dA	842	CLA	CHD-C1D-ND	-4.22	118.87	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	832	CLA	C4B-C3B-C2B	-4.22	102.06	107.30
13	aA	802	CLA	C1C-C2C-C3C	-4.22	102.55	106.98
13	dA	830	CLA	C1D-CHD-C4C	-4.22	117.06	126.02
13	dA	804	CLA	C3D-C4D-ND	4.22	116.84	109.99
13	cA	830	CLA	O2D-CGD-CBD	4.22	118.60	111.23
13	dA	829	CLA	C1D-CHD-C4C	-4.22	117.06	126.02
13	bA	829	CLA	C1D-CHD-C4C	-4.22	117.06	126.02
13	dB	827	CLA	C3D-C4D-ND	4.22	116.84	109.99
13	bB	815	CLA	C1D-CHD-C4C	-4.22	117.06	126.02
13	cL	204	CLA	C1D-CHD-C4C	-4.21	117.06	126.02
13	bB	822	CLA	C3D-C4D-ND	4.21	116.84	109.99
13	cA	834	CLA	CHD-C1D-ND	-4.21	118.87	124.80
13	aA	816	CLA	C3D-C4D-ND	4.21	116.84	109.99
13	bA	804	CLA	C4A-NA-C1A	-4.21	104.76	106.68
13	dA	816	CLA	C3D-C4D-ND	4.21	116.83	109.99
13	bB	814	CLA	C2D-C1D-ND	4.21	114.30	110.13
13	bA	825	CLA	CBC-CAC-C3C	-4.21	101.00	112.42
13	dB	822	CLA	C3D-C4D-ND	4.21	116.83	109.99
13	bA	836	CLA	C3D-C4D-ND	4.21	116.83	109.99
13	cA	822	CLA	C2C-C1C-NC	4.21	114.41	109.98
13	dB	829	CLA	C4A-NA-C1A	-4.21	104.76	106.68
13	bB	832	CLA	C4B-C3B-C2B	-4.21	102.07	107.30
13	bB	815	CLA	C3D-C4D-ND	4.21	116.83	109.99
13	bA	816	CLA	C3D-C4D-ND	4.21	116.83	109.99
13	aA	834	CLA	CHD-C1D-ND	-4.21	118.88	124.80
13	bA	804	CLA	C3D-C4D-ND	4.21	116.83	109.99
13	aA	814	CLA	C4A-NA-C1A	-4.21	104.76	106.68
13	bA	806	CLA	C4A-NA-C1A	-4.21	104.76	106.68
13	dA	840	CLA	C4A-NA-C1A	-4.21	104.76	106.68
13	aL	204	CLA	C1D-CHD-C4C	-4.21	117.08	126.02
13	bB	810	CLA	C3B-C2B-C1B	-4.21	102.21	107.17
13	dB	823	CLA	C3D-C4D-ND	4.21	116.82	109.99
13	dB	832	CLA	C1D-CHD-C4C	-4.21	117.08	126.02
13	dB	813	CLA	C3D-C2D-C1D	-4.20	100.09	105.83
13	aB	803	CLA	O2D-CGD-CBD	4.20	118.58	111.23
13	aA	806	CLA	C1D-CHD-C4C	-4.20	117.09	126.02
13	bA	837	CLA	C4A-NA-C1A	-4.20	104.76	106.68
13	bA	830	CLA	C1D-CHD-C4C	-4.20	117.09	126.02
13	cA	816	CLA	C3D-C4D-ND	4.20	116.82	109.99
13	cB	834	CLA	C3D-C4D-ND	4.20	116.82	109.99
13	cB	803	CLA	O2D-CGD-CBD	4.20	118.57	111.23
13	dA	844	CLA	CHD-C1D-ND	-4.20	118.89	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	839	CLA	C3D-C2D-C1D	-4.20	100.10	105.83
13	dB	821	CLA	CHD-C1D-ND	-4.20	118.89	124.80
13	dA	836	CLA	C3D-C2D-C1D	-4.20	100.10	105.83
13	bA	815	CLA	C1D-CHD-C4C	-4.20	117.10	126.02
13	cB	806	CLA	C4A-NA-C1A	-4.20	104.76	106.68
13	cK	201	CLA	C3B-C4B-NB	4.20	114.28	110.53
13	cA	813	CLA	C3D-C2D-C1D	-4.20	100.10	105.83
13	cA	806	CLA	C1D-CHD-C4C	-4.20	117.10	126.02
13	bA	836	CLA	C3D-C2D-C1D	-4.20	100.10	105.83
13	dB	810	CLA	C3B-C2B-C1B	-4.20	102.22	107.17
13	dF	201	CLA	C1C-C2C-C3C	-4.20	102.57	106.98
13	cF	201	CLA	O2D-CGD-CBD	4.20	118.56	111.23
13	bA	844	CLA	CHD-C1D-ND	-4.20	118.90	124.80
13	cB	831	CLA	C4A-NA-C1A	-4.20	104.77	106.68
13	dA	812	CLA	C4A-NA-C1A	-4.20	104.77	106.68
13	cB	823	CLA	C3B-C4B-NB	4.20	114.28	110.53
13	cA	829	CLA	C1D-CHD-C4C	-4.19	117.11	126.02
13	dL	203	CLA	CHD-C1D-ND	-4.19	118.90	124.80
13	bF	204	CLA	C1C-C2C-C3C	-4.19	102.57	106.98
13	aB	827	CLA	CMB-C2B-C1B	4.19	131.80	125.42
13	bL	203	CLA	CHD-C1D-ND	-4.19	118.90	124.80
13	cB	829	CLA	C3D-C4D-ND	4.19	116.80	109.99
13	bA	819	CLA	C3D-C2D-C1D	-4.19	100.11	105.83
13	aA	833	CLA	CAA-C2A-C3A	-4.19	101.67	113.00
13	dA	815	CLA	C1D-CHD-C4C	-4.19	117.11	126.02
13	dB	824	CLA	C3D-C4D-ND	4.19	116.80	109.99
13	cB	833	CLA	C1D-CHD-C4C	-4.19	117.11	126.02
13	aB	829	CLA	C3D-C4D-ND	4.19	116.80	109.99
13	bA	827	CLA	C2C-C1C-NC	4.19	114.38	109.98
13	cL	202	CLA	C3D-C4D-ND	4.19	116.80	109.99
13	aA	826	CLA	C3D-C2D-C1D	-4.19	100.12	105.83
13	dA	828	CLA	C1D-CHD-C4C	-4.19	117.12	126.02
13	bA	841	CLA	C3D-C4D-ND	4.19	116.79	109.99
13	aB	833	CLA	CHD-C1D-ND	-4.19	118.91	124.80
13	bA	842	CLA	CHD-C1D-ND	-4.19	118.91	124.80
13	dB	815	CLA	C3D-C4D-ND	4.19	116.79	109.99
13	dA	832	CLA	CAC-C3C-C4C	4.19	130.24	124.79
13	cB	827	CLA	CMB-C2B-C1B	4.19	131.79	125.42
13	dB	802	CLA	C4-C3-C5	4.18	122.49	115.23
13	dF	204	CLA	CHD-C1D-ND	-4.18	118.91	124.80
13	cA	802	CLA	C1C-C2C-C3C	-4.18	102.58	106.98
13	bA	809	CLA	C3D-C4D-ND	4.18	116.79	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aF	201	CLA	O2D-CGD-CBD	4.18	118.54	111.23
13	aB	833	CLA	C1D-CHD-C4C	-4.18	117.13	126.02
13	cB	819	CLA	C4A-NA-C1A	-4.18	104.77	106.68
13	bA	825	CLA	C1C-C2C-C3C	-4.18	102.58	106.98
13	cA	833	CLA	CAA-C2A-C3A	-4.18	101.70	113.00
13	dA	841	CLA	C3D-C4D-ND	4.18	116.78	109.99
13	bA	828	CLA	C1D-CHD-C4C	-4.18	117.13	126.02
13	aB	834	CLA	C3D-C4D-ND	4.18	116.78	109.99
13	dB	808	CLA	C3D-C4D-ND	4.18	116.78	109.99
13	bA	832	CLA	CAC-C3C-C4C	4.18	130.23	124.79
13	aB	808	CLA	CHD-C1D-ND	-4.18	118.92	124.80
13	cA	826	CLA	C3D-C2D-C1D	-4.18	100.13	105.83
13	aL	202	CLA	C3D-C4D-ND	4.18	116.78	109.99
13	dA	825	CLA	C1C-C2C-C3C	-4.18	102.58	106.98
13	bB	802	CLA	C4-C3-C5	4.18	122.48	115.23
13	dB	805	CLA	C3D-C4D-ND	4.18	116.78	109.99
13	dA	819	CLA	C3D-C2D-C1D	-4.18	100.13	105.83
13	dB	813	CLA	C3C-C4C-NC	4.18	115.78	110.43
13	bF	204	CLA	CHD-C1D-ND	-4.18	118.92	124.80
13	cB	833	CLA	CHD-C1D-ND	-4.18	118.92	124.80
13	cA	807	CLA	C1D-CHD-C4C	-4.18	117.14	126.02
13	dA	839	CLA	C3D-C2D-C1D	-4.18	100.13	105.83
13	bB	805	CLA	C3D-C4D-ND	4.18	116.77	109.99
13	aB	833	CLA	C3B-C4B-NB	4.17	114.26	110.53
13	aA	829	CLA	C1D-CHD-C4C	-4.17	117.15	126.02
13	dA	844	CLA	C1-O2A-CGA	4.17	126.75	116.65
13	bB	824	CLA	C3D-C4D-ND	4.17	116.77	109.99
13	aA	822	CLA	C2C-C1C-NC	4.17	114.37	109.98
13	dA	809	CLA	C3D-C4D-ND	4.17	116.77	109.99
13	cB	831	CLA	C1D-CHD-C4C	-4.17	117.15	126.02
13	cB	833	CLA	C3B-C4B-NB	4.17	114.25	110.53
13	aL	203	CLA	CHD-C1D-ND	-4.17	118.93	124.80
13	cA	809	CLA	CHD-C1D-ND	-4.17	118.93	124.80
13	aA	839	CLA	C1D-CHD-C4C	-4.17	117.15	126.02
13	aA	833	CLA	C3D-C4D-ND	4.17	116.77	109.99
13	aA	806	CLA	O2D-CGD-CBD	4.17	118.52	111.23
13	dA	813	CLA	C3D-C2D-C1D	-4.17	100.14	105.83
13	aB	834	CLA	C3B-C4B-NB	4.17	114.25	110.53
13	cB	834	CLA	C3B-C4B-NB	4.17	114.25	110.53
13	cL	203	CLA	CHD-C1D-ND	-4.17	118.93	124.80
13	aB	831	CLA	C1D-CHD-C4C	-4.17	117.16	126.02
13	aB	811	CLA	C3B-C2B-C1B	-4.17	102.25	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	816	CLA	CHD-C1D-ND	-4.17	118.93	124.80
13	bF	201	CLA	C1C-C2C-C3C	-4.17	102.59	106.98
13	bB	813	CLA	C3D-C2D-C1D	-4.17	100.14	105.83
13	cA	833	CLA	C3D-C4D-ND	4.17	116.76	109.99
13	cA	806	CLA	O2D-CGD-CBD	4.17	118.52	111.23
13	aA	804	CLA	C4A-NA-C1A	-4.17	104.78	106.68
13	aB	830	CLA	C4A-NA-C1A	-4.17	104.78	106.68
13	bJ	101	CLA	C3D-C4D-ND	4.17	116.76	109.99
13	dA	824	CLA	C1D-CHD-C4C	-4.17	117.17	126.02
13	aA	831	CLA	C3B-C2B-C1B	-4.16	102.26	107.17
13	cB	811	CLA	C3B-C2B-C1B	-4.16	102.26	107.17
13	cB	826	CLA	C2C-C1C-NC	4.16	114.36	109.98
13	bB	813	CLA	C3C-C4C-NC	4.16	115.76	110.43
13	aA	835	CLA	CHD-C1D-ND	-4.16	118.94	124.80
13	aA	807	CLA	C1D-CHD-C4C	-4.16	117.18	126.02
13	cB	811	CLA	CAC-C3C-C4C	4.16	130.20	124.79
13	bA	839	CLA	C3D-C4D-ND	4.16	116.75	109.99
13	dA	810	CLA	C2C-C1C-NC	4.16	114.35	109.98
13	bA	844	CLA	C1-O2A-CGA	4.16	126.72	116.65
13	dA	821	CLA	C1D-CHD-C4C	-4.16	117.18	126.02
13	aB	813	CLA	CAA-C2A-C3A	-4.16	101.76	113.00
13	dA	837	CLA	C1D-CHD-C4C	-4.16	117.18	126.02
13	cB	808	CLA	CHD-C1D-ND	-4.16	118.95	124.80
13	bA	837	CLA	C1D-CHD-C4C	-4.16	117.19	126.02
13	cA	839	CLA	C1D-CHD-C4C	-4.16	117.19	126.02
13	dA	820	CLA	C1D-CHD-C4C	-4.16	117.19	126.02
13	cA	804	CLA	C4A-NA-C1A	-4.16	104.78	106.68
13	cA	814	CLA	CHD-C1D-ND	-4.15	118.96	124.80
13	aA	841	CLA	C1C-C2C-C3C	-4.15	102.61	106.98
13	cA	835	CLA	CHD-C1D-ND	-4.15	118.96	124.80
13	dA	822	CLA	C2B-C1B-NB	4.15	114.63	110.33
13	cA	812	CLA	C1D-CHD-C4C	-4.15	117.19	126.02
13	bA	813	CLA	C3D-C2D-C1D	-4.15	100.16	105.83
13	bA	824	CLA	C1D-CHD-C4C	-4.15	117.19	126.02
13	bA	822	CLA	C2B-C1B-NB	4.15	114.63	110.33
13	bB	803	CLA	C3C-C4C-NC	4.15	115.75	110.43
13	aA	818	CLA	CHD-C1D-ND	-4.15	118.96	124.80
13	aA	841	CLA	C1D-CHD-C4C	-4.15	117.20	126.02
13	dA	839	CLA	C3D-C4D-ND	4.15	116.73	109.99
13	dA	844	CLA	O2D-CGD-O1D	-4.15	115.77	123.85
13	bB	808	CLA	C3D-C4D-ND	4.15	116.73	109.99
13	bB	829	CLA	C4A-NA-C1A	-4.15	104.79	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	827	CLA	C2C-C1C-NC	4.15	114.34	109.98
13	aA	809	CLA	CHD-C1D-ND	-4.15	118.96	124.80
13	bA	821	CLA	C1D-CHD-C4C	-4.15	117.20	126.02
13	bA	820	CLA	C1D-CHD-C4C	-4.15	117.20	126.02
13	aB	826	CLA	C2C-C1C-NC	4.15	114.34	109.98
13	aB	808	CLA	C4A-NA-C1A	-4.15	104.79	106.68
13	cA	810	CLA	C3D-C4D-ND	4.15	116.73	109.99
13	aA	827	CLA	C3D-C4D-ND	4.15	116.73	109.99
13	dJ	101	CLA	C3D-C4D-ND	4.15	116.73	109.99
13	cA	803	CLA	C1D-CHD-C4C	-4.14	117.21	126.02
13	dA	816	CLA	O2D-CGD-CBD	4.14	118.48	111.23
13	cA	827	CLA	C3D-C4D-ND	4.14	116.72	109.99
13	bA	810	CLA	CAA-CBA-CGA	-4.14	101.44	112.49
13	dB	803	CLA	C3C-C4C-NC	4.14	115.74	110.43
13	aA	835	CLA	C3D-C4D-ND	4.14	116.72	109.99
13	cB	813	CLA	CAA-C2A-C3A	-4.14	101.80	113.00
13	bA	826	CLA	C3D-C2D-C1D	-4.14	100.18	105.83
13	aB	821	CLA	C1D-CHD-C4C	-4.14	117.21	126.02
13	aA	814	CLA	CHD-C1D-ND	-4.14	118.97	124.80
13	bA	816	CLA	O2D-CGD-CBD	4.14	118.47	111.23
13	cA	841	CLA	C1D-CHD-C4C	-4.14	117.22	126.02
13	bA	810	CLA	C2C-C1C-NC	4.14	114.33	109.98
13	cB	821	CLA	CHD-C1D-ND	-4.14	118.97	124.80
13	cA	841	CLA	C1C-C2C-C3C	-4.14	102.63	106.98
13	cB	816	CLA	C3D-C4D-ND	4.14	116.72	109.99
13	bA	831	CLA	O2D-CGD-O1D	-4.14	115.79	123.85
13	dA	810	CLA	CAA-CBA-CGA	-4.14	101.45	112.49
13	cA	831	CLA	C3B-C2B-C1B	-4.14	102.29	107.17
13	dA	838	CLA	C2D-C1D-ND	4.14	114.22	110.13
13	cB	808	CLA	C4A-NA-C1A	-4.14	104.79	106.68
13	bA	844	CLA	O2D-CGD-O1D	-4.14	115.80	123.85
13	cA	823	CLA	O2D-CGD-O1D	-4.14	115.80	123.85
13	cA	818	CLA	CHD-C1D-ND	-4.13	118.98	124.80
13	aB	821	CLA	CHD-C1D-ND	-4.13	118.98	124.80
13	aA	812	CLA	C1D-CHD-C4C	-4.13	117.23	126.02
13	aA	837	CLA	C3D-C4D-ND	4.13	116.70	109.99
13	dA	806	CLA	C4A-NA-C1A	-4.13	104.79	106.68
13	aB	816	CLA	CHD-C1D-ND	-4.13	118.99	124.80
15	dA	849	BCR	C11-C10-C9	-4.13	121.48	127.28
13	aB	801	CLA	C3C-C4C-NC	4.13	115.72	110.43
13	dA	816	CLA	CHD-C1D-ND	-4.13	118.99	124.80
15	bA	849	BCR	C11-C10-C9	-4.13	121.49	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	803	CLA	C1D-CHD-C4C	-4.13	117.24	126.02
13	aA	823	CLA	O2D-CGD-O1D	-4.13	115.81	123.85
13	dB	814	CLA	C1D-CHD-C4C	-4.13	117.24	126.02
13	bA	839	CLA	C1D-CHD-C4C	-4.13	117.25	126.02
13	bA	838	CLA	C2D-C1D-ND	4.13	114.21	110.13
13	cA	803	CLA	C4A-NA-C1A	-4.13	104.80	106.68
13	cA	814	CLA	C4A-NA-C1A	-4.13	104.80	106.68
13	bB	827	CLA	C1D-CHD-C4C	-4.13	117.25	126.02
13	dA	831	CLA	O2D-CGD-O1D	-4.13	115.82	123.85
13	bA	815	CLA	C3D-C2D-C1D	-4.13	100.20	105.83
13	aB	816	CLA	C3D-C4D-ND	4.13	116.69	109.99
13	dA	825	CLA	C3D-C4D-ND	4.13	116.69	109.99
13	dB	811	CLA	C4A-NA-C1A	-4.13	104.80	106.68
13	dA	809	CLA	C3B-C2B-C1B	-4.12	102.31	107.17
13	aB	831	CLA	C3D-C4D-ND	4.12	116.69	109.99
13	bA	816	CLA	CHD-C1D-ND	-4.12	119.00	124.80
13	aA	825	CLA	C3D-C4D-ND	4.12	116.69	109.99
13	cA	835	CLA	C3D-C4D-ND	4.12	116.69	109.99
13	bB	814	CLA	C1D-CHD-C4C	-4.12	117.26	126.02
13	dA	815	CLA	C3D-C2D-C1D	-4.12	100.21	105.83
13	cB	821	CLA	C1D-CHD-C4C	-4.12	117.27	126.02
13	bA	825	CLA	C3D-C4D-ND	4.12	116.68	109.99
13	dA	815	CLA	CHD-C1D-ND	-4.12	119.01	124.80
13	aA	803	CLA	C4A-NA-C1A	-4.12	104.80	106.68
13	aB	811	CLA	CAC-C3C-C4C	4.12	130.15	124.79
13	dA	839	CLA	C1D-CHD-C4C	-4.12	117.27	126.02
13	aA	810	CLA	C3D-C4D-ND	4.12	116.68	109.99
13	bA	805	CLA	C2C-C1C-NC	4.12	114.31	109.98
13	bA	809	CLA	C3B-C2B-C1B	-4.12	102.32	107.17
13	dA	838	CLA	O2D-CGD-O1D	-4.12	115.84	123.85
13	aA	831	CLA	C3B-C4B-NB	4.11	114.20	110.53
13	cB	831	CLA	C3D-C4D-ND	4.11	116.67	109.99
13	bB	832	CLA	O2D-CGD-O1D	-4.11	115.84	123.85
13	dA	844	CLA	C2C-C1C-NC	4.11	114.30	109.98
13	bA	815	CLA	CHD-C1D-ND	-4.11	119.02	124.80
13	aA	811	CLA	C4A-NA-C1A	-4.11	104.80	106.68
13	aB	831	CLA	C4A-NA-C1A	-4.11	104.80	106.68
13	bA	842	CLA	C4A-NA-C1A	-4.11	104.80	106.68
13	dB	821	CLA	C3D-C4D-ND	4.11	116.67	109.99
13	dA	826	CLA	C3D-C2D-C1D	-4.11	100.22	105.83
13	cB	801	CLA	C3C-C4C-NC	4.11	115.70	110.43
13	cB	833	CLA	C1C-C2C-C3C	-4.11	102.66	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	829	CLA	C2C-C1C-NC	4.11	114.30	109.98
13	cA	825	CLA	C3D-C4D-ND	4.11	116.67	109.99
13	dB	827	CLA	C1D-CHD-C4C	-4.11	117.28	126.02
13	aB	824	CLA	CHD-C1D-ND	-4.11	119.02	124.80
13	cA	837	CLA	C3D-C4D-ND	4.11	116.67	109.99
13	bB	805	CLA	C2C-C1C-NC	4.11	114.30	109.98
13	cA	814	CLA	C2C-C1C-NC	4.11	114.30	109.98
13	cA	820	CLA	C3D-C4D-ND	4.11	116.66	109.99
13	dA	838	CLA	C3D-C2D-C1D	-4.10	100.23	105.83
13	cA	829	CLA	C2C-C1C-NC	4.10	114.29	109.98
13	dA	841	CLA	CHD-C1D-ND	-4.10	119.03	124.80
13	bA	841	CLA	CHD-C1D-ND	-4.10	119.03	124.80
13	dA	814	CLA	C2C-C1C-NC	4.10	114.29	109.98
13	cB	824	CLA	CHD-C1D-ND	-4.10	119.03	124.80
13	dB	832	CLA	O2D-CGD-O1D	-4.10	115.86	123.85
13	bA	844	CLA	C2C-C1C-NC	4.10	114.29	109.98
13	bA	841	CLA	C1D-CHD-C4C	-4.10	117.30	126.02
13	cA	818	CLA	O2D-CGD-CBD	4.10	118.40	111.23
13	aA	818	CLA	O2D-CGD-CBD	4.10	118.40	111.23
13	dA	837	CLA	C3D-C4D-ND	4.10	116.65	109.99
13	cA	838	CLA	CHD-C1D-ND	-4.10	119.03	124.80
13	aB	819	CLA	C4A-NA-C1A	-4.10	104.81	106.68
13	aB	812	CLA	C2C-C1C-NC	4.10	114.29	109.98
13	aB	828	CLA	CHD-C1D-ND	-4.10	119.03	124.80
13	dA	841	CLA	C1D-CHD-C4C	-4.10	117.31	126.02
13	dB	820	CLA	O2D-CGD-CBD	4.10	118.39	111.23
13	bB	817	CLA	C1C-C2C-C3C	-4.10	102.67	106.98
13	aJ	101	CLA	CHD-C1D-ND	-4.10	119.04	124.80
13	aK	203	CLA	C3D-C4D-ND	4.10	116.65	109.99
13	aB	806	CLA	C1D-CHD-C4C	-4.10	117.31	126.02
13	dA	805	CLA	C2C-C1C-NC	4.10	114.28	109.98
13	bB	822	CLA	C1D-CHD-C4C	-4.10	117.32	126.02
13	cB	806	CLA	C1D-CHD-C4C	-4.10	117.32	126.02
13	cB	812	CLA	C2C-C1C-NC	4.09	114.28	109.98
13	dA	842	CLA	C4A-NA-C1A	-4.09	104.81	106.68
13	bA	838	CLA	C3D-C2D-C1D	-4.09	100.24	105.83
13	bA	814	CLA	C2C-C1C-NC	4.09	114.28	109.98
13	bL	202	CLA	CMB-C2B-C1B	4.09	131.65	125.42
13	aA	806	CLA	C3D-C4D-ND	4.09	116.64	109.99
13	cA	823	CLA	C1C-C2C-C3C	-4.09	102.68	106.98
13	cA	809	CLA	O2D-CGD-CBD	4.09	118.38	111.23
13	dA	843	CLA	C3D-C4D-ND	4.09	116.64	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cF	201	CLA	C3D-C4D-ND	4.09	116.64	109.99
13	cA	804	CLA	C1D-CHD-C4C	-4.09	117.33	126.02
13	aA	843	CLA	CHD-C1D-ND	-4.09	119.05	124.80
13	cA	843	CLA	CHD-C1D-ND	-4.09	119.05	124.80
13	bB	811	CLA	C4A-NA-C1A	-4.09	104.81	106.68
13	aA	820	CLA	C3D-C4D-ND	4.09	116.64	109.99
13	bA	838	CLA	O2D-CGD-O1D	-4.09	115.89	123.85
13	aA	804	CLA	C1D-CHD-C4C	-4.09	117.33	126.02
13	dB	822	CLA	C1D-CHD-C4C	-4.09	117.33	126.02
13	cB	807	CLA	C3B-C2B-C1B	-4.09	102.35	107.17
13	bB	821	CLA	C3D-C4D-ND	4.09	116.63	109.99
13	cB	827	CLA	CAC-C3C-C4C	4.09	130.11	124.79
13	aA	824	CLA	CHD-C1D-ND	-4.09	119.05	124.80
13	cJ	101	CLA	CHD-C1D-ND	-4.09	119.05	124.80
13	cA	802	CLA	C3D-C2D-C1D	-4.08	100.26	105.83
13	cA	831	CLA	C3B-C4B-NB	4.08	114.18	110.53
13	aB	827	CLA	CAC-C3C-C4C	4.08	130.10	124.79
13	cA	822	CLA	CHD-C1D-ND	-4.08	119.06	124.80
13	bB	802	CLA	C3D-C4D-ND	4.08	116.62	109.99
13	cK	203	CLA	C3D-C4D-ND	4.08	116.62	109.99
12	aA	801	CL0	CAA-C2A-C3A	-4.08	101.97	113.00
13	aA	809	CLA	O2D-CGD-CBD	4.08	118.37	111.23
13	bB	826	CLA	O2D-CGD-CBD	4.08	118.37	111.23
13	cA	822	CLA	O2D-CGD-CBD	4.08	118.37	111.23
13	cB	828	CLA	CHD-C1D-ND	-4.08	119.06	124.80
13	cB	804	CLA	CMB-C2B-C1B	4.08	131.63	125.42
13	aA	823	CLA	C1C-C2C-C3C	-4.08	102.69	106.98
13	bA	837	CLA	C3D-C4D-ND	4.08	116.62	109.99
13	dB	805	CLA	C2C-C1C-NC	4.08	114.27	109.98
13	cA	806	CLA	C3D-C4D-ND	4.08	116.62	109.99
13	aF	201	CLA	C3D-C4D-ND	4.08	116.62	109.99
13	aB	804	CLA	CMB-C2B-C1B	4.08	131.63	125.42
13	dL	202	CLA	CMB-C2B-C1B	4.08	131.63	125.42
13	aB	833	CLA	C1C-C2C-C3C	-4.08	102.69	106.98
13	bA	804	CLA	CHD-C1D-ND	-4.08	119.06	124.80
13	bA	802	CLA	C3B-C4B-NB	4.08	114.17	110.53
13	aB	811	CLA	C3D-C4D-ND	4.08	116.61	109.99
13	cB	811	CLA	C3D-C4D-ND	4.07	116.61	109.99
13	bB	824	CLA	C4A-NA-C1A	-4.07	104.82	106.68
13	aA	835	CLA	C1D-CHD-C4C	-4.07	117.36	126.02
13	aA	802	CLA	C3D-C2D-C1D	-4.07	100.27	105.83
13	dA	840	CLA	C1C-C2C-C3C	-4.07	102.69	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	835	CLA	C1D-CHD-C4C	-4.07	117.36	126.02
13	dB	819	CLA	CAA-C2A-C3A	-4.07	101.99	113.00
13	dA	839	CLA	C4B-C3B-C2B	-4.07	102.24	107.30
13	aA	822	CLA	O2D-CGD-CBD	4.07	118.35	111.23
13	bA	843	CLA	C3D-C4D-ND	4.07	116.61	109.99
13	bA	839	CLA	C4B-C3B-C2B	-4.07	102.24	107.30
13	aA	814	CLA	C2C-C1C-NC	4.07	114.26	109.98
13	aB	830	CLA	C3D-C4D-ND	4.07	116.60	109.99
13	aB	819	CLA	CHD-C1D-ND	-4.07	119.07	124.80
13	bB	819	CLA	CAA-C2A-C3A	-4.07	102.00	113.00
13	cB	806	CLA	C2C-C1C-NC	4.07	114.26	109.98
13	bB	825	CLA	C1D-CHD-C4C	-4.07	117.37	126.02
13	dA	804	CLA	CHD-C1D-ND	-4.07	119.08	124.80
13	cA	840	CLA	C3D-C4D-ND	4.07	116.60	109.99
13	dB	826	CLA	O2D-CGD-CBD	4.07	118.34	111.23
13	aB	807	CLA	C3B-C2B-C1B	-4.07	102.38	107.17
12	cA	801	CL0	CAA-C2A-C3A	-4.07	102.01	113.00
13	dB	817	CLA	C1C-C2C-C3C	-4.07	102.70	106.98
13	dA	812	CLA	CAC-C3C-C4C	4.07	130.08	124.79
13	aA	822	CLA	CHD-C1D-ND	-4.07	119.08	124.80
13	cA	814	CLA	C3D-C4D-ND	4.06	116.59	109.99
13	dB	804	CLA	CMD-C2D-C1D	4.06	131.88	124.73
13	bA	812	CLA	CAC-C3C-C4C	4.06	130.08	124.79
13	aA	840	CLA	C3D-C4D-ND	4.06	116.59	109.99
13	dA	808	CLA	C4A-NA-C1A	-4.06	104.83	106.68
13	bB	820	CLA	O2D-CGD-CBD	4.06	118.33	111.23
13	bB	804	CLA	CMD-C2D-C1D	4.06	131.88	124.73
13	cA	830	CLA	C3D-C4D-ND	4.06	116.59	109.99
13	bA	819	CLA	C1D-CHD-C4C	-4.06	117.39	126.02
13	aA	813	CLA	C4A-NA-C1A	-4.06	104.83	106.68
13	bB	823	CLA	C1C-C2C-C3C	-4.06	102.71	106.98
13	bB	807	CLA	C1D-CHD-C4C	-4.06	117.39	126.02
13	aA	838	CLA	CHD-C1D-ND	-4.06	119.09	124.80
13	aA	831	CLA	C4A-NA-C1A	-4.06	104.83	106.68
13	bA	831	CLA	C3D-C4D-ND	4.06	116.58	109.99
13	dA	834	CLA	C3D-C4D-ND	4.06	116.58	109.99
13	cA	814	CLA	C1D-CHD-C4C	-4.06	117.40	126.02
13	aF	201	CLA	CHD-C1D-ND	-4.05	119.10	124.80
13	cA	824	CLA	CHD-C1D-ND	-4.05	119.10	124.80
13	dA	819	CLA	C1D-CHD-C4C	-4.05	117.40	126.02
13	aA	814	CLA	C1D-CHD-C4C	-4.05	117.40	126.02
13	dB	814	CLA	CMD-C2D-C3D	-4.05	118.39	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	802	CLA	C3D-C4D-ND	4.05	116.58	109.99
13	cB	830	CLA	C4A-NA-C1A	-4.05	104.83	106.68
13	dB	824	CLA	C4A-NA-C1A	-4.05	104.83	106.68
13	dB	807	CLA	C1D-CHD-C4C	-4.05	117.41	126.02
13	aB	806	CLA	C2C-C1C-NC	4.05	114.24	109.98
13	bA	813	CLA	C1D-CHD-C4C	-4.05	117.41	126.02
13	aA	825	CLA	C1C-C2C-C3C	-4.05	102.72	106.98
13	cB	819	CLA	CHD-C1D-ND	-4.05	119.10	124.80
13	bB	812	CLA	C4A-NA-C1A	-4.05	104.83	106.68
13	cL	202	CLA	CHD-C1D-ND	-4.05	119.10	124.80
13	aA	814	CLA	C3D-C4D-ND	4.05	116.57	109.99
13	aA	838	CLA	C1C-C2C-C3C	-4.05	102.72	106.98
13	dB	819	CLA	C1C-C2C-C3C	-4.05	102.72	106.98
13	dB	823	CLA	C1D-CHD-C4C	-4.05	117.41	126.02
13	bA	840	CLA	C1C-C2C-C3C	-4.05	102.72	106.98
13	aL	204	CLA	CHD-C1D-ND	-4.05	119.10	124.80
13	cA	813	CLA	C4A-NA-C1A	-4.05	104.83	106.68
13	cA	838	CLA	C1C-C2C-C3C	-4.05	102.72	106.98
13	aA	842	CLA	C3D-C4D-ND	4.05	116.57	109.99
13	cB	830	CLA	C3D-C4D-ND	4.05	116.57	109.99
13	cA	841	CLA	C3B-C4B-NB	4.05	114.14	110.53
13	bB	818	CLA	C3D-C4D-ND	4.05	116.56	109.99
13	dB	825	CLA	C1D-CHD-C4C	-4.05	117.42	126.02
13	dA	831	CLA	C3D-C4D-ND	4.04	116.56	109.99
13	bA	827	CLA	C1D-CHD-C4C	-4.04	117.42	126.02
13	aB	801	CLA	CMB-C2B-C1B	4.04	131.58	125.42
13	bA	834	CLA	C3D-C4D-ND	4.04	116.56	109.99
13	aA	803	CLA	C3D-C2D-C1D	-4.04	100.31	105.83
13	cF	201	CLA	CHD-C1D-ND	-4.04	119.11	124.80
13	cB	832	CLA	C1D-CHD-C4C	-4.04	117.43	126.02
13	aA	802	CLA	C3D-C4D-ND	4.04	116.56	109.99
13	aA	811	CLA	C1D-CHD-C4C	-4.04	117.43	126.02
13	aA	841	CLA	C3B-C4B-NB	4.04	114.14	110.53
13	cB	807	CLA	C1C-C2C-C3C	-4.04	102.73	106.98
13	cL	204	CLA	CHD-C1D-ND	-4.04	119.11	124.80
13	cA	818	CLA	C2C-C1C-NC	4.04	114.23	109.98
13	bB	823	CLA	C1D-CHD-C4C	-4.04	117.43	126.02
13	aA	830	CLA	C3D-C4D-ND	4.04	116.56	109.99
13	dA	813	CLA	C1D-CHD-C4C	-4.04	117.43	126.02
13	cB	834	CLA	CHC-C1C-C2C	-4.04	115.46	126.95
13	cA	825	CLA	C1C-C2C-C3C	-4.04	102.73	106.98
13	aA	815	CLA	C3D-C4D-ND	4.04	116.56	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aL	203	CLA	C4A-NA-C1A	-4.04	104.84	106.68
13	bB	814	CLA	CMD-C2D-C3D	-4.04	118.43	127.69
13	aA	818	CLA	C2C-C1C-NC	4.04	114.22	109.98
13	cA	820	CLA	CHD-C1D-ND	-4.04	119.12	124.80
13	aA	841	CLA	O2D-CGD-CBD	4.04	118.29	111.23
13	aB	832	CLA	C1D-CHD-C4C	-4.04	117.44	126.02
13	dB	805	CLA	C1D-CHD-C4C	-4.04	117.44	126.02
13	bB	808	CLA	C3B-C2B-C1B	-4.04	102.41	107.17
13	cA	803	CLA	C3D-C2D-C1D	-4.04	100.32	105.83
13	bA	808	CLA	C4A-NA-C1A	-4.04	104.84	106.68
13	bA	843	CLA	C3B-C2B-C1B	-4.03	102.41	107.17
13	dA	812	CLA	C1D-CHD-C4C	-4.03	117.44	126.02
13	cA	815	CLA	C3D-C4D-ND	4.03	116.55	109.99
13	cA	811	CLA	C1D-CHD-C4C	-4.03	117.45	126.02
13	dA	827	CLA	C1D-CHD-C4C	-4.03	117.45	126.02
13	bA	812	CLA	C1D-CHD-C4C	-4.03	117.45	126.02
13	dB	808	CLA	C3B-C2B-C1B	-4.03	102.42	107.17
13	cA	825	CLA	C1D-CHD-C4C	-4.03	117.45	126.02
13	aB	834	CLA	CHC-C1C-C2C	-4.03	115.49	126.95
13	cA	826	CLA	O2D-CGD-CBD	4.03	118.28	111.23
13	aA	825	CLA	C1D-CHD-C4C	-4.03	117.45	126.02
13	aL	202	CLA	CHD-C1D-ND	-4.03	119.13	124.80
13	cB	801	CLA	CMB-C2B-C1B	4.03	131.56	125.42
13	dA	826	CLA	C3C-C4C-NC	4.03	115.59	110.43
13	dB	823	CLA	C1C-C2C-C3C	-4.03	102.74	106.98
13	cA	841	CLA	O2D-CGD-CBD	4.03	118.27	111.23
13	dA	843	CLA	C3B-C2B-C1B	-4.03	102.42	107.17
13	cL	203	CLA	C4A-NA-C1A	-4.03	104.84	106.68
13	bB	819	CLA	C3B-C4B-NB	4.03	114.12	110.53
13	aA	823	CLA	C1D-CHD-C4C	-4.03	117.46	126.02
13	dB	817	CLA	C1D-CHD-C4C	-4.03	117.46	126.02
13	bA	826	CLA	C3C-C4C-NC	4.02	115.59	110.43
13	cA	842	CLA	C3D-C4D-ND	4.02	116.53	109.99
13	cA	833	CLA	C1D-CHD-C4C	-4.02	117.47	126.02
13	dB	808	CLA	C2B-C1B-NB	4.02	114.50	110.33
13	aB	829	CLA	CHD-C1D-ND	-4.02	119.14	124.80
13	dA	806	CLA	C3D-C4D-ND	4.02	116.53	109.99
13	cA	802	CLA	C3D-C4D-ND	4.02	116.52	109.99
13	cA	843	CLA	C1D-CHD-C4C	-4.02	117.47	126.02
13	dB	818	CLA	C3D-C4D-ND	4.02	116.52	109.99
13	aA	833	CLA	C1D-CHD-C4C	-4.02	117.47	126.02
13	bB	808	CLA	C2B-C1B-NB	4.02	114.50	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	811	CLA	C4A-NA-C1A	-4.02	104.84	106.68
13	cB	829	CLA	CHD-C1D-ND	-4.02	119.14	124.80
13	aA	826	CLA	O2D-CGD-CBD	4.02	118.26	111.23
13	aA	826	CLA	C3C-C4C-NC	4.02	115.58	110.43
13	cA	823	CLA	C1D-CHD-C4C	-4.02	117.48	126.02
13	dB	819	CLA	C3B-C4B-NB	4.02	114.12	110.53
13	aA	820	CLA	CHD-C1D-ND	-4.02	119.15	124.80
13	dA	817	CLA	CHD-C1D-ND	-4.02	119.15	124.80
13	bB	817	CLA	C1D-CHD-C4C	-4.02	117.48	126.02
13	dB	824	CLA	C1C-C2C-C3C	-4.02	102.75	106.98
13	aA	834	CLA	C1D-CHD-C4C	-4.02	117.48	126.02
13	cA	831	CLA	C4A-NA-C1A	-4.02	104.85	106.68
13	cA	840	CLA	CHD-C1D-ND	-4.02	119.15	124.80
13	cB	804	CLA	CAC-C3C-C4C	4.02	130.02	124.79
13	bB	805	CLA	C1D-CHD-C4C	-4.02	117.48	126.02
13	cA	816	CLA	CHD-C1D-ND	-4.02	119.15	124.80
13	cA	834	CLA	C1D-CHD-C4C	-4.02	117.48	126.02
13	dA	802	CLA	C3B-C4B-NB	4.02	114.11	110.53
13	dA	826	CLA	C3B-C4B-NB	4.02	114.11	110.53
13	aA	843	CLA	C1D-CHD-C4C	-4.02	117.48	126.02
13	dA	814	CLA	C3C-C4C-NC	4.02	115.57	110.43
13	dA	832	CLA	C3D-C4D-ND	4.02	116.51	109.99
13	bA	836	CLA	C3B-C2B-C1B	-4.01	102.44	107.17
13	aB	807	CLA	C1C-C2C-C3C	-4.01	102.76	106.98
13	cA	827	CLA	CHD-C1D-ND	-4.01	119.15	124.80
13	cB	830	CLA	C3C-C4C-NC	4.01	115.57	110.43
13	dF	201	CLA	C1D-CHD-C4C	-4.01	117.49	126.02
13	dB	822	CLA	C3D-C2D-C1D	-4.01	100.36	105.83
13	aA	809	CLA	C3D-C4D-ND	4.01	116.51	109.99
13	bB	824	CLA	C1C-C2C-C3C	-4.01	102.76	106.98
13	bA	817	CLA	CHD-C1D-ND	-4.01	119.16	124.80
13	cB	814	CLA	C2C-C1C-NC	4.01	114.19	109.98
13	bA	806	CLA	C3D-C4D-ND	4.01	116.50	109.99
13	bA	832	CLA	C3D-C4D-ND	4.01	116.50	109.99
13	bB	822	CLA	C3D-C2D-C1D	-4.01	100.36	105.83
13	bB	802	CLA	C2B-C1B-NB	4.01	114.48	110.33
13	dB	802	CLA	C2B-C1B-NB	4.01	114.48	110.33
13	aA	816	CLA	C1D-CHD-C4C	-4.01	117.50	126.02
13	bB	819	CLA	C1C-C2C-C3C	-4.01	102.77	106.98
13	cA	809	CLA	C3D-C4D-ND	4.00	116.50	109.99
13	aA	813	CLA	C1D-CHD-C4C	-4.00	117.51	126.02
13	bF	201	CLA	C1D-CHD-C4C	-4.00	117.51	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	813	CLA	C1D-CHD-C4C	-4.00	117.51	126.02
13	dB	821	CLA	CAA-C2A-C3A	-4.00	102.18	113.00
13	aB	804	CLA	CAC-C3C-C4C	4.00	130.00	124.79
13	aA	841	CLA	C3D-C4D-ND	4.00	116.49	109.99
13	cA	842	CLA	CHD-C1D-ND	-4.00	119.17	124.80
13	bA	826	CLA	C3B-C4B-NB	4.00	114.10	110.53
13	bA	814	CLA	C3C-C4C-NC	4.00	115.55	110.43
13	cA	826	CLA	C3C-C4C-NC	4.00	115.55	110.43
13	cA	841	CLA	C3D-C4D-ND	4.00	116.49	109.99
13	aA	816	CLA	CHD-C1D-ND	-4.00	119.17	124.80
13	aA	827	CLA	CHD-C1D-ND	-4.00	119.18	124.80
13	aB	830	CLA	C3C-C4C-NC	4.00	115.55	110.43
13	cK	203	CLA	CHD-C1D-ND	-4.00	119.18	124.80
13	cA	840	CLA	C1C-C2C-C3C	-4.00	102.78	106.98
13	cA	830	CLA	C3D-C2D-C1D	-4.00	100.38	105.83
13	bB	818	CLA	C1C-C2C-C3C	-4.00	102.78	106.98
13	aA	830	CLA	C3D-C2D-C1D	-4.00	100.38	105.83
13	bB	810	CLA	C2B-C1B-NB	4.00	114.47	110.33
13	aB	832	CLA	C3D-C4D-ND	3.99	116.48	109.99
13	cB	832	CLA	C3D-C4D-ND	3.99	116.48	109.99
13	cA	816	CLA	C1D-CHD-C4C	-3.99	117.53	126.02
13	aA	840	CLA	CHD-C1D-ND	-3.99	119.18	124.80
13	cB	810	CLA	O2A-CGA-CBA	3.99	124.01	111.83
13	aB	814	CLA	C2C-C1C-NC	3.99	114.17	109.98
13	aA	809	CLA	C1D-CHD-C4C	-3.99	117.54	126.02
13	bF	204	CLA	C1D-CHD-C4C	-3.99	117.54	126.02
13	aA	842	CLA	CHD-C1D-ND	-3.99	119.19	124.80
13	bB	821	CLA	CAA-C2A-C3A	-3.99	102.22	113.00
13	bB	822	CLA	C4A-NA-C1A	-3.99	104.86	106.68
13	aA	819	CLA	C1D-CHD-C4C	-3.99	117.54	126.02
13	cA	819	CLA	C1D-CHD-C4C	-3.99	117.55	126.02
13	aK	203	CLA	CHD-C1D-ND	-3.99	119.19	124.80
13	cA	809	CLA	C1D-CHD-C4C	-3.98	117.55	126.02
13	cK	204	CLA	C3B-C4B-NB	3.98	114.09	110.53
13	aB	810	CLA	O2A-CGA-CBA	3.98	123.98	111.83
13	dA	815	CLA	C3D-C4D-ND	3.98	116.46	109.99
13	aA	840	CLA	C1C-C2C-C3C	-3.98	102.79	106.98
13	cA	821	CLA	C3B-C4B-NB	3.98	114.08	110.53
13	dA	824	CLA	C3B-C4B-NB	3.98	114.08	110.53
13	bL	202	CLA	C1C-C2C-C3C	-3.98	102.80	106.98
13	dA	833	CLA	C2C-C1C-NC	3.98	114.16	109.98
13	dB	818	CLA	C1C-C2C-C3C	-3.98	102.80	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aK	204	CLA	C3B-C4B-NB	3.98	114.08	110.53
13	cA	831	CLA	C4B-C3B-C2B	-3.98	102.36	107.30
13	cA	836	CLA	C1D-CHD-C4C	-3.98	117.57	126.02
13	dF	204	CLA	C1D-CHD-C4C	-3.98	117.57	126.02
13	dA	836	CLA	C3B-C2B-C1B	-3.98	102.48	107.17
13	bA	834	CLA	C3D-C2D-C1D	-3.98	100.41	105.83
13	bA	815	CLA	C3D-C4D-ND	3.98	116.45	109.99
13	aA	831	CLA	C4B-C3B-C2B	-3.98	102.36	107.30
13	dA	834	CLA	C3D-C2D-C1D	-3.97	100.41	105.83
15	cJ	104	BCR	C2-C1-C6	3.97	116.21	110.44
13	dA	828	CLA	C2C-C1C-NC	3.97	114.15	109.98
13	cA	808	CLA	C1D-CHD-C4C	-3.97	117.58	126.02
13	dB	810	CLA	C2B-C1B-NB	3.97	114.44	110.33
13	aA	834	CLA	C1C-C2C-C3C	-3.97	102.80	106.98
13	dL	202	CLA	C1C-C2C-C3C	-3.97	102.80	106.98
13	aA	808	CLA	C1D-CHD-C4C	-3.97	117.58	126.02
13	bA	828	CLA	C2C-C1C-NC	3.97	114.15	109.98
13	cB	808	CLA	C3D-C4D-ND	3.97	116.44	109.99
15	aB	837	BCR	C2-C1-C6	3.97	116.20	110.44
13	bA	824	CLA	C1C-C2C-C3C	-3.97	102.81	106.98
13	cB	806	CLA	C3D-C4D-ND	3.97	116.43	109.99
13	bB	803	CLA	C2C-C1C-NC	3.97	114.15	109.98
13	aA	815	CLA	C4A-NA-C1A	-3.97	104.87	106.68
13	aA	806	CLA	CAC-C3C-C4C	3.96	129.95	124.79
13	cA	834	CLA	C1C-C2C-C3C	-3.96	102.81	106.98
13	bA	817	CLA	C1D-CHD-C4C	-3.96	117.60	126.02
15	aJ	104	BCR	C2-C1-C6	3.96	116.19	110.44
13	aB	806	CLA	C3D-C4D-ND	3.96	116.43	109.99
13	cB	811	CLA	O2A-CGA-CBA	3.96	123.91	111.83
13	cA	829	CLA	C3D-C4D-ND	3.96	116.43	109.99
15	cB	837	BCR	C2-C1-C6	3.96	116.19	110.44
13	bB	802	CLA	CED-O2D-CGD	3.96	124.90	115.92
13	aB	808	CLA	C3D-C4D-ND	3.96	116.42	109.99
13	dB	802	CLA	CED-O2D-CGD	3.96	124.90	115.92
13	aB	811	CLA	O2A-CGA-CBA	3.96	123.91	111.83
13	bB	832	CLA	CHC-C1C-C2C	-3.96	115.70	126.95
13	bA	824	CLA	C3B-C4B-NB	3.96	114.06	110.53
13	dA	814	CLA	C3D-C4D-ND	3.96	116.42	109.99
13	cA	815	CLA	C4A-NA-C1A	-3.96	104.87	106.68
13	aA	836	CLA	C1D-CHD-C4C	-3.96	117.61	126.02
13	dB	803	CLA	C2C-C1C-NC	3.96	114.14	109.98
13	dB	832	CLA	CHC-C1C-C2C	-3.96	115.71	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	821	CLA	C3B-C4B-NB	3.96	114.06	110.53
13	dA	821	CLA	C3D-C4D-ND	3.95	116.42	109.99
13	cA	833	CLA	C1C-C2C-C3C	-3.95	102.82	106.98
13	aA	829	CLA	C3D-C4D-ND	3.95	116.41	109.99
13	aL	203	CLA	C1C-C2C-C3C	-3.95	102.82	106.98
13	bA	814	CLA	C3D-C4D-ND	3.95	116.41	109.99
13	cB	804	CLA	C2B-C1B-NB	3.95	114.42	110.33
13	cA	806	CLA	CAC-C3C-C4C	3.95	129.93	124.79
13	aA	822	CLA	C1D-CHD-C4C	-3.95	117.62	126.02
13	dA	817	CLA	C1D-CHD-C4C	-3.95	117.62	126.02
13	aA	831	CLA	C3C-C4C-NC	3.95	115.49	110.43
13	dB	803	CLA	CMB-C2B-C1B	3.95	131.43	125.42
13	dA	843	CLA	C1D-CHD-C4C	-3.95	117.63	126.02
13	bA	821	CLA	C3D-C4D-ND	3.95	116.41	109.99
13	bA	802	CLA	CHD-C1D-ND	-3.95	119.25	124.80
13	dF	201	CLA	CHD-C1D-ND	-3.95	119.25	124.80
13	cB	819	CLA	C1D-CHD-C4C	-3.95	117.63	126.02
13	aA	840	CLA	C1D-CHD-C4C	-3.95	117.63	126.02
13	aA	839	CLA	C4A-NA-C1A	-3.95	104.88	106.68
13	cB	807	CLA	C1D-CHD-C4C	-3.94	117.64	126.02
13	cA	841	CLA	CHD-C1D-ND	-3.94	119.25	124.80
13	dB	822	CLA	C4A-NA-C1A	-3.94	104.88	106.68
13	aA	841	CLA	CHD-C1D-ND	-3.94	119.25	124.80
13	bF	201	CLA	CHD-C1D-ND	-3.94	119.25	124.80
13	aA	838	CLA	C1D-CHD-C4C	-3.94	117.64	126.02
13	cA	840	CLA	C1D-CHD-C4C	-3.94	117.64	126.02
13	dA	835	CLA	C1D-CHD-C4C	-3.94	117.64	126.02
13	dB	820	CLA	C1D-CHD-C4C	-3.94	117.64	126.02
13	bB	826	CLA	C1C-C2C-C3C	-3.94	102.84	106.98
13	bB	803	CLA	CMB-C2B-C1B	3.94	131.42	125.42
13	aA	842	CLA	C1D-CHD-C4C	-3.94	117.65	126.02
13	cA	822	CLA	C1D-CHD-C4C	-3.94	117.65	126.02
13	aB	804	CLA	C2B-C1B-NB	3.94	114.41	110.33
13	dA	802	CLA	CHD-C1D-ND	-3.94	119.26	124.80
13	cB	828	CLA	C1C-C2C-C3C	-3.94	102.84	106.98
13	bA	835	CLA	C1D-CHD-C4C	-3.94	117.65	126.02
13	dA	824	CLA	C1C-C2C-C3C	-3.94	102.84	106.98
13	aB	804	CLA	C3D-C4D-ND	3.94	116.39	109.99
13	cB	801	CLA	C3B-C4B-NB	3.94	114.04	110.53
13	aB	824	CLA	C1C-C2C-C3C	-3.94	102.84	106.98
13	aA	802	CLA	CHD-C1D-ND	-3.94	119.26	124.80
13	aB	819	CLA	C1D-CHD-C4C	-3.94	117.66	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	828	CLA	C1C-C2C-C3C	-3.93	102.84	106.98
13	aB	807	CLA	C3B-C4B-NB	3.93	114.04	110.53
13	cA	838	CLA	C1D-CHD-C4C	-3.93	117.66	126.02
13	cB	803	CLA	C3C-C4C-NC	3.93	115.47	110.43
13	cB	824	CLA	C1C-C2C-C3C	-3.93	102.84	106.98
13	dB	831	CLA	C1C-C2C-C3C	-3.93	102.84	106.98
13	aB	801	CLA	C3B-C4B-NB	3.93	114.04	110.53
13	cB	827	CLA	C3B-C4B-NB	3.93	114.04	110.53
13	aB	807	CLA	C1D-CHD-C4C	-3.93	117.66	126.02
13	aB	803	CLA	C3C-C4C-NC	3.93	115.47	110.43
15	cL	206	BCR	C2-C1-C6	3.93	116.15	110.44
13	bA	843	CLA	C1D-CHD-C4C	-3.93	117.66	126.02
13	bA	823	CLA	C1D-CHD-C4C	-3.93	117.67	126.02
13	bB	820	CLA	C1D-CHD-C4C	-3.93	117.67	126.02
13	dA	823	CLA	C1D-CHD-C4C	-3.93	117.67	126.02
13	bB	812	CLA	CHD-C1D-ND	-3.93	119.27	124.80
13	dA	836	CLA	C4B-C3B-C2B	-3.93	102.42	107.30
13	bA	811	CLA	CHD-C1D-ND	-3.93	119.27	124.80
13	cA	820	CLA	C1C-C2C-C3C	-3.93	102.85	106.98
13	dA	819	CLA	C3C-C4C-NC	3.93	115.46	110.43
13	cA	842	CLA	C1D-CHD-C4C	-3.93	117.67	126.02
13	dA	811	CLA	CHD-C1D-ND	-3.93	119.28	124.80
13	aB	827	CLA	C3B-C4B-NB	3.93	114.03	110.53
13	aA	810	CLA	C1C-C2C-C3C	-3.93	102.85	106.98
13	cB	808	CLA	C1D-CHD-C4C	-3.92	117.68	126.02
13	bB	805	CLA	CHD-C1D-ND	-3.92	119.28	124.80
13	cA	831	CLA	C3C-C4C-NC	3.92	115.46	110.43
13	bB	831	CLA	C1C-C2C-C3C	-3.92	102.85	106.98
13	dB	819	CLA	C1D-CHD-C4C	-3.92	117.69	126.02
13	cL	203	CLA	C1C-C2C-C3C	-3.92	102.86	106.98
13	dA	844	CLA	C3D-C4D-ND	3.92	116.36	109.99
13	dA	836	CLA	C3B-C4B-NB	3.92	114.03	110.53
13	cB	804	CLA	C3D-C4D-ND	3.92	116.36	109.99
13	cA	839	CLA	C4A-NA-C1A	-3.92	104.89	106.68
13	aB	821	CLA	C3D-C4D-ND	3.92	116.36	109.99
13	aA	833	CLA	C1C-C2C-C3C	-3.92	102.86	106.98
13	dB	812	CLA	CHD-C1D-ND	-3.92	119.29	124.80
13	cA	810	CLA	C1C-C2C-C3C	-3.92	102.86	106.98
13	aB	817	CLA	C1D-CHD-C4C	-3.92	117.69	126.02
13	cB	817	CLA	C1D-CHD-C4C	-3.92	117.69	126.02
13	cB	807	CLA	C3D-C4D-ND	3.92	116.35	109.99
13	dB	822	CLA	C1C-C2C-C3C	-3.92	102.86	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	822	CLA	C1C-C2C-C3C	-3.92	102.86	106.98
13	aB	808	CLA	C1D-CHD-C4C	-3.91	117.70	126.02
13	cA	831	CLA	C3D-C4D-ND	3.91	116.35	109.99
13	aB	807	CLA	C3D-C4D-ND	3.91	116.35	109.99
13	bA	844	CLA	C3D-C4D-ND	3.91	116.35	109.99
13	aB	807	CLA	C4B-C3B-C2B	-3.91	102.44	107.30
13	bA	810	CLA	C1D-CHD-C4C	-3.91	117.71	126.02
13	aA	832	CLA	C1D-CHD-C4C	-3.91	117.71	126.02
13	aB	809	CLA	C1C-C2C-C3C	-3.91	102.87	106.98
13	dB	827	CLA	C1C-C2C-C3C	-3.91	102.87	106.98
13	dA	816	CLA	C4A-NA-C1A	-3.91	104.89	106.68
13	cB	811	CLA	CHD-C1D-ND	-3.91	119.30	124.80
13	bB	815	CLA	C3C-C4C-NC	3.91	115.44	110.43
13	dA	810	CLA	C1D-CHD-C4C	-3.91	117.71	126.02
15	aL	206	BCR	C2-C1-C6	3.91	116.12	110.44
13	bB	811	CLA	C3B-C4B-NB	3.91	114.02	110.53
13	aB	801	CLA	C3D-C4D-ND	3.91	116.34	109.99
13	bA	829	CLA	C4A-NA-C1A	-3.91	104.90	106.68
13	dB	812	CLA	C4A-NA-C1A	-3.91	104.90	106.68
13	bA	839	CLA	C1C-C2C-C3C	-3.91	102.87	106.98
13	dA	835	CLA	C1C-C2C-C3C	-3.91	102.87	106.98
13	cB	821	CLA	C3D-C4D-ND	3.91	116.34	109.99
13	dB	805	CLA	CHD-C1D-ND	-3.91	119.30	124.80
13	cA	802	CLA	CHD-C1D-ND	-3.91	119.31	124.80
13	bA	819	CLA	C3C-C4C-NC	3.91	115.43	110.43
13	cB	819	CLA	C1C-C2C-C3C	-3.90	102.87	106.98
13	dA	839	CLA	C1C-C2C-C3C	-3.90	102.87	106.98
13	aJ	101	CLA	C1C-C2C-C3C	-3.90	102.88	106.98
13	bA	833	CLA	C2C-C1C-NC	3.90	114.08	109.98
13	cA	832	CLA	C1D-CHD-C4C	-3.90	117.73	126.02
13	cB	801	CLA	C3D-C4D-ND	3.90	116.33	109.99
13	dB	811	CLA	C3B-C4B-NB	3.90	114.01	110.53
13	bB	816	CLA	C1D-CHD-C4C	-3.90	117.73	126.02
13	dB	815	CLA	C3C-C4C-NC	3.90	115.43	110.43
13	bA	836	CLA	C4B-C3B-C2B	-3.90	102.45	107.30
13	bB	819	CLA	C1D-CHD-C4C	-3.90	117.73	126.02
13	cB	824	CLA	C1D-CHD-C4C	-3.90	117.73	126.02
13	aA	831	CLA	C3D-C4D-ND	3.90	116.33	109.99
13	dA	828	CLA	C3C-C4C-NC	3.90	115.42	110.43
13	dB	826	CLA	C1C-C2C-C3C	-3.90	102.88	106.98
13	aB	822	CLA	C3D-C4D-ND	3.90	116.32	109.99
13	aB	829	CLA	C1D-CHD-C4C	-3.90	117.74	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	828	CLA	CHD-C1D-ND	-3.90	119.32	124.80
13	cJ	101	CLA	C1C-C2C-C3C	-3.90	102.88	106.98
13	bA	835	CLA	C1C-C2C-C3C	-3.89	102.89	106.98
13	dA	814	CLA	CHD-C1D-ND	-3.89	119.32	124.80
13	dA	828	CLA	CHD-C1D-ND	-3.89	119.32	124.80
13	dB	816	CLA	C1D-CHD-C4C	-3.89	117.75	126.02
13	dA	844	CLA	C1D-CHD-C4C	-3.89	117.75	126.02
13	bA	828	CLA	C3C-C4C-NC	3.89	115.42	110.43
13	cB	822	CLA	C3D-C4D-ND	3.89	116.31	109.99
13	dA	827	CLA	C1C-C2C-C3C	-3.89	102.89	106.98
13	aA	829	CLA	C3C-C4C-NC	3.89	115.42	110.43
13	bA	844	CLA	C1D-CHD-C4C	-3.89	117.75	126.02
13	aA	804	CLA	CHD-C1D-ND	-3.89	119.33	124.80
13	cB	807	CLA	C4B-C3B-C2B	-3.89	102.47	107.30
13	aA	820	CLA	C1C-C2C-C3C	-3.89	102.89	106.98
13	cB	809	CLA	C4A-NA-C1A	-3.89	104.91	106.68
13	bA	827	CLA	C1C-C2C-C3C	-3.89	102.89	106.98
13	bB	802	CLA	C3B-C4B-NB	3.89	114.00	110.53
13	cB	824	CLA	C3B-C4B-NB	3.89	114.00	110.53
13	aB	824	CLA	C1D-CHD-C4C	-3.89	117.76	126.02
13	aB	810	CLA	CAA-C2A-C3A	-3.89	102.50	113.00
13	cB	807	CLA	C3B-C4B-NB	3.89	114.00	110.53
13	bA	816	CLA	C1D-CHD-C4C	-3.89	117.76	126.02
13	cB	834	CLA	O1D-CGD-CBD	-3.89	116.86	124.52
13	dB	815	CLA	C1C-C2C-C3C	-3.88	102.89	106.98
13	bA	809	CLA	CHD-C1D-ND	-3.88	119.33	124.80
13	aA	805	CLA	C1C-C2C-C3C	-3.88	102.90	106.98
13	cB	810	CLA	CAA-C2A-C3A	-3.88	102.51	113.00
13	aA	833	CLA	CHD-C1D-ND	-3.88	119.34	124.80
13	bB	827	CLA	C1C-C2C-C3C	-3.88	102.90	106.98
13	dA	822	CLA	C1C-C2C-C3C	-3.88	102.90	106.98
13	cK	204	CLA	C4A-NA-C1A	-3.88	104.91	106.68
13	cA	824	CLA	C1C-C2C-C3C	-3.88	102.90	106.98
13	bB	824	CLA	C1D-CHD-C4C	-3.88	117.77	126.02
13	dA	816	CLA	C1D-CHD-C4C	-3.88	117.77	126.02
13	dL	202	CLA	C1D-CHD-C4C	-3.88	117.77	126.02
13	bA	814	CLA	C4A-NA-C1A	-3.88	104.91	106.68
13	dB	820	CLA	C3D-C4D-ND	3.88	116.29	109.99
13	bL	202	CLA	C1D-CHD-C4C	-3.88	117.78	126.02
13	bA	842	CLA	C1D-CHD-C4C	-3.88	117.78	126.02
13	cB	829	CLA	C1D-CHD-C4C	-3.88	117.78	126.02
13	bB	809	CLA	C4A-NA-C1A	-3.88	104.91	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	812	CLA	C3D-C2D-C1D	-3.88	100.54	105.83
13	cA	833	CLA	CHD-C1D-ND	-3.88	119.35	124.80
13	dB	809	CLA	CHD-C4C-NC	3.88	130.24	124.23
13	cA	807	CLA	O2D-CGD-CBD	3.88	118.00	111.23
13	dA	809	CLA	C4A-NA-C1A	-3.88	104.91	106.68
13	cA	804	CLA	CHD-C1D-ND	-3.87	119.35	124.80
13	cA	805	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
13	bB	808	CLA	C1D-CHD-C4C	-3.87	117.78	126.02
13	aB	811	CLA	CHD-C1D-ND	-3.87	119.35	124.80
13	dA	809	CLA	CHD-C1D-ND	-3.87	119.35	124.80
13	cB	809	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
13	aB	818	CLA	C1D-CHD-C4C	-3.87	117.79	126.02
13	bA	822	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
13	cA	839	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
13	cB	818	CLA	C1D-CHD-C4C	-3.87	117.79	126.02
13	dA	842	CLA	C1D-CHD-C4C	-3.87	117.79	126.02
13	aA	816	CLA	C4A-NA-C1A	-3.87	104.91	106.68
13	aA	824	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
13	dL	202	CLA	CHD-C1D-ND	-3.87	119.36	124.80
13	aB	812	CLA	C3D-C2D-C1D	-3.87	100.55	105.83
13	bB	809	CLA	CHD-C4C-NC	3.87	130.23	124.23
13	bB	829	CLA	C3C-C4C-NC	3.87	115.39	110.43
13	bA	814	CLA	CHD-C1D-ND	-3.87	119.36	124.80
13	aA	829	CLA	CHD-C1D-ND	-3.87	119.36	124.80
15	bI	102	BCR	C24-C23-C22	-3.87	120.51	126.23
13	aL	202	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
13	dB	808	CLA	C1D-CHD-C4C	-3.87	117.80	126.02
13	aB	810	CLA	C3B-C4B-NB	3.87	113.98	110.53
13	bB	825	CLA	CAC-C3C-C4C	3.87	129.82	124.79
13	aA	807	CLA	O2D-CGD-CBD	3.86	117.99	111.23
13	aA	811	CLA	CBC-CAC-C3C	-3.86	101.94	112.42
13	aB	810	CLA	C4A-NA-C1A	-3.86	104.92	106.68
13	bA	802	CLA	C3D-C4D-ND	3.86	116.27	109.99
13	bL	202	CLA	CHD-C1D-ND	-3.86	119.37	124.80
13	dB	824	CLA	C1D-CHD-C4C	-3.86	117.81	126.02
13	aB	824	CLA	C3B-C4B-NB	3.86	113.98	110.53
13	aB	819	CLA	C1C-C2C-C3C	-3.86	102.92	106.98
13	cA	811	CLA	CBC-CAC-C3C	-3.86	101.95	112.42
13	bA	836	CLA	C3B-C4B-NB	3.86	113.98	110.53
13	aB	834	CLA	O1D-CGD-CBD	-3.86	116.90	124.52
13	bB	807	CLA	CHD-C1D-ND	-3.86	119.37	124.80
13	cA	829	CLA	C3C-C4C-NC	3.86	115.37	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	839	CLA	O2D-CGD-O1D	-3.86	116.34	123.85
13	bB	815	CLA	C1C-C2C-C3C	-3.86	102.92	106.98
13	aB	801	CLA	C2B-C1B-NB	3.86	114.33	110.33
13	dB	802	CLA	C3B-C4B-NB	3.86	113.97	110.53
13	aA	836	CLA	CHD-C1D-ND	-3.86	119.38	124.80
13	dB	807	CLA	CHD-C1D-ND	-3.86	119.38	124.80
13	dA	802	CLA	C3D-C4D-ND	3.85	116.25	109.99
13	bA	839	CLA	O2D-CGD-O1D	-3.85	116.34	123.85
13	dB	804	CLA	C4C-C3C-C2C	-3.85	101.28	106.89
13	dA	830	CLA	C3D-C4D-ND	3.85	116.25	109.99
13	bA	829	CLA	C3D-C4D-ND	3.85	116.25	109.99
13	bB	804	CLA	C4C-C3C-C2C	-3.85	101.28	106.89
13	dB	829	CLA	C3C-C4C-NC	3.85	115.36	110.43
13	bA	843	CLA	CHD-C1D-ND	-3.85	119.38	124.80
13	cA	829	CLA	CHD-C1D-ND	-3.85	119.38	124.80
13	cB	834	CLA	C3B-C2B-C1B	-3.85	102.63	107.17
13	dB	830	CLA	C1C-C2C-C3C	-3.85	102.93	106.98
13	cA	816	CLA	C4A-NA-C1A	-3.85	104.92	106.68
13	dA	814	CLA	C4A-NA-C1A	-3.85	104.92	106.68
13	dB	825	CLA	CAC-C3C-C4C	3.85	129.80	124.79
13	aB	834	CLA	C3B-C2B-C1B	-3.85	102.63	107.17
13	aB	822	CLA	C1D-CHD-C4C	-3.85	117.84	126.02
13	bB	829	CLA	C3D-C4D-ND	3.85	116.24	109.99
13	cB	806	CLA	CHD-C1D-ND	-3.85	119.39	124.80
13	bA	817	CLA	C1C-C2C-C3C	-3.85	102.93	106.98
13	bB	817	CLA	C3C-C4C-NC	3.85	115.36	110.43
13	bB	820	CLA	C3D-C4D-ND	3.85	116.24	109.99
13	cB	810	CLA	C3B-C4B-NB	3.85	113.96	110.53
13	aA	839	CLA	C1C-C2C-C3C	-3.84	102.94	106.98
13	cF	204	CLA	C1C-C2C-C3C	-3.84	102.94	106.98
13	dA	840	CLA	C3D-C4D-ND	3.84	116.24	109.99
13	dA	809	CLA	C1D-CHD-C4C	-3.84	117.85	126.02
13	bA	820	CLA	C3B-C2B-C1B	-3.84	102.64	107.17
13	dA	817	CLA	C1C-C2C-C3C	-3.84	102.94	106.98
13	bA	830	CLA	C3D-C4D-ND	3.84	116.23	109.99
13	cB	801	CLA	C2B-C1B-NB	3.84	114.31	110.33
15	dI	102	BCR	C24-C23-C22	-3.84	120.55	126.23
13	cA	836	CLA	CHD-C1D-ND	-3.84	119.40	124.80
13	bA	809	CLA	C1D-CHD-C4C	-3.84	117.86	126.02
13	bB	830	CLA	C3D-C4D-ND	3.84	116.23	109.99
13	cA	839	CLA	CHD-C1D-ND	-3.84	119.40	124.80
13	dA	820	CLA	C4B-C3B-C2B	-3.84	102.53	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	820	CLA	C3C-C4C-NC	3.84	115.35	110.43
13	cB	834	CLA	C3C-C4C-NC	3.84	115.34	110.43
13	cB	804	CLA	C4C-C3C-C2C	-3.84	101.31	106.89
13	dA	826	CLA	C3D-C4D-ND	3.84	116.22	109.99
13	cA	803	CLA	C3D-C4D-ND	3.84	116.22	109.99
13	bA	820	CLA	C4B-C3B-C2B	-3.84	102.53	107.30
13	dB	829	CLA	C3D-C4D-ND	3.84	116.22	109.99
13	aA	803	CLA	C3D-C4D-ND	3.83	116.22	109.99
13	dB	811	CLA	O2A-CGA-CBA	3.83	123.53	111.83
13	aB	806	CLA	CHD-C1D-ND	-3.83	119.41	124.80
13	dA	829	CLA	C3D-C4D-ND	3.83	116.22	109.99
13	bB	830	CLA	C1C-C2C-C3C	-3.83	102.95	106.98
13	dA	820	CLA	C3B-C2B-C1B	-3.83	102.65	107.17
13	aA	839	CLA	CHD-C1D-ND	-3.83	119.41	124.80
13	dB	812	CLA	C1D-CHD-C4C	-3.83	117.88	126.02
13	aB	823	CLA	C3C-C4C-NC	3.83	115.33	110.43
13	dA	833	CLA	C1D-CHD-C4C	-3.83	117.88	126.02
13	cB	822	CLA	C1D-CHD-C4C	-3.83	117.89	126.02
13	dB	809	CLA	C4A-NA-C1A	-3.83	104.93	106.68
13	bB	811	CLA	O2A-CGA-CBA	3.83	123.50	111.83
13	cA	842	CLA	C3C-C4C-NC	3.83	115.33	110.43
13	cB	823	CLA	C3C-C4C-NC	3.83	115.33	110.43
13	bA	826	CLA	C3D-C4D-ND	3.82	116.20	109.99
13	bA	816	CLA	C4A-NA-C1A	-3.82	104.94	106.68
13	cJ	101	CLA	C1D-CHD-C4C	-3.82	117.89	126.02
13	dA	834	CLA	C1D-CHD-C4C	-3.82	117.89	126.02
13	cL	202	CLA	C1C-C2C-C3C	-3.82	102.96	106.98
13	bB	812	CLA	C1D-CHD-C4C	-3.82	117.90	126.02
13	bA	821	CLA	CHD-C1D-ND	-3.82	119.42	124.80
13	cA	838	CLA	C3D-C4D-ND	3.82	116.20	109.99
13	bA	821	CLA	C3B-C4B-NB	3.82	113.94	110.53
13	aB	805	CLA	C3C-C4C-NC	3.82	115.32	110.43
13	aB	834	CLA	C3C-C4C-NC	3.82	115.32	110.43
13	dB	817	CLA	C3C-C4C-NC	3.82	115.32	110.43
13	dA	810	CLA	C3D-C2D-C1D	-3.82	100.62	105.83
13	bA	833	CLA	C1D-CHD-C4C	-3.82	117.90	126.02
13	dB	806	CLA	C1C-C2C-C3C	-3.82	102.96	106.98
13	aA	838	CLA	C3D-C4D-ND	3.82	116.19	109.99
13	dB	830	CLA	C3D-C4D-ND	3.82	116.19	109.99
13	aB	804	CLA	C4C-C3C-C2C	-3.82	101.33	106.89
13	cA	823	CLA	C3D-C4D-ND	3.82	116.19	109.99
13	cB	819	CLA	C3D-C4D-ND	3.82	116.19	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	807	CLA	C1C-C2C-C3C	-3.82	102.97	106.98
13	dB	832	CLA	C3D-C4D-ND	3.82	116.19	109.99
13	aB	820	CLA	C2C-C1C-NC	3.82	113.99	109.98
13	aA	803	CLA	CAA-C2A-C3A	-3.81	102.69	113.00
13	bA	840	CLA	C3D-C4D-ND	3.81	116.19	109.99
13	cA	841	CLA	C4A-NA-C1A	-3.81	104.94	106.68
13	bB	816	CLA	C1C-C2C-C3C	-3.81	102.97	106.98
13	aF	204	CLA	C1C-C2C-C3C	-3.81	102.97	106.98
13	bA	834	CLA	C1D-CHD-C4C	-3.81	117.92	126.02
13	aA	825	CLA	CBC-CAC-C3C	-3.81	102.09	112.42
13	cA	825	CLA	CBC-CAC-C3C	-3.81	102.09	112.42
13	cL	203	CLA	C1D-CHD-C4C	-3.81	117.92	126.02
13	aA	823	CLA	C3D-C4D-ND	3.81	116.18	109.99
13	dA	828	CLA	C3D-C4D-ND	3.81	116.18	109.99
13	cA	803	CLA	CAA-C2A-C3A	-3.81	102.71	113.00
13	bA	806	CLA	C3B-C4B-NB	3.81	113.93	110.53
13	aJ	101	CLA	C1D-CHD-C4C	-3.81	117.93	126.02
13	bA	834	CLA	C3B-C4B-NB	3.81	113.93	110.53
13	bA	828	CLA	C3D-C4D-ND	3.81	116.17	109.99
13	dA	843	CLA	CHD-C1D-ND	-3.81	119.45	124.80
13	aL	203	CLA	C1D-CHD-C4C	-3.81	117.93	126.02
13	dA	834	CLA	C3B-C4B-NB	3.81	113.93	110.53
15	cL	205	BCR	C24-C23-C22	-3.80	120.61	126.23
13	aB	819	CLA	C3D-C4D-ND	3.80	116.17	109.99
13	aA	841	CLA	CAC-C3C-C4C	3.80	129.74	124.79
15	aA	849	BCR	C2-C1-C6	3.80	115.97	110.44
13	dB	807	CLA	C1C-C2C-C3C	-3.80	102.98	106.98
13	bA	809	CLA	C4A-NA-C1A	-3.80	104.94	106.68
13	aB	832	CLA	C3C-C4C-NC	3.80	115.30	110.43
13	dA	812	CLA	C3B-C4B-NB	3.80	113.92	110.53
13	cB	832	CLA	C3C-C4C-NC	3.80	115.30	110.43
13	aA	843	CLA	C1C-C2C-C3C	-3.80	102.98	106.98
13	bA	812	CLA	C3B-C4B-NB	3.80	113.92	110.53
13	dA	821	CLA	CHD-C1D-ND	-3.80	119.45	124.80
13	cA	837	CLA	C3C-C4C-NC	3.80	115.30	110.43
13	dA	829	CLA	C4A-NA-C1A	-3.80	104.95	106.68
13	bB	806	CLA	C1C-C2C-C3C	-3.80	102.98	106.98
13	cA	808	CLA	C1C-C2C-C3C	-3.80	102.98	106.98
15	aL	205	BCR	C24-C23-C22	-3.80	120.62	126.23
13	dB	813	CLA	CHD-C1D-ND	-3.80	119.46	124.80
13	dB	820	CLA	C3C-C4C-NC	3.80	115.30	110.43
13	dB	829	CLA	CAA-CBA-CGA	-3.80	102.42	113.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	841	CLA	C1C-C2C-C3C	-3.80	102.99	106.98
13	aB	811	CLA	CMB-C2B-C1B	3.80	131.20	125.42
13	bA	810	CLA	C3D-C2D-C1D	-3.80	100.65	105.83
15	dA	850	BCR	C28-C27-C26	-3.80	107.29	114.06
13	cB	805	CLA	C3C-C4C-NC	3.80	115.29	110.43
15	cA	849	BCR	C2-C1-C6	3.80	115.95	110.44
13	bA	841	CLA	C1C-C2C-C3C	-3.80	102.99	106.98
13	dB	829	CLA	CHD-C1D-ND	-3.80	119.46	124.80
13	bB	813	CLA	CHD-C1D-ND	-3.79	119.46	124.80
13	aA	830	CLA	C4A-NA-C1A	-3.79	104.95	106.68
13	bB	832	CLA	C3D-C4D-ND	3.79	116.15	109.99
13	dA	818	CLA	C1C-C2C-C3C	-3.79	102.99	106.98
13	aA	828	CLA	C3D-C4D-ND	3.79	116.15	109.99
13	dB	809	CLA	CHD-C1D-ND	-3.79	119.47	124.80
13	aA	837	CLA	C3C-C4C-NC	3.79	115.29	110.43
13	aB	834	CLA	C1D-CHD-C4C	-3.79	117.96	126.02
13	cA	841	CLA	CAC-C3C-C4C	3.79	129.72	124.79
13	aA	842	CLA	C3C-C4C-NC	3.79	115.28	110.43
13	cL	202	CLA	C3C-C4C-NC	3.79	115.28	110.43
13	bA	818	CLA	C1C-C2C-C3C	-3.79	102.99	106.98
13	cA	843	CLA	C1C-C2C-C3C	-3.79	102.99	106.98
13	bB	829	CLA	CAA-CBA-CGA	-3.79	102.45	113.21
13	cA	819	CLA	CAC-C3C-C4C	3.79	129.72	124.79
13	cA	831	CLA	O2D-CGD-O1D	-3.79	116.47	123.85
13	aA	836	CLA	C1C-C2C-C3C	-3.79	103.00	106.98
15	bA	850	BCR	C28-C27-C26	-3.79	107.30	114.06
13	aB	821	CLA	C3C-C4C-NC	3.79	115.28	110.43
13	cB	804	CLA	C4-C3-C5	3.79	121.80	115.23
13	cA	836	CLA	C1C-C2C-C3C	-3.79	103.00	106.98
13	bA	803	CLA	C1D-CHD-C4C	-3.79	117.97	126.02
13	aA	814	CLA	C3C-C4C-NC	3.79	115.28	110.43
13	aB	804	CLA	C4-C3-C5	3.79	121.80	115.23
13	aB	831	CLA	CHD-C1D-ND	-3.79	119.47	124.80
13	cB	820	CLA	C2C-C1C-NC	3.79	113.96	109.98
13	cB	811	CLA	CMB-C2B-C1B	3.79	131.18	125.42
13	bB	816	CLA	C4A-NA-C1A	-3.79	104.95	106.68
13	aA	808	CLA	C1C-C2C-C3C	-3.78	103.00	106.98
13	dB	807	CLA	C3D-C4D-ND	3.78	116.14	109.99
13	bA	834	CLA	CHD-C1D-ND	-3.78	119.48	124.80
13	bB	829	CLA	CHD-C1D-ND	-3.78	119.48	124.80
13	aA	831	CLA	O2D-CGD-O1D	-3.78	116.48	123.85
13	aB	830	CLA	C1C-C2C-C3C	-3.78	103.00	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	817	CLA	C1D-CHD-C4C	-3.78	117.98	126.02
13	cA	817	CLA	C1D-CHD-C4C	-3.78	117.98	126.02
13	cA	828	CLA	C3D-C4D-ND	3.78	116.14	109.99
13	cB	821	CLA	C3C-C4C-NC	3.78	115.27	110.43
13	cK	204	CLA	C1C-C2C-C3C	-3.78	103.00	106.98
13	bA	803	CLA	CAA-C2A-C3A	-3.78	102.78	113.00
13	cA	824	CLA	C3B-C4B-NB	3.78	113.91	110.53
13	bA	821	CLA	CHC-C1C-C2C	-3.78	116.20	126.95
13	dA	821	CLA	CHC-C1C-C2C	-3.78	116.21	126.95
13	cB	834	CLA	C1D-CHD-C4C	-3.78	117.99	126.02
13	cB	810	CLA	C4A-NA-C1A	-3.78	104.95	106.68
13	cA	830	CLA	C4A-NA-C1A	-3.78	104.96	106.68
13	aB	816	CLA	C1D-CHD-C4C	-3.78	117.99	126.02
13	dA	803	CLA	C1D-CHD-C4C	-3.78	117.99	126.02
13	cB	810	CLA	C1C-C2C-C3C	-3.78	103.01	106.98
13	dA	806	CLA	C3B-C4B-NB	3.78	113.90	110.53
13	aB	809	CLA	C4A-NA-C1A	-3.77	104.96	106.68
13	dF	201	CLA	C3B-C4B-NB	3.77	113.90	110.53
13	aL	202	CLA	C3C-C4C-NC	3.77	115.26	110.43
13	dA	834	CLA	CHD-C1D-ND	-3.77	119.49	124.80
13	dA	803	CLA	CAA-C2A-C3A	-3.77	102.80	113.00
13	bA	831	CLA	C3C-C4C-NC	3.77	115.26	110.43
13	dA	831	CLA	C3C-C4C-NC	3.77	115.26	110.43
13	aK	204	CLA	C4A-NA-C1A	-3.77	104.96	106.68
13	bA	839	CLA	CHD-C1D-ND	-3.77	119.49	124.80
13	dA	821	CLA	C3B-C4B-NB	3.77	113.90	110.53
13	bA	804	CLA	C3B-C4B-NB	3.77	113.89	110.53
13	bF	201	CLA	C3B-C4B-NB	3.77	113.89	110.53
13	cK	203	CLA	C1C-C2C-C3C	-3.77	103.02	106.98
13	bB	809	CLA	CHD-C1D-ND	-3.77	119.50	124.80
13	aA	817	CLA	C1C-C2C-C3C	-3.77	103.02	106.98
13	aK	203	CLA	C1C-C2C-C3C	-3.77	103.02	106.98
13	cB	830	CLA	C1C-C2C-C3C	-3.77	103.02	106.98
13	dB	816	CLA	C1C-C2C-C3C	-3.77	103.02	106.98
13	bA	822	CLA	CHD-C1D-ND	-3.77	119.50	124.80
13	cB	831	CLA	CHD-C1D-ND	-3.77	119.50	124.80
13	dB	818	CLA	CHD-C1D-ND	-3.77	119.50	124.80
13	bB	807	CLA	C3D-C4D-ND	3.77	116.11	109.99
13	cA	817	CLA	C1C-C2C-C3C	-3.76	103.02	106.98
13	bB	828	CLA	C3C-C4C-NC	3.76	115.25	110.43
13	aB	805	CLA	CBA-CAA-C2A	3.76	124.99	113.79
13	dB	816	CLA	C4A-NA-C1A	-3.76	104.96	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	822	CLA	CHD-C1D-ND	-3.76	119.51	124.80
13	cA	814	CLA	C3C-C4C-NC	3.76	115.25	110.43
13	bB	803	CLA	C3D-C4D-ND	3.76	116.10	109.99
13	aB	815	CLA	C1C-C2C-C3C	-3.76	103.02	106.98
13	aA	830	CLA	C1C-C2C-C3C	-3.76	103.02	106.98
13	dA	830	CLA	C3D-C2D-C1D	-3.76	100.70	105.83
13	cA	824	CLA	C1D-CHD-C4C	-3.76	118.03	126.02
13	dA	803	CLA	C3D-C4D-ND	3.76	116.10	109.99
15	aA	848	BCR	C15-C16-C17	-3.76	115.83	123.52
15	cA	848	BCR	C15-C16-C17	-3.76	115.83	123.52
13	aB	812	CLA	C1D-CHD-C4C	-3.76	118.03	126.02
13	aA	832	CLA	CHD-C1D-ND	-3.76	119.51	124.80
13	aB	810	CLA	C1C-C2C-C3C	-3.76	103.03	106.98
13	bA	803	CLA	C3D-C4D-ND	3.76	116.09	109.99
13	cB	812	CLA	C1D-CHD-C4C	-3.76	118.03	126.02
13	aA	804	CLA	C1C-C2C-C3C	-3.76	103.03	106.98
13	dB	809	CLA	CAA-C2A-C3A	-3.76	102.85	113.00
13	bA	829	CLA	C3C-C4C-NC	3.76	115.24	110.43
13	dB	803	CLA	C3D-C4D-ND	3.76	116.09	109.99
13	bB	818	CLA	CHD-C1D-ND	-3.76	119.52	124.80
13	bA	802	CLA	C4B-C3B-C2B	-3.76	102.63	107.30
13	bA	836	CLA	C3C-C4C-NC	3.75	115.24	110.43
13	aA	819	CLA	CAC-C3C-C4C	3.75	129.67	124.79
13	bA	842	CLA	C3C-C4C-NC	3.75	115.24	110.43
13	cB	805	CLA	CBA-CAA-C2A	3.75	124.96	113.79
13	cB	817	CLA	C1C-C2C-C3C	-3.75	103.03	106.98
13	cB	815	CLA	C3B-C4B-NB	3.75	113.88	110.53
13	dB	808	CLA	C3C-C4C-NC	3.75	115.24	110.43
13	dA	831	CLA	CHD-C1D-ND	-3.75	119.52	124.80
13	dB	828	CLA	C3C-C4C-NC	3.75	115.24	110.43
13	cA	830	CLA	C1C-C2C-C3C	-3.75	103.03	106.98
13	cA	832	CLA	CHD-C1D-ND	-3.75	119.52	124.80
13	bB	809	CLA	CAA-C2A-C3A	-3.75	102.86	113.00
13	dB	804	CLA	C2C-C1C-NC	3.75	113.92	109.98
13	aA	824	CLA	C3B-C4B-NB	3.75	113.88	110.53
13	bB	808	CLA	C3C-C4C-NC	3.75	115.23	110.43
13	aK	204	CLA	C1C-C2C-C3C	-3.75	103.04	106.98
13	aA	824	CLA	C1D-CHD-C4C	-3.75	118.05	126.02
13	bA	831	CLA	C4B-C3B-C2B	-3.75	102.64	107.30
13	cB	834	CLA	CHD-C1D-ND	-3.75	119.53	124.80
13	dL	203	CLA	C2C-C1C-NC	3.75	113.92	109.98
13	aB	834	CLA	CHD-C1D-ND	-3.75	119.53	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	804	CLA	C1C-C2C-C3C	-3.75	103.04	106.98
13	cB	816	CLA	C1D-CHD-C4C	-3.75	118.06	126.02
13	dA	804	CLA	C3B-C4B-NB	3.75	113.87	110.53
13	bA	831	CLA	CHD-C1D-ND	-3.75	119.53	124.80
13	dA	839	CLA	CHD-C1D-ND	-3.74	119.53	124.80
15	dB	835	BCR	C2-C1-C6	3.74	115.88	110.44
13	aA	830	CLA	C3C-C4C-NC	3.74	115.22	110.43
13	dA	802	CLA	C4B-C3B-C2B	-3.74	102.65	107.30
15	bB	835	BCR	C2-C1-C6	3.74	115.87	110.44
13	cA	821	CLA	CHC-C1C-C2C	-3.74	116.32	126.95
13	aA	837	CLA	C1D-CHD-C4C	-3.74	118.07	126.02
13	dA	808	CLA	C1C-C2C-C3C	-3.74	103.05	106.98
13	aB	815	CLA	C3B-C4B-NB	3.74	113.87	110.53
13	cA	803	CLA	C2C-C1C-NC	3.74	113.91	109.98
13	cB	815	CLA	C1C-C2C-C3C	-3.74	103.05	106.98
13	dA	831	CLA	C4B-C3B-C2B	-3.74	102.66	107.30
13	cK	204	CLA	C1D-CHD-C4C	-3.73	118.08	126.02
13	bB	810	CLA	CHD-C1D-ND	-3.73	119.55	124.80
13	aB	832	CLA	C1C-C2C-C3C	-3.73	103.05	106.98
13	bA	822	CLA	C4A-NA-C1A	-3.73	104.98	106.68
13	dA	822	CLA	C4A-NA-C1A	-3.73	104.98	106.68
13	bA	808	CLA	C1C-C2C-C3C	-3.73	103.05	106.98
15	bA	850	BCR	C24-C23-C22	-3.73	120.71	126.23
13	aB	811	CLA	C1D-CHD-C4C	-3.73	118.09	126.02
13	aB	817	CLA	C1C-C2C-C3C	-3.73	103.06	106.98
13	cA	837	CLA	C1D-CHD-C4C	-3.73	118.09	126.02
13	aA	821	CLA	CHC-C1C-C2C	-3.73	116.35	126.95
13	aA	828	CLA	CHD-C1D-ND	-3.73	119.55	124.80
13	bB	803	CLA	CHD-C1D-ND	-3.73	119.55	124.80
13	dB	810	CLA	CHD-C1D-ND	-3.73	119.55	124.80
13	dA	836	CLA	C3C-C4C-NC	3.73	115.21	110.43
13	cA	837	CLA	C1C-C2C-C3C	-3.73	103.06	106.98
13	bB	804	CLA	C2C-C1C-NC	3.73	113.90	109.98
15	dA	850	BCR	C24-C23-C22	-3.73	120.72	126.23
13	cB	831	CLA	CAA-C2A-C3A	-3.73	102.93	113.00
12	dA	801	CL0	O1D-CGD-CBD	-3.73	119.07	124.72
13	dA	829	CLA	C3B-C4B-NB	3.73	113.86	110.53
13	bA	830	CLA	C3D-C2D-C1D	-3.73	100.75	105.83
13	aK	204	CLA	C1D-CHD-C4C	-3.73	118.10	126.02
13	bB	815	CLA	CHD-C1D-ND	-3.73	119.56	124.80
13	bA	829	CLA	C3B-C4B-NB	3.73	113.86	110.53
13	dB	832	CLA	CHD-C1D-ND	-3.73	119.56	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bF	201	CLA	C1-C2-C3	-3.73	120.09	126.20
13	dA	819	CLA	C3D-C4D-ND	3.72	116.04	109.99
13	dA	825	CLA	C1D-CHD-C4C	-3.72	118.10	126.02
13	aA	830	CLA	O2A-CGA-CBA	3.72	123.19	111.83
13	aA	841	CLA	C4A-NA-C1A	-3.72	104.98	106.68
13	aB	831	CLA	CAA-C2A-C3A	-3.72	102.94	113.00
13	bA	820	CLA	C3D-C4D-ND	3.72	116.04	109.99
13	dA	829	CLA	C3C-C4C-NC	3.72	115.20	110.43
13	bA	825	CLA	C1D-CHD-C4C	-3.72	118.11	126.02
13	bL	203	CLA	C2C-C1C-NC	3.72	113.89	109.98
13	bB	828	CLA	CHD-C1D-ND	-3.72	119.57	124.80
13	dB	830	CLA	C3C-C4C-NC	3.72	115.20	110.43
13	aB	828	CLA	C3B-C4B-NB	3.72	113.85	110.53
13	cA	832	CLA	O2A-CGA-CBA	3.72	123.18	111.83
13	aA	837	CLA	C1C-C2C-C3C	-3.72	103.07	106.98
13	cA	830	CLA	O2A-CGA-CBA	3.72	123.17	111.83
13	cB	828	CLA	C3B-C4B-NB	3.72	113.85	110.53
13	cB	823	CLA	CAC-C3C-C4C	3.72	129.63	124.79
13	cB	811	CLA	C1D-CHD-C4C	-3.72	118.12	126.02
13	cB	818	CLA	C1C-C2C-C3C	-3.72	103.07	106.98
15	aK	205	BCR	C2-C1-C6	3.72	115.84	110.44
13	aB	824	CLA	C3D-C2D-C1D	-3.72	100.76	105.83
13	aA	832	CLA	O2A-CGA-CBA	3.72	123.17	111.83
13	bB	832	CLA	CHD-C1D-ND	-3.72	119.57	124.80
13	cB	813	CLA	C1D-CHD-C4C	-3.72	118.12	126.02
13	cB	832	CLA	C1C-C2C-C3C	-3.72	103.07	106.98
13	bA	819	CLA	C3D-C4D-ND	3.72	116.03	109.99
13	cB	808	CLA	C1C-C2C-C3C	-3.71	103.07	106.98
13	bA	803	CLA	C2C-C1C-NC	3.71	113.88	109.98
13	dF	201	CLA	C1-C2-C3	-3.71	120.11	126.20
13	aA	840	CLA	O2D-CGD-O1D	-3.71	116.62	123.85
13	cB	824	CLA	C3D-C2D-C1D	-3.71	100.77	105.83
13	aA	803	CLA	C2C-C1C-NC	3.71	113.88	109.98
13	dB	815	CLA	CHD-C1D-ND	-3.71	119.58	124.80
13	aB	813	CLA	C1D-CHD-C4C	-3.71	118.13	126.02
13	dA	842	CLA	C3C-C4C-NC	3.71	115.18	110.43
13	cA	828	CLA	CHD-C1D-ND	-3.71	119.58	124.80
13	cB	822	CLA	CHD-C1D-ND	-3.71	119.58	124.80
12	bA	801	CL0	O1D-CGD-CBD	-3.71	119.10	124.72
13	cK	201	CLA	C1D-CHD-C4C	-3.71	118.14	126.02
13	aB	808	CLA	C1C-C2C-C3C	-3.71	103.08	106.98
13	aB	818	CLA	C1C-C2C-C3C	-3.71	103.08	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	820	CLA	C3D-C4D-ND	3.71	116.01	109.99
13	bA	824	CLA	C3C-C4C-NC	3.71	115.18	110.43
13	bB	830	CLA	C3C-C4C-NC	3.71	115.18	110.43
13	bA	838	CLA	CHD-C1D-ND	-3.71	119.59	124.80
13	aA	819	CLA	C3D-C4D-ND	3.70	116.01	109.99
13	aK	201	CLA	C1D-CHD-C4C	-3.70	118.15	126.02
13	cA	840	CLA	O2D-CGD-O1D	-3.70	116.64	123.85
13	bA	809	CLA	C3C-C4C-NC	3.70	115.17	110.43
13	cA	815	CLA	C1D-CHD-C4C	-3.70	118.15	126.02
13	aA	829	CLA	O2A-CGA-CBA	3.70	123.12	111.83
13	aA	815	CLA	C1D-CHD-C4C	-3.70	118.16	126.02
13	cA	802	CLA	C3C-C4C-NC	3.70	115.17	110.43
13	dA	838	CLA	CHD-C1D-ND	-3.70	119.60	124.80
13	dB	828	CLA	CHD-C1D-ND	-3.70	119.60	124.80
15	dL	204	BCR	C2-C1-C6	3.70	115.81	110.44
13	aB	822	CLA	CHD-C1D-ND	-3.70	119.60	124.80
13	dA	824	CLA	C3C-C4C-NC	3.70	115.17	110.43
13	aB	823	CLA	CAC-C3C-C4C	3.70	129.60	124.79
13	cA	810	CLA	O2D-CGD-CBD	3.70	117.69	111.23
13	aB	828	CLA	C4A-NA-C1A	-3.70	104.99	106.68
13	cA	829	CLA	O2A-CGA-CBA	3.69	123.10	111.83
13	dA	830	CLA	C1C-C2C-C3C	-3.69	103.09	106.98
13	aB	811	CLA	C2B-C1B-NB	3.69	114.16	110.33
13	aL	202	CLA	C3B-C4B-NB	3.69	113.83	110.53
13	cA	819	CLA	C3D-C4D-ND	3.69	115.99	109.99
13	dB	803	CLA	CHD-C1D-ND	-3.69	119.61	124.80
13	bA	802	CLA	C3C-C4C-NC	3.69	115.16	110.43
13	cA	807	CLA	O2A-CGA-CBA	3.69	123.09	111.83
13	dA	809	CLA	C3C-C4C-NC	3.69	115.16	110.43
13	cB	808	CLA	C1-C2-C3	-3.69	120.15	126.20
13	dA	843	CLA	C1C-C2C-C3C	-3.69	103.10	106.98
13	bA	804	CLA	C3C-C4C-NC	3.69	115.16	110.43
13	aB	831	CLA	C1C-C2C-C3C	-3.69	103.10	106.98
13	cA	830	CLA	C3C-C4C-NC	3.69	115.16	110.43
13	aA	807	CLA	O2A-CGA-CBA	3.69	123.08	111.83
13	aA	810	CLA	O2D-CGD-CBD	3.69	117.68	111.23
13	bJ	101	CLA	C1D-CHD-C4C	-3.69	118.18	126.02
13	cB	812	CLA	C1-C2-C3	-3.69	120.16	126.20
13	cA	816	CLA	CAA-C2A-C3A	-3.69	103.04	113.00
13	cA	820	CLA	C1D-CHD-C4C	-3.69	118.19	126.02
13	aA	820	CLA	C1D-CHD-C4C	-3.68	118.19	126.02
13	cB	811	CLA	C2B-C1B-NB	3.68	114.15	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	830	CLA	C3B-C4B-NB	3.68	113.82	110.53
13	bA	843	CLA	C1C-C2C-C3C	-3.68	103.11	106.98
13	dA	803	CLA	C2C-C1C-NC	3.68	113.85	109.98
12	cA	801	CL0	CGD-CBD-CAD	-3.68	98.92	110.85
13	dB	823	CLA	C3D-C2D-C1D	-3.68	100.81	105.83
13	aB	824	CLA	CMD-C2D-C3D	-3.68	119.24	127.69
13	aA	816	CLA	CAA-C2A-C3A	-3.68	103.05	113.00
13	cB	824	CLA	CMD-C2D-C3D	-3.68	119.25	127.69
13	bA	830	CLA	C1C-C2C-C3C	-3.68	103.11	106.98
13	cB	816	CLA	C1C-C2C-C3C	-3.68	103.11	106.98
13	dB	822	CLA	CHD-C1D-ND	-3.68	119.62	124.80
15	dA	848	BCR	C2-C1-C6	3.68	115.78	110.44
13	dA	804	CLA	C3C-C4C-NC	3.68	115.14	110.43
13	aB	826	CLA	C1D-CHD-C4C	-3.68	118.20	126.02
13	dB	820	CLA	C1C-C2C-C3C	-3.68	103.11	106.98
13	dB	804	CLA	O2D-CGD-CBD	3.68	117.66	111.23
13	bA	829	CLA	CHD-C1D-ND	-3.67	119.63	124.80
13	bB	820	CLA	CHD-C1D-ND	-3.67	119.63	124.80
13	aB	808	CLA	C1-C2-C3	-3.67	120.18	126.20
13	cB	831	CLA	C1C-C2C-C3C	-3.67	103.12	106.98
13	aB	816	CLA	C1C-C2C-C3C	-3.67	103.12	106.98
12	aA	801	CL0	CGD-CBD-CAD	-3.67	98.96	110.85
13	cB	826	CLA	C1D-CHD-C4C	-3.67	118.22	126.02
13	cA	835	CLA	C3B-C4B-NB	3.67	113.81	110.53
13	cA	812	CLA	C1C-C2C-C3C	-3.67	103.12	106.98
13	dA	842	CLA	C1C-C2C-C3C	-3.67	103.12	106.98
13	bB	811	CLA	CHC-C1C-C2C	-3.67	116.53	126.95
13	dA	829	CLA	CHD-C1D-ND	-3.67	119.64	124.80
13	dB	820	CLA	CHD-C1D-ND	-3.67	119.64	124.80
13	aB	805	CLA	C4C-C3C-C2C	-3.67	101.55	106.89
13	cA	830	CLA	C3B-C4B-NB	3.67	113.80	110.53
13	bA	806	CLA	CAC-C3C-C4C	3.67	129.56	124.79
13	dJ	101	CLA	C1D-CHD-C4C	-3.67	118.23	126.02
13	cB	828	CLA	C4A-NA-C1A	-3.66	105.01	106.68
13	bB	821	CLA	C3C-C4C-NC	3.66	115.12	110.43
13	cL	202	CLA	C3B-C4B-NB	3.66	113.80	110.53
13	cB	821	CLA	C1C-C2C-C3C	-3.66	103.13	106.98
13	bB	804	CLA	O2D-CGD-CBD	3.66	117.63	111.23
13	bB	823	CLA	C3D-C2D-C1D	-3.66	100.83	105.83
13	aB	812	CLA	C1-C2-C3	-3.66	120.20	126.20
15	bA	848	BCR	C2-C1-C6	3.66	115.76	110.44
13	bA	840	CLA	C3C-C4C-NC	3.66	115.12	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	815	CLA	C1D-CHD-C4C	-3.66	118.24	126.02
13	aA	806	CLA	CHD-C1D-ND	-3.66	119.65	124.80
13	bB	822	CLA	CHD-C1D-ND	-3.66	119.65	124.80
15	cA	846	BCR	C2-C1-C6	3.66	115.75	110.44
15	aA	846	BCR	C2-C1-C6	3.66	115.75	110.44
13	dB	821	CLA	C3C-C4C-NC	3.66	115.12	110.43
13	bA	838	CLA	CHC-C1C-C2C	-3.66	116.55	126.95
13	dB	811	CLA	CHC-C1C-C2C	-3.66	116.55	126.95
13	dA	810	CLA	CHD-C1D-ND	-3.66	119.66	124.80
13	dA	802	CLA	C1C-C2C-C3C	-3.66	103.13	106.98
13	aB	821	CLA	C1C-C2C-C3C	-3.66	103.14	106.98
13	aA	802	CLA	C3C-C4C-NC	3.66	115.11	110.43
13	cA	807	CLA	CHD-C4C-NC	3.66	129.90	124.23
13	aA	812	CLA	C1C-C2C-C3C	-3.65	103.14	106.98
13	bB	820	CLA	C1C-C2C-C3C	-3.65	103.14	106.98
13	cA	829	CLA	C1-C2-C3	-3.65	120.21	126.20
13	aA	829	CLA	C1-C2-C3	-3.65	120.21	126.20
13	cB	805	CLA	C4C-C3C-C2C	-3.65	101.58	106.89
13	dA	815	CLA	C1C-C2C-C3C	-3.65	103.14	106.98
13	dB	828	CLA	C1D-CHD-C4C	-3.65	118.26	126.02
13	bA	810	CLA	CHD-C1D-ND	-3.65	119.67	124.80
13	dA	838	CLA	CHC-C1C-C2C	-3.65	116.58	126.95
13	dB	806	CLA	CAC-C3C-C4C	3.65	129.54	124.79
13	cB	815	CLA	C1D-CHD-C4C	-3.65	118.26	126.02
13	aF	204	CLA	C1D-CHD-C4C	-3.65	118.27	126.02
13	aA	807	CLA	CHD-C4C-NC	3.65	129.89	124.23
13	cA	826	CLA	C3B-C4B-NB	3.65	113.79	110.53
13	bA	838	CLA	C3D-C4D-ND	3.65	115.91	109.99
13	aA	828	CLA	C3C-C4C-NC	3.65	115.10	110.43
13	aA	805	CLA	C1D-CHD-C4C	-3.64	118.27	126.02
13	bA	835	CLA	O2A-CGA-CBA	3.64	122.95	111.83
13	dA	835	CLA	O2A-CGA-CBA	3.64	122.95	111.83
13	dB	821	CLA	C1D-CHD-C4C	-3.64	118.28	126.02
13	cA	813	CLA	C1C-C2C-C3C	-3.64	103.15	106.98
13	bB	806	CLA	CAC-C3C-C4C	3.64	129.53	124.79
13	cA	828	CLA	C3C-C4C-NC	3.64	115.09	110.43
13	dA	802	CLA	C3C-C4C-NC	3.64	115.09	110.43
13	dA	806	CLA	CAC-C3C-C4C	3.64	129.53	124.79
13	dA	831	CLA	CAC-C3C-C4C	3.64	129.53	124.79
13	bA	815	CLA	C1C-C2C-C3C	-3.64	103.15	106.98
13	dA	812	CLA	CAA-C2A-C3A	-3.64	103.17	113.00
13	bA	812	CLA	CAA-C2A-C3A	-3.64	103.17	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	835	CLA	C3B-C4B-NB	3.64	113.78	110.53
13	bB	817	CLA	CAA-C2A-C3A	-3.64	103.17	113.00
13	aB	808	CLA	C3C-C4C-NC	3.64	115.09	110.43
13	cA	819	CLA	C3C-C4C-NC	3.64	115.09	110.43
13	aA	813	CLA	C1C-C2C-C3C	-3.63	103.16	106.98
13	cB	808	CLA	C3C-C4C-NC	3.63	115.09	110.43
13	dB	823	CLA	C3B-C4B-NB	3.63	113.77	110.53
13	dA	816	CLA	C3C-C4C-NC	3.63	115.08	110.43
13	dA	840	CLA	C3C-C4C-NC	3.63	115.08	110.43
13	cB	826	CLA	CAC-C3C-C4C	3.63	129.52	124.79
13	dB	807	CLA	C4-C3-C5	3.63	121.53	115.23
13	cA	805	CLA	C1D-CHD-C4C	-3.63	118.30	126.02
13	dB	817	CLA	CAA-C2A-C3A	-3.63	103.18	113.00
13	bB	823	CLA	C3B-C4B-NB	3.63	113.77	110.53
13	cB	833	CLA	C3C-C4C-NC	3.63	115.08	110.43
13	bA	802	CLA	C1C-C2C-C3C	-3.63	103.16	106.98
13	cA	827	CLA	C1C-C2C-C3C	-3.63	103.16	106.98
13	aB	826	CLA	CAC-C3C-C4C	3.63	129.51	124.79
13	bA	831	CLA	CAC-C3C-C4C	3.63	129.51	124.79
13	cA	818	CLA	C4A-NA-C1A	-3.63	105.02	106.68
13	bB	821	CLA	C1D-CHD-C4C	-3.63	118.31	126.02
13	cF	204	CLA	C1D-CHD-C4C	-3.63	118.31	126.02
13	bA	802	CLA	C1-C2-C3	-3.63	120.25	126.20
13	aA	836	CLA	CAC-C3C-C4C	3.63	129.51	124.79
13	cA	806	CLA	CHD-C1D-ND	-3.63	119.70	124.80
13	dA	838	CLA	C3D-C4D-ND	3.63	115.88	109.99
13	cA	831	CLA	C1C-C2C-C3C	-3.63	103.17	106.98
13	cB	813	CLA	C3B-C4B-NB	3.62	113.76	110.53
13	bB	807	CLA	C4-C3-C5	3.62	121.52	115.23
13	bA	842	CLA	C1C-C2C-C3C	-3.62	103.17	106.98
13	bB	828	CLA	C1D-CHD-C4C	-3.62	118.32	126.02
13	aA	819	CLA	CHD-C1D-ND	-3.62	119.71	124.80
13	bA	816	CLA	C3C-C4C-NC	3.62	115.07	110.43
13	aB	803	CLA	C1C-C2C-C3C	-3.62	103.17	106.98
13	cB	803	CLA	C1C-C2C-C3C	-3.62	103.17	106.98
13	cF	204	CLA	C3B-C4B-NB	3.62	113.76	110.53
13	aB	833	CLA	C3C-C4C-NC	3.62	115.06	110.43
13	cF	201	CLA	C1D-CHD-C4C	-3.62	118.33	126.02
13	bB	809	CLA	C3C-C4C-NC	3.62	115.06	110.43
13	dA	810	CLA	C3C-C4C-NC	3.62	115.06	110.43
13	aB	801	CLA	C1C-C2C-C3C	-3.61	103.18	106.98
13	aA	827	CLA	C1C-C2C-C3C	-3.61	103.18	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	837	CLA	C1C-C2C-C3C	-3.61	103.18	106.98
13	bL	202	CLA	C3C-C4C-NC	3.61	115.06	110.43
13	aA	831	CLA	C1C-C2C-C3C	-3.61	103.18	106.98
13	aF	201	CLA	C1D-CHD-C4C	-3.61	118.34	126.02
13	aA	818	CLA	C4A-NA-C1A	-3.61	105.03	106.68
13	dA	802	CLA	C1-C2-C3	-3.61	120.28	126.20
13	cF	201	CLA	C1C-C2C-C3C	-3.61	103.18	106.98
13	dA	837	CLA	C1C-C2C-C3C	-3.61	103.18	106.98
13	dL	202	CLA	C3C-C4C-NC	3.61	115.05	110.43
13	cA	813	CLA	CHD-C1D-ND	-3.61	119.72	124.80
13	aA	826	CLA	C3B-C4B-NB	3.61	113.75	110.53
13	dA	818	CLA	C3B-C4B-NB	3.61	113.75	110.53
13	bA	826	CLA	C4C-C3C-C2C	-3.61	101.64	106.89
13	aB	801	CLA	CAC-C3C-C4C	3.61	129.48	124.79
13	bA	820	CLA	C3B-C4B-NB	3.61	113.75	110.53
13	bB	827	CLA	C4A-NA-C1A	-3.61	105.03	106.68
13	aA	818	CLA	C4C-C3C-C2C	-3.61	101.64	106.89
13	aB	811	CLA	CHC-C1C-C2C	-3.61	116.70	126.95
13	bA	830	CLA	C1-C2-C3	-3.61	120.29	126.20
13	cA	836	CLA	CAC-C3C-C4C	3.61	129.48	124.79
13	bA	810	CLA	C3C-C4C-NC	3.60	115.05	110.43
13	dA	830	CLA	C1-C2-C3	-3.60	120.29	126.20
13	aB	813	CLA	C1C-C2C-C3C	-3.60	103.19	106.98
13	bA	818	CLA	C3B-C4B-NB	3.60	113.75	110.53
13	cA	819	CLA	CHD-C1D-ND	-3.60	119.73	124.80
13	cB	811	CLA	CHC-C1C-C2C	-3.60	116.71	126.95
13	aF	204	CLA	C3B-C4B-NB	3.60	113.74	110.53
13	cA	831	CLA	CHD-C1D-ND	-3.60	119.74	124.80
13	cB	815	CLA	C4A-NA-C1A	-3.60	105.04	106.68
13	aA	819	CLA	C3C-C4C-NC	3.60	115.04	110.43
13	aB	829	CLA	C3C-C4C-NC	3.60	115.04	110.43
13	aF	201	CLA	C1C-C2C-C3C	-3.60	103.20	106.98
13	cB	813	CLA	C1C-C2C-C3C	-3.60	103.20	106.98
13	cB	812	CLA	CAC-C3C-C4C	3.60	129.47	124.79
13	cB	829	CLA	C3C-C4C-NC	3.60	115.04	110.43
13	dB	809	CLA	C3C-C4C-NC	3.60	115.04	110.43
13	dA	826	CLA	C4C-C3C-C2C	-3.60	101.66	106.89
13	dA	843	CLA	C4A-NA-C1A	-3.59	105.04	106.68
13	dA	807	CLA	CHD-C1D-ND	-3.59	119.74	124.80
13	cB	801	CLA	CAC-C3C-C4C	3.59	129.47	124.79
13	aA	813	CLA	CHD-C1D-ND	-3.59	119.75	124.80
13	bA	805	CLA	C1C-C2C-C3C	-3.59	103.20	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	814	CLA	C1C-C2C-C3C	-3.59	103.20	106.98
13	aA	831	CLA	CHD-C1D-ND	-3.59	119.75	124.80
13	bB	814	CLA	C1C-C2C-C3C	-3.59	103.20	106.98
13	cB	807	CLA	CHC-C1C-C2C	-3.59	116.75	126.95
13	aB	812	CLA	CAC-C3C-C4C	3.58	129.45	124.79
13	cB	830	CLA	CHD-C1D-ND	-3.58	119.76	124.80
13	bA	807	CLA	CHD-C1D-ND	-3.58	119.76	124.80
13	aA	843	CLA	C3B-C4B-NB	3.58	113.73	110.53
13	cB	829	CLA	C1C-C2C-C3C	-3.58	103.21	106.98
13	cB	810	CLA	CBA-CAA-C2A	3.58	124.45	113.79
13	dB	802	CLA	C3C-C4C-NC	3.58	115.02	110.43
13	dA	805	CLA	C1C-C2C-C3C	-3.58	103.22	106.98
13	aB	828	CLA	C1D-CHD-C4C	-3.58	118.41	126.02
13	aB	830	CLA	CHD-C1D-ND	-3.58	119.77	124.80
13	aB	813	CLA	C3B-C4B-NB	3.58	113.72	110.53
13	cA	818	CLA	C4C-C3C-C2C	-3.58	101.68	106.89
13	aB	810	CLA	CBA-CAA-C2A	3.58	124.43	113.79
13	aB	832	CLA	CAA-C2A-C3A	-3.58	103.33	113.00
13	cB	832	CLA	CAA-C2A-C3A	-3.58	103.33	113.00
13	aB	807	CLA	CHC-C1C-C2C	-3.58	116.78	126.95
13	dA	820	CLA	C3B-C4B-NB	3.58	113.72	110.53
13	dB	831	CLA	C3C-C4C-NC	3.58	115.01	110.43
13	cB	801	CLA	C1C-C2C-C3C	-3.57	103.22	106.98
13	dA	814	CLA	C4C-C3C-C2C	-3.57	101.69	106.89
13	bA	813	CLA	C1C-C2C-C3C	-3.57	103.22	106.98
13	cB	822	CLA	C3C-C4C-NC	3.57	115.01	110.43
13	aB	812	CLA	CMD-C2D-C3D	-3.57	119.50	127.69
13	dA	828	CLA	O2D-CGD-O1D	-3.57	116.89	123.85
13	aA	816	CLA	C3C-C4C-NC	3.57	115.01	110.43
13	bA	814	CLA	C4C-C3C-C2C	-3.57	101.69	106.89
13	cB	828	CLA	C1D-CHD-C4C	-3.57	118.43	126.02
13	bA	824	CLA	CHD-C1D-ND	-3.57	119.78	124.80
13	bA	828	CLA	O2D-CGD-O1D	-3.57	116.90	123.85
13	dB	823	CLA	CAC-C3C-C4C	3.57	129.43	124.79
13	bA	832	CLA	C3C-C4C-NC	3.57	115.00	110.43
13	bB	802	CLA	C3C-C4C-NC	3.57	115.00	110.43
13	bA	827	CLA	CBC-CAC-C3C	-3.57	102.75	112.42
13	bA	822	CLA	CAA-C2A-C3A	-3.57	103.36	113.00
13	aB	814	CLA	C3C-C4C-NC	3.57	115.00	110.43
13	dA	832	CLA	C3C-C4C-NC	3.57	115.00	110.43
13	cB	812	CLA	CMD-C2D-C3D	-3.57	119.51	127.69
13	aB	822	CLA	C3C-C4C-NC	3.57	115.00	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	816	CLA	C3C-C4C-NC	3.57	115.00	110.43
13	aB	820	CLA	C1D-CHD-C4C	-3.56	118.44	126.02
13	dA	822	CLA	CAA-C2A-C3A	-3.56	103.37	113.00
13	bB	831	CLA	C3C-C4C-NC	3.56	115.00	110.43
13	dA	813	CLA	C1C-C2C-C3C	-3.56	103.23	106.98
13	bB	812	CLA	C3C-C4C-NC	3.56	114.99	110.43
13	aB	834	CLA	C4B-C3B-C2B	-3.56	102.87	107.30
13	cB	820	CLA	C1D-CHD-C4C	-3.56	118.45	126.02
13	dA	827	CLA	CBC-CAC-C3C	-3.56	102.76	112.42
13	cA	817	CLA	C3C-C4C-NC	3.56	114.99	110.43
13	cB	834	CLA	C4B-C3B-C2B	-3.56	102.87	107.30
13	bA	806	CLA	C3C-C4C-NC	3.56	114.99	110.43
13	cB	814	CLA	C3C-C4C-NC	3.56	114.99	110.43
13	dB	827	CLA	C4A-NA-C1A	-3.56	105.06	106.68
13	bA	809	CLA	C4B-C3B-C2B	-3.56	102.88	107.30
13	dB	830	CLA	C3B-C4B-NB	3.56	113.71	110.53
13	cA	839	CLA	C3C-C4C-NC	3.56	114.99	110.43
13	bB	811	CLA	CAA-C2A-C1A	3.56	123.63	111.97
13	aB	829	CLA	C1C-C2C-C3C	-3.55	103.24	106.98
13	bB	829	CLA	C1C-C2C-C3C	-3.55	103.24	106.98
13	dA	809	CLA	C4B-C3B-C2B	-3.55	102.88	107.30
13	cA	843	CLA	C3B-C4B-NB	3.55	113.70	110.53
13	aA	817	CLA	C3C-C4C-NC	3.55	114.98	110.43
13	dB	811	CLA	CAA-C2A-C1A	3.55	123.60	111.97
13	dB	818	CLA	C1-C2-C3	-3.55	120.39	126.20
13	dA	823	CLA	C4A-NA-C1A	-3.55	105.06	106.68
13	aK	203	CLA	C3C-C4C-NC	3.54	114.97	110.43
13	dB	831	CLA	CMB-C2B-C1B	3.54	130.82	125.42
13	bA	823	CLA	C4A-NA-C1A	-3.54	105.06	106.68
13	bB	831	CLA	CMB-C2B-C1B	3.54	130.81	125.42
13	dB	808	CLA	CHD-C1D-ND	-3.54	119.82	124.80
13	aA	839	CLA	C3C-C4C-NC	3.54	114.97	110.43
13	dB	812	CLA	C3C-C4C-NC	3.54	114.97	110.43
13	aB	831	CLA	O2D-CGD-CBD	3.54	117.42	111.23
13	aA	819	CLA	C1-C2-C3	-3.54	120.39	126.20
13	cA	819	CLA	C1-C2-C3	-3.54	120.39	126.20
13	cB	831	CLA	O2D-CGD-CBD	3.54	117.42	111.23
13	bB	818	CLA	C1-C2-C3	-3.54	120.40	126.20
15	cA	846	BCR	C3-C4-C5	-3.54	107.75	114.06
13	aB	810	CLA	CHC-C1C-C2C	-3.54	116.89	126.95
13	cA	824	CLA	C3C-C4C-NC	3.54	114.96	110.43
13	bB	812	CLA	C1C-C2C-C3C	-3.54	103.26	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	834	CLA	O2D-CGD-O1D	-3.54	116.96	123.85
13	cB	810	CLA	CHC-C1C-C2C	-3.54	116.89	126.95
13	cK	203	CLA	C3C-C4C-NC	3.54	114.96	110.43
13	bA	834	CLA	CHC-C1C-C2C	-3.54	116.90	126.95
13	aA	824	CLA	C3C-C4C-NC	3.54	114.96	110.43
13	dB	826	CLA	C3C-C4C-NC	3.53	114.96	110.43
13	cB	834	CLA	O2D-CGD-O1D	-3.53	116.97	123.85
13	dA	817	CLA	C3B-C4B-NB	3.53	113.69	110.53
13	cB	803	CLA	CAC-C3C-C4C	3.53	129.39	124.79
13	bB	832	CLA	C3B-C2B-C1B	-3.53	103.01	107.17
13	bA	817	CLA	C3B-C4B-NB	3.53	113.68	110.53
13	bB	830	CLA	C3B-C4B-NB	3.53	113.68	110.53
13	aB	803	CLA	CAC-C3C-C4C	3.53	129.38	124.79
13	aB	827	CLA	C1-C2-C3	-3.53	120.41	126.20
13	bB	823	CLA	CAC-C3C-C4C	3.53	129.38	124.79
13	cB	824	CLA	CAC-C3C-C4C	3.53	129.38	124.79
13	bF	201	CLA	C4B-C3B-C2B	-3.53	102.92	107.30
13	dB	829	CLA	C1C-C2C-C3C	-3.53	103.27	106.98
13	aA	832	CLA	CAC-C3C-C4C	3.53	129.38	124.79
13	dA	824	CLA	CHD-C1D-ND	-3.53	119.84	124.80
13	bB	808	CLA	CHD-C1D-ND	-3.53	119.84	124.80
13	cA	834	CLA	C3C-C4C-NC	3.53	114.95	110.43
13	cB	803	CLA	C11-C12-C13	-3.53	104.25	115.97
13	dA	831	CLA	C3B-C2B-C1B	-3.53	103.01	107.17
13	dA	834	CLA	CHC-C1C-C2C	-3.53	116.93	126.95
14	bB	833	PQN	C11-C12-C13	-3.52	120.76	126.83
13	aB	831	CLA	C3C-C4C-NC	3.52	114.94	110.43
13	aB	803	CLA	C11-C12-C13	-3.52	104.25	115.97
13	aB	807	CLA	CHD-C1D-ND	-3.52	119.84	124.80
13	cB	807	CLA	CHD-C1D-ND	-3.52	119.84	124.80
13	aA	834	CLA	C3C-C4C-NC	3.52	114.94	110.43
13	cB	803	CLA	CHD-C1D-ND	-3.52	119.84	124.80
13	dB	832	CLA	C3B-C2B-C1B	-3.52	103.02	107.17
13	cA	832	CLA	CAC-C3C-C4C	3.52	129.37	124.79
13	aA	834	CLA	O2D-CGD-CBD	3.52	117.39	111.23
13	cA	834	CLA	O2D-CGD-CBD	3.52	117.39	111.23
13	bB	810	CLA	C1C-C2C-C3C	-3.52	103.28	106.98
13	dA	833	CLA	C4-C3-C5	3.52	121.34	115.23
13	bB	809	CLA	C1C-C2C-C3C	-3.52	103.28	106.98
13	dB	810	CLA	C1C-C2C-C3C	-3.52	103.28	106.98
14	dB	833	PQN	C11-C12-C13	-3.52	120.77	126.83
13	bB	807	CLA	C3C-C4C-NC	3.52	114.94	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	806	CLA	C3C-C4C-NC	3.52	114.94	110.43
13	aB	812	CLA	CAA-C2A-C1A	3.52	123.50	111.97
13	bA	833	CLA	C4-C3-C5	3.52	121.33	115.23
13	bB	826	CLA	C3C-C4C-NC	3.52	114.93	110.43
13	aB	803	CLA	CHD-C1D-ND	-3.52	119.86	124.80
13	aA	814	CLA	C4C-C3C-C2C	-3.51	101.78	106.89
13	cB	827	CLA	C1-C2-C3	-3.51	120.44	126.20
13	cB	825	CLA	C3C-C4C-NC	3.51	114.93	110.43
13	dB	807	CLA	C3C-C4C-NC	3.51	114.93	110.43
13	cB	812	CLA	CAA-C2A-C1A	3.51	123.49	111.97
13	bB	829	CLA	C1-O2A-CGA	3.51	125.15	116.65
13	cB	834	CLA	CAC-C3C-C2C	3.51	134.01	127.56
13	cA	835	CLA	C3C-C4C-NC	3.51	114.93	110.43
13	aB	821	CLA	CHD-C4C-NC	3.51	129.68	124.23
13	dA	820	CLA	CHC-C1C-C2C	-3.51	116.97	126.95
15	aA	846	BCR	C3-C4-C5	-3.51	107.80	114.06
13	cB	831	CLA	C3C-C4C-NC	3.51	114.93	110.43
13	dB	829	CLA	C1-O2A-CGA	3.51	125.15	116.65
13	dA	831	CLA	C1C-C2C-C3C	-3.51	103.29	106.98
13	dB	809	CLA	C1C-C2C-C3C	-3.51	103.29	106.98
13	aA	806	CLA	CMC-C2C-C1C	3.51	130.52	125.03
13	dF	201	CLA	C4B-C3B-C2B	-3.51	102.94	107.30
13	bA	820	CLA	CHC-C1C-C2C	-3.51	116.98	126.95
13	bA	812	CLA	C1C-C2C-C3C	-3.51	103.29	106.98
13	cA	816	CLA	C1C-C2C-C3C	-3.51	103.29	106.98
13	aB	825	CLA	C3C-C4C-NC	3.51	114.92	110.43
13	cA	805	CLA	C3C-C4C-NC	3.51	114.92	110.43
13	dA	803	CLA	C3C-C4C-NC	3.51	114.92	110.43
13	dB	806	CLA	C1-C2-C3	-3.51	120.45	126.20
13	cB	823	CLA	C4C-C3C-C2C	-3.51	101.79	106.89
13	dA	812	CLA	C1C-C2C-C3C	-3.51	103.29	106.98
13	aA	821	CLA	CHD-C1D-ND	-3.51	119.87	124.80
13	aB	812	CLA	CBA-CAA-C2A	3.51	124.22	113.79
13	aB	823	CLA	C4C-C3C-C2C	-3.51	101.79	106.89
13	cA	838	CLA	C3B-C4B-NB	3.51	113.66	110.53
13	bB	803	CLA	C4-C3-C5	3.51	121.31	115.23
13	aB	805	CLA	C3D-C4D-ND	3.50	115.68	109.99
13	dB	803	CLA	C4-C3-C5	3.50	121.31	115.23
13	dA	844	CLA	C3C-C4C-NC	3.50	114.92	110.43
13	bA	806	CLA	C4C-C3C-C2C	-3.50	101.79	106.89
13	bA	803	CLA	C3C-C4C-NC	3.50	114.92	110.43
13	aB	824	CLA	CAC-C3C-C4C	3.50	129.34	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	804	CLA	C3B-C4B-NB	3.50	113.66	110.53
13	cA	821	CLA	CHD-C1D-ND	-3.50	119.88	124.80
13	aB	815	CLA	C4A-NA-C1A	-3.50	105.08	106.68
13	aA	829	CLA	CMC-C2C-C1C	3.50	130.50	125.03
13	cB	805	CLA	C3D-C4D-ND	3.50	115.68	109.99
13	aA	823	CLA	C3B-C4B-NB	3.50	113.65	110.53
13	aA	832	CLA	C3C-C4C-NC	3.50	114.91	110.43
13	bB	806	CLA	C1-C2-C3	-3.50	120.46	126.20
13	aA	835	CLA	C3C-C4C-NC	3.50	114.91	110.43
13	bB	813	CLA	C4C-C3C-C2C	-3.50	101.80	106.89
13	cA	832	CLA	C3C-C4C-NC	3.50	114.91	110.43
13	cB	812	CLA	CBA-CAA-C2A	3.50	124.20	113.79
13	aL	204	CLA	C3B-C4B-NB	3.50	113.65	110.53
13	bA	808	CLA	C1D-CHD-C4C	-3.50	118.59	126.02
13	dB	813	CLA	C4C-C3C-C2C	-3.50	101.80	106.89
13	bA	831	CLA	C3B-C2B-C1B	-3.50	103.05	107.17
13	bA	843	CLA	C3C-C4C-NC	3.49	114.91	110.43
13	cB	822	CLA	C3B-C4B-NB	3.49	113.65	110.53
13	aB	823	CLA	C4A-NA-C1A	-3.49	105.09	106.68
13	bA	844	CLA	C3C-C4C-NC	3.49	114.90	110.43
13	aA	804	CLA	C3B-C4B-NB	3.49	113.65	110.53
13	aA	811	CLA	C3B-C4B-NB	3.49	113.65	110.53
13	dA	836	CLA	CHD-C1D-ND	-3.49	119.89	124.80
13	bA	831	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
13	cA	806	CLA	CMC-C2C-C1C	3.49	130.49	125.03
12	bA	801	CL0	CGD-CBD-CAD	-3.49	99.54	110.85
13	cA	810	CLA	CHD-C1D-ND	-3.49	119.89	124.80
13	aA	838	CLA	C3B-C4B-NB	3.49	113.65	110.53
13	aA	809	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
13	dB	808	CLA	CAA-C2A-C3A	-3.49	103.57	113.00
13	dF	201	CLA	CAA-C2A-C3A	-3.49	103.57	113.00
13	dA	843	CLA	C3C-C4C-NC	3.49	114.90	110.43
13	aA	810	CLA	CHD-C1D-ND	-3.49	119.89	124.80
13	dA	818	CLA	C3C-C4C-NC	3.49	114.90	110.43
13	dJ	101	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
13	cF	201	CLA	C4-C3-C5	3.49	120.23	116.13
15	cB	837	BCR	C15-C16-C17	-3.49	116.39	123.52
13	bJ	101	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
13	cB	821	CLA	CHD-C4C-NC	3.49	129.63	124.23
13	dB	814	CLA	C3D-C2D-C1D	-3.49	101.08	105.83
13	bA	836	CLA	CHD-C1D-ND	-3.48	119.90	124.80
13	bB	825	CLA	CAA-C2A-C3A	-3.48	103.58	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	805	CLA	C3C-C4C-NC	3.48	114.89	110.43
13	cL	204	CLA	C3B-C4B-NB	3.48	113.64	110.53
13	bF	201	CLA	CAA-C2A-C3A	-3.48	103.58	113.00
13	aA	829	CLA	C1C-C2C-C3C	-3.48	103.32	106.98
15	aB	837	BCR	C15-C16-C17	-3.48	116.39	123.52
13	bB	825	CLA	C3C-C4C-NC	3.48	114.89	110.43
13	aB	834	CLA	CAC-C3C-C2C	3.48	133.96	127.56
13	dA	808	CLA	C1D-CHD-C4C	-3.48	118.62	126.02
12	dA	801	CL0	CGD-CBD-CAD	-3.48	99.57	110.85
13	dB	812	CLA	C1C-C2C-C3C	-3.48	103.32	106.98
13	bB	814	CLA	C3D-C2D-C1D	-3.48	101.08	105.83
13	bB	818	CLA	C3C-C4C-NC	3.48	114.89	110.43
13	aA	803	CLA	CHD-C1D-ND	-3.48	119.90	124.80
13	cA	814	CLA	C4C-C3C-C2C	-3.48	101.82	106.89
13	bB	808	CLA	CAA-C2A-C3A	-3.48	103.59	113.00
13	bA	836	CLA	O2A-CGA-CBA	3.48	122.45	111.83
13	dA	836	CLA	O2A-CGA-CBA	3.48	122.45	111.83
13	cB	824	CLA	C4B-C3B-C2B	-3.48	102.97	107.30
13	bA	811	CLA	CHC-C1C-C2C	-3.48	117.06	126.95
13	aA	816	CLA	C1C-C2C-C3C	-3.48	103.32	106.98
13	aA	827	CLA	C3C-C4C-NC	3.48	114.89	110.43
13	aB	812	CLA	C1C-C2C-C3C	-3.48	103.32	106.98
13	bL	203	CLA	C4C-C3C-C2C	-3.48	101.83	106.89
13	aB	824	CLA	C4B-C3B-C2B	-3.48	102.98	107.30
13	cA	803	CLA	CHD-C1D-ND	-3.48	119.91	124.80
13	bB	823	CLA	C2B-C1B-NB	3.48	113.93	110.33
13	dA	813	CLA	C4-C3-C5	3.48	121.26	115.23
13	bA	839	CLA	C3B-C2B-C1B	-3.48	103.07	107.17
13	cA	829	CLA	CHD-C4C-NC	3.47	129.62	124.23
13	dL	203	CLA	C4C-C3C-C2C	-3.47	101.83	106.89
13	cA	809	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
13	dA	830	CLA	C3B-C4B-NB	3.47	113.63	110.53
13	dB	825	CLA	CAA-C2A-C3A	-3.47	103.61	113.00
13	cA	843	CLA	CHC-C1C-C2C	-3.47	117.08	126.95
13	aB	825	CLA	C1D-CHD-C4C	-3.47	118.64	126.02
13	dB	827	CLA	CAC-C3C-C4C	3.47	129.31	124.79
13	aA	833	CLA	C3C-C4C-NC	3.47	114.88	110.43
13	bB	824	CLA	CMB-C2B-C1B	3.47	130.70	125.42
13	cA	829	CLA	CMC-C2C-C1C	3.47	130.46	125.03
13	dB	818	CLA	C3C-C4C-NC	3.47	114.87	110.43
13	aF	201	CLA	C4-C3-C5	3.47	120.21	116.13
13	dA	811	CLA	CHC-C1C-C2C	-3.47	117.09	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	836	CLA	CAA-C2A-C3A	-3.47	103.63	113.00
13	cB	812	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
13	cA	827	CLA	C3C-C4C-NC	3.47	114.87	110.43
13	cB	809	CLA	C3C-C4C-NC	3.47	114.87	110.43
13	aA	836	CLA	CAA-C2A-C3A	-3.47	103.63	113.00
13	dB	823	CLA	O2D-CGD-O1D	-3.47	117.10	123.85
13	cA	836	CLA	C3C-C4C-NC	3.47	114.87	110.43
13	dB	828	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
13	bA	813	CLA	C4-C3-C5	3.47	121.25	115.23
13	dA	806	CLA	CHD-C1D-ND	-3.47	119.92	124.80
13	bB	808	CLA	C3B-C4B-NB	3.47	113.62	110.53
13	cA	829	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
13	cA	833	CLA	C3C-C4C-NC	3.46	114.87	110.43
13	aA	808	CLA	CAC-C3C-C4C	3.46	129.30	124.79
13	dA	804	CLA	C1C-C2C-C3C	-3.46	103.34	106.98
13	bL	203	CLA	C3C-C4C-NC	3.46	114.87	110.43
13	dA	806	CLA	C4C-C3C-C2C	-3.46	101.85	106.89
13	bA	843	CLA	C4A-NA-C1A	-3.46	105.10	106.68
13	cB	819	CLA	CAC-C3C-C4C	3.46	129.30	124.79
13	aA	843	CLA	CHC-C1C-C2C	-3.46	117.11	126.95
13	aA	836	CLA	C3C-C4C-NC	3.46	114.86	110.43
13	bJ	101	CLA	C3C-C4C-NC	3.46	114.86	110.43
13	aB	822	CLA	C3B-C4B-NB	3.46	113.62	110.53
13	cB	825	CLA	C1D-CHD-C4C	-3.46	118.67	126.02
13	bA	806	CLA	CHD-C1D-ND	-3.46	119.93	124.80
13	bB	823	CLA	O2D-CGD-O1D	-3.46	117.11	123.85
13	dA	812	CLA	O2D-CGD-CBD	3.46	117.28	111.23
13	bA	807	CLA	C1C-C2C-C3C	-3.46	103.34	106.98
13	aB	809	CLA	C3C-C4C-NC	3.46	114.86	110.43
13	dL	203	CLA	C3C-C4C-NC	3.46	114.86	110.43
13	dA	829	CLA	C1-C2-C3	-3.46	120.53	126.20
13	dJ	101	CLA	C3C-C4C-NC	3.46	114.86	110.43
13	dA	807	CLA	C1C-C2C-C3C	-3.46	103.34	106.98
13	bB	811	CLA	CHD-C1D-ND	-3.46	119.94	124.80
13	bB	813	CLA	C3B-C4B-NB	3.46	113.62	110.53
13	bB	814	CLA	C3B-C4B-NB	3.46	113.62	110.53
13	bA	818	CLA	C3C-C4C-NC	3.46	114.86	110.43
13	bA	804	CLA	C1C-C2C-C3C	-3.46	103.34	106.98
13	dB	808	CLA	C3B-C4B-NB	3.46	113.61	110.53
13	dB	825	CLA	C3C-C4C-NC	3.46	114.86	110.43
13	aB	819	CLA	CAC-C3C-C4C	3.46	129.29	124.79
13	bB	827	CLA	CAC-C3C-C4C	3.46	129.29	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	808	CLA	CAC-C3C-C4C	3.46	129.29	124.79
13	aB	807	CLA	O2D-CGD-O1D	-3.45	117.13	123.85
13	dB	824	CLA	CMB-C2B-C1B	3.45	130.68	125.42
13	cB	807	CLA	O2D-CGD-O1D	-3.45	117.13	123.85
13	cB	823	CLA	C4A-NA-C1A	-3.45	105.10	106.68
13	cA	808	CLA	CMB-C2B-C1B	3.45	130.68	125.42
13	dB	811	CLA	CHD-C1D-ND	-3.45	119.94	124.80
15	dJ	104	BCR	C11-C10-C9	-3.45	122.44	127.28
13	aA	808	CLA	CMB-C2B-C1B	3.45	130.67	125.42
13	bA	810	CLA	CAC-C3C-C4C	3.45	129.28	124.79
13	aA	835	CLA	CHC-C1C-C2C	-3.45	117.15	126.95
13	dB	831	CLA	CAA-C2A-C3A	-3.45	103.68	113.00
13	cA	823	CLA	C3C-C4C-NC	3.45	114.85	110.43
13	dA	806	CLA	CHC-C1C-C2C	-3.45	117.15	126.95
13	bA	830	CLA	C3B-C4B-NB	3.45	113.61	110.53
13	dA	816	CLA	C3B-C4B-NB	3.45	113.61	110.53
13	dA	810	CLA	CAC-C3C-C4C	3.45	129.27	124.79
12	aA	801	CL0	C1-C2-C3	-3.45	120.55	126.20
13	cA	823	CLA	C3B-C4B-NB	3.45	113.61	110.53
13	aA	838	CLA	C3C-C4C-NC	3.45	114.84	110.43
13	bB	831	CLA	CAA-C2A-C3A	-3.45	103.69	113.00
13	cA	835	CLA	CHC-C1C-C2C	-3.45	117.16	126.95
15	bF	203	BCR	C11-C10-C9	-3.45	122.45	127.28
13	cA	838	CLA	C3C-C4C-NC	3.44	114.84	110.43
13	bA	812	CLA	O2D-CGD-CBD	3.44	117.25	111.23
13	bA	804	CLA	CAC-C3C-C4C	3.44	129.27	124.79
12	cA	801	CL0	C1-C2-C3	-3.44	120.55	126.20
13	bA	829	CLA	C1-C2-C3	-3.44	120.55	126.20
13	dB	810	CLA	CHD-C4C-NC	3.44	129.57	124.23
13	dA	810	CLA	O2D-CGD-CBD	3.44	117.25	111.23
15	bJ	103	BCR	C2-C1-C6	3.44	115.44	110.44
13	bB	808	CLA	C4A-NA-C1A	-3.44	105.11	106.68
13	bB	811	CLA	C3D-C4D-ND	3.44	115.58	109.99
13	bA	810	CLA	O2D-CGD-CBD	3.44	117.25	111.23
13	dA	804	CLA	CAC-C3C-C4C	3.44	129.27	124.79
13	cB	832	CLA	C3B-C4B-NB	3.44	113.60	110.53
13	aA	803	CLA	CHB-C4A-NA	3.44	129.37	124.40
13	dA	828	CLA	CHD-C4C-NC	3.44	129.57	124.23
13	dB	823	CLA	C2B-C1B-NB	3.44	113.89	110.33
13	cA	802	CLA	CBC-CAC-C3C	-3.44	103.09	112.42
13	aA	802	CLA	CBC-CAC-C3C	-3.44	103.09	112.42
13	dA	804	CLA	C4C-C3C-C2C	-3.44	101.88	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	829	CLA	CHD-C4C-NC	3.44	129.56	124.23
13	bB	810	CLA	CHD-C4C-NC	3.44	129.56	124.23
13	cA	843	CLA	C4A-NA-C1A	-3.44	105.11	106.68
13	bA	804	CLA	C4C-C3C-C2C	-3.44	101.89	106.89
13	dB	816	CLA	C4B-C3B-C2B	-3.44	103.03	107.30
13	bA	818	CLA	C4A-NA-C1A	-3.44	105.11	106.68
13	aA	821	CLA	CMB-C2B-C1B	3.44	130.65	125.42
13	bA	806	CLA	CHC-C1C-C2C	-3.44	117.18	126.95
13	bB	828	CLA	C1C-C2C-C3C	-3.44	103.37	106.98
13	cA	803	CLA	CHB-C4A-NA	3.44	129.36	124.40
15	dJ	103	BCR	C2-C1-C6	3.44	115.43	110.44
13	cB	811	CLA	C4B-C3B-C2B	-3.44	103.03	107.30
13	dA	839	CLA	C3B-C2B-C1B	-3.44	103.12	107.17
13	dA	809	CLA	C1-C2-C3	-3.44	120.57	126.20
13	dA	839	CLA	CHC-C1C-C2C	-3.43	117.19	126.95
13	bA	828	CLA	CHD-C4C-NC	3.43	129.56	124.23
13	cA	811	CLA	C3B-C4B-NB	3.43	113.59	110.53
13	dB	814	CLA	C3B-C4B-NB	3.43	113.59	110.53
13	dA	832	CLA	C1C-C2C-C3C	-3.43	103.37	106.98
13	cB	826	CLA	C3C-C4C-NC	3.43	114.83	110.43
13	dB	832	CLA	C3C-C4C-NC	3.43	114.82	110.43
13	aB	811	CLA	C4B-C3B-C2B	-3.43	103.04	107.30
15	bJ	104	BCR	C11-C10-C9	-3.43	122.47	127.28
13	aA	837	CLA	C3B-C4B-NB	3.43	113.59	110.53
13	aA	810	CLA	C3C-C4C-NC	3.43	114.82	110.43
15	dF	203	BCR	C11-C10-C9	-3.43	122.47	127.28
13	dB	806	CLA	C1D-CHD-C4C	-3.43	118.73	126.02
13	cA	809	CLA	C3C-C4C-NC	3.43	114.82	110.43
13	aA	840	CLA	CMB-C2B-C1B	3.42	130.63	125.42
13	bA	816	CLA	C1C-C2C-C3C	-3.42	103.38	106.98
13	cL	204	CLA	C1C-C2C-C3C	-3.42	103.38	106.98
13	aB	826	CLA	C3C-C4C-NC	3.42	114.82	110.43
13	bA	839	CLA	CHC-C1C-C2C	-3.42	117.22	126.95
13	dA	811	CLA	C4B-C3B-C2B	-3.42	103.04	107.30
13	dA	819	CLA	CAC-C3C-C4C	3.42	129.25	124.79
13	cA	821	CLA	CMB-C2B-C1B	3.42	130.63	125.42
13	cA	837	CLA	C3B-C4B-NB	3.42	113.58	110.53
13	bA	802	CLA	O2A-CGA-CBA	3.42	122.27	111.83
13	dB	809	CLA	C1-C2-C3	-3.42	120.59	126.20
13	aA	843	CLA	C4A-NA-C1A	-3.42	105.12	106.68
13	dB	811	CLA	C3D-C4D-ND	3.42	115.55	109.99
13	aA	823	CLA	C3C-C4C-NC	3.42	114.81	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	820	CLA	CBA-CAA-C2A	3.42	123.97	113.79
13	dA	818	CLA	C4A-NA-C1A	-3.42	105.12	106.68
13	cK	201	CLA	CHC-C1C-C2C	-3.42	117.23	126.95
13	bA	819	CLA	CAC-C3C-C4C	3.42	129.24	124.79
13	bB	806	CLA	C1D-CHD-C4C	-3.42	118.76	126.02
13	bA	809	CLA	C1-C2-C3	-3.42	120.60	126.20
13	bA	820	CLA	CBA-CAA-C2A	3.42	123.96	113.79
13	dA	802	CLA	O2A-CGA-CBA	3.42	122.25	111.83
13	aB	832	CLA	C3B-C4B-NB	3.42	113.58	110.53
13	dB	813	CLA	C3B-C4B-NB	3.42	113.58	110.53
13	dA	819	CLA	C4C-C3C-C2C	-3.42	101.92	106.89
13	dB	803	CLA	CMC-C2C-C1C	3.41	130.37	125.03
13	bA	816	CLA	C3B-C4B-NB	3.41	113.58	110.53
13	dL	202	CLA	CBC-CAC-C3C	-3.41	103.17	112.42
13	aB	830	CLA	C3B-C4B-NB	3.41	113.58	110.53
13	bA	832	CLA	C1C-C2C-C3C	-3.41	103.39	106.98
13	aA	812	CLA	C3C-C4C-NC	3.41	114.80	110.43
13	cA	820	CLA	CBA-CAA-C2A	3.41	123.94	113.79
13	bB	823	CLA	CHD-C1D-ND	-3.41	120.00	124.80
13	bB	803	CLA	CMC-C2C-C1C	3.41	130.36	125.03
13	dA	821	CLA	O2A-CGA-CBA	3.41	122.23	111.83
13	dB	823	CLA	CHD-C1D-ND	-3.41	120.00	124.80
13	dA	816	CLA	C1C-C2C-C3C	-3.41	103.39	106.98
13	bB	832	CLA	C3C-C4C-NC	3.41	114.80	110.43
15	dA	846	BCR	C27-C26-C25	3.41	127.31	122.70
13	bA	831	CLA	CAA-C2A-C3A	-3.41	103.79	113.00
13	aA	820	CLA	CBA-CAA-C2A	3.41	123.93	113.79
13	aL	203	CLA	C3C-C4C-NC	3.41	114.80	110.43
13	cA	813	CLA	C3C-C4C-NC	3.41	114.80	110.43
13	bB	809	CLA	C1-C2-C3	-3.41	120.61	126.20
13	bA	819	CLA	C4C-C3C-C2C	-3.41	101.93	106.89
13	cA	810	CLA	C3C-C4C-NC	3.41	114.79	110.43
13	dB	824	CLA	C3C-C4C-NC	3.41	114.79	110.43
13	cA	825	CLA	CAA-C2A-C3A	-3.41	103.80	113.00
13	bL	202	CLA	CBC-CAC-C3C	-3.41	103.19	112.42
13	aA	809	CLA	C3C-C4C-NC	3.41	114.79	110.43
13	cB	813	CLA	CAC-C3C-C4C	3.40	129.22	124.79
13	aA	808	CLA	C3B-C4B-NB	3.40	113.57	110.53
13	cB	830	CLA	C3B-C4B-NB	3.40	113.57	110.53
13	cB	831	CLA	CHD-C4C-NC	3.40	129.51	124.23
13	aK	201	CLA	CHC-C1C-C2C	-3.40	117.28	126.95
13	bB	811	CLA	C4B-C3B-C2B	-3.40	103.07	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	821	CLA	O2A-CGA-CBA	3.40	122.21	111.83
13	aB	828	CLA	C4B-C3B-C2B	-3.40	103.07	107.30
13	bA	811	CLA	C4B-C3B-C2B	-3.40	103.07	107.30
13	bL	203	CLA	CAC-C3C-C4C	3.40	129.22	124.79
13	bB	817	CLA	C3B-C4B-NB	3.40	113.57	110.53
13	dA	831	CLA	CAA-C2A-C3A	-3.40	103.81	113.00
13	aB	809	CLA	C1D-CHD-C4C	-3.40	118.79	126.02
13	cB	828	CLA	C4B-C3B-C2B	-3.40	103.07	107.30
15	bA	846	BCR	C27-C26-C25	3.40	127.30	122.70
13	aB	823	CLA	CHD-C1D-ND	-3.40	120.02	124.80
13	cA	828	CLA	C4C-C3C-C2C	-3.40	101.94	106.89
13	cB	809	CLA	C1D-CHD-C4C	-3.40	118.79	126.02
13	cA	840	CLA	CMB-C2B-C1B	3.40	130.59	125.42
13	cB	804	CLA	CBA-CAA-C2A	3.40	123.91	113.79
13	aL	204	CLA	C1C-C2C-C3C	-3.40	103.41	106.98
13	dB	803	CLA	C4C-C3C-C2C	-3.40	101.95	106.89
13	aA	836	CLA	C3B-C4B-NB	3.40	113.56	110.53
13	cA	806	CLA	C3C-C4C-NC	3.39	114.78	110.43
13	aA	828	CLA	C4C-C3C-C2C	-3.39	101.95	106.89
13	aA	825	CLA	CAA-C2A-C3A	-3.39	103.83	113.00
13	bB	816	CLA	C4B-C3B-C2B	-3.39	103.08	107.30
13	dB	811	CLA	C4B-C3B-C2B	-3.39	103.08	107.30
13	dB	808	CLA	C4A-NA-C1A	-3.39	105.13	106.68
13	bB	827	CLA	C3C-C4C-NC	3.39	114.78	110.43
13	cA	836	CLA	C3B-C4B-NB	3.39	113.56	110.53
13	aB	813	CLA	CAC-C3C-C4C	3.39	129.20	124.79
13	bA	830	CLA	CAC-C3C-C4C	3.39	129.20	124.79
13	aB	804	CLA	CBA-CAA-C2A	3.39	123.87	113.79
13	aB	810	CLA	C4B-C3B-C2B	-3.39	103.09	107.30
13	dB	827	CLA	C3C-C4C-NC	3.39	114.77	110.43
13	dA	837	CLA	O2D-CGD-O1D	-3.39	117.26	123.85
13	bA	821	CLA	C4B-C3B-C2B	-3.39	103.09	107.30
13	bB	824	CLA	C3C-C4C-NC	3.38	114.77	110.43
13	cB	825	CLA	C1C-C2C-C3C	-3.38	103.42	106.98
13	cB	823	CLA	CHD-C1D-ND	-3.38	120.04	124.80
13	dA	821	CLA	O2D-CGD-O1D	-3.38	117.26	123.85
13	aA	813	CLA	C3C-C4C-NC	3.38	114.76	110.43
13	bA	844	CLA	O1D-CGD-CBD	-3.38	117.85	124.52
13	aB	831	CLA	CHD-C4C-NC	3.38	129.47	124.23
13	dA	830	CLA	CAC-C3C-C4C	3.38	129.19	124.79
13	dA	832	CLA	CMB-C2B-C1B	3.38	130.57	125.42
13	cK	204	CLA	CHC-C1C-C2C	-3.38	117.34	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	aB	835	PQN	C16-C15-C13	-3.38	105.23	113.47
14	cB	835	PQN	C16-C15-C13	-3.38	105.23	113.47
13	aB	810	CLA	CHD-C1D-ND	-3.38	120.05	124.80
13	dB	811	CLA	C4C-C3C-C2C	-3.38	101.97	106.89
13	bB	805	CLA	C1C-C2C-C3C	-3.38	103.42	106.98
13	cB	810	CLA	CHD-C1D-ND	-3.38	120.05	124.80
13	bB	803	CLA	C4C-C3C-C2C	-3.38	101.97	106.89
13	cA	812	CLA	C3C-C4C-NC	3.38	114.75	110.43
13	aB	834	CLA	C2B-C1B-NB	3.38	113.83	110.33
13	cB	834	CLA	C2B-C1B-NB	3.38	113.83	110.33
13	dA	812	CLA	CHC-C1C-C2C	-3.38	117.35	126.95
13	aJ	101	CLA	C3B-C4B-NB	3.38	113.54	110.53
13	aK	204	CLA	CHC-C1C-C2C	-3.38	117.36	126.95
13	cA	808	CLA	C3B-C4B-NB	3.37	113.54	110.53
13	bL	203	CLA	CHD-C4C-NC	3.37	129.46	124.23
13	cF	201	CLA	CAA-C2A-C3A	-3.37	103.88	113.00
13	bA	808	CLA	C3C-C4C-NC	3.37	114.75	110.43
13	dA	844	CLA	O1D-CGD-CBD	-3.37	117.87	124.52
13	dL	203	CLA	CHD-C4C-NC	3.37	129.46	124.23
13	cL	203	CLA	C3C-C4C-NC	3.37	114.75	110.43
13	bB	807	CLA	C3B-C4B-NB	3.37	113.54	110.53
13	cB	803	CLA	CED-O2D-CGD	3.37	123.56	115.92
13	aB	805	CLA	CHB-C4A-NA	3.37	129.26	124.40
13	dB	823	CLA	C4-C3-C5	3.37	121.08	115.23
13	aB	803	CLA	CED-O2D-CGD	3.37	123.56	115.92
13	dA	805	CLA	C3C-C4C-NC	3.37	114.75	110.43
13	bA	842	CLA	O2A-CGA-CBA	3.37	122.11	111.83
13	bA	821	CLA	O2D-CGD-O1D	-3.37	117.29	123.85
13	bA	837	CLA	O2D-CGD-O1D	-3.37	117.29	123.85
13	dA	808	CLA	C3C-C4C-NC	3.37	114.75	110.43
13	aA	806	CLA	C3C-C4C-NC	3.37	114.75	110.43
13	bB	823	CLA	C4-C3-C5	3.37	121.07	115.23
13	aA	830	CLA	CAC-C3C-C4C	3.37	129.17	124.79
13	aB	816	CLA	C3B-C4B-NB	3.37	113.54	110.53
13	dB	817	CLA	C3B-C4B-NB	3.37	113.54	110.53
13	aF	201	CLA	CAA-C2A-C3A	-3.37	103.90	113.00
13	cB	810	CLA	C4B-C3B-C2B	-3.37	103.11	107.30
13	bA	841	CLA	C1-C2-C3	-3.37	120.68	126.20
13	dB	806	CLA	O2D-CGD-O1D	-3.37	117.30	123.85
13	cF	201	CLA	C3C-C4C-NC	3.37	114.74	110.43
13	dL	203	CLA	CAC-C3C-C4C	3.37	129.17	124.79
13	bA	804	CLA	CHC-C1C-C2C	-3.37	117.38	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	820	CLA	C1C-C2C-C3C	-3.36	103.44	106.98
13	dB	805	CLA	C1C-C2C-C3C	-3.36	103.44	106.98
13	aF	201	CLA	C3C-C4C-NC	3.36	114.74	110.43
13	bA	812	CLA	CHC-C1C-C2C	-3.36	117.39	126.95
13	aB	825	CLA	C1C-C2C-C3C	-3.36	103.44	106.98
13	dA	804	CLA	CHC-C1C-C2C	-3.36	117.39	126.95
13	bA	820	CLA	C1C-C2C-C3C	-3.36	103.44	106.98
13	dA	807	CLA	C3C-C4C-NC	3.36	114.74	110.43
15	dA	849	BCR	C7-C8-C9	-3.36	121.26	126.23
13	dA	821	CLA	C4B-C3B-C2B	-3.36	103.12	107.30
13	bA	807	CLA	C3C-C4C-NC	3.36	114.73	110.43
13	cA	825	CLA	C3B-C4B-NB	3.36	113.53	110.53
13	bB	810	CLA	C3C-C4C-NC	3.36	114.73	110.43
13	bA	805	CLA	C3C-C4C-NC	3.36	114.73	110.43
13	dA	842	CLA	O2A-CGA-CBA	3.36	122.07	111.83
13	cB	805	CLA	CHB-C4A-NA	3.36	129.25	124.40
13	dB	828	CLA	C3B-C4B-NB	3.36	113.53	110.53
13	aA	841	CLA	CHC-C1C-C2C	-3.36	117.41	126.95
13	bB	828	CLA	C3B-C4B-NB	3.36	113.53	110.53
13	cB	801	CLA	C4C-C3C-C2C	-3.35	102.01	106.89
13	dB	804	CLA	CHC-C1C-C2C	-3.35	117.42	126.95
13	bB	816	CLA	CHC-C1C-C2C	-3.35	117.42	126.95
13	cA	820	CLA	CHC-C1C-C2C	-3.35	117.42	126.95
13	cB	819	CLA	C3C-C4C-NC	3.35	114.73	110.43
13	bB	811	CLA	C4C-C3C-C2C	-3.35	102.01	106.89
13	dB	810	CLA	C3C-C4C-NC	3.35	114.72	110.43
13	dA	841	CLA	C1-C2-C3	-3.35	120.70	126.20
13	bA	829	CLA	CAC-C3C-C4C	3.35	129.15	124.79
13	aA	825	CLA	C3B-C4B-NB	3.35	113.52	110.53
13	cJ	101	CLA	C3B-C4B-NB	3.35	113.52	110.53
13	cB	805	CLA	O2D-CGD-CBD	3.35	117.09	111.23
13	cA	818	CLA	CHD-C4C-NC	3.35	129.43	124.23
13	bB	806	CLA	O2D-CGD-O1D	-3.35	117.33	123.85
13	bB	804	CLA	CHC-C1C-C2C	-3.35	117.43	126.95
13	dB	805	CLA	C3B-C4B-NB	3.35	113.52	110.53
13	dB	816	CLA	CHC-C1C-C2C	-3.35	117.43	126.95
13	cA	841	CLA	CHC-C1C-C2C	-3.35	117.44	126.95
13	cA	830	CLA	CAC-C3C-C4C	3.35	129.15	124.79
13	cA	804	CLA	C4B-C3B-C2B	-3.35	103.14	107.30
13	aB	819	CLA	C3C-C4C-NC	3.35	114.72	110.43
13	cB	803	CLA	C3B-C4B-NB	3.34	113.52	110.53
13	dA	828	CLA	C1C-C2C-C3C	-3.34	103.46	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	822	CLA	C3C-C4C-NC	3.34	114.71	110.43
13	cB	824	CLA	C3C-C4C-NC	3.34	114.71	110.43
13	aA	809	CLA	O2A-CGA-CBA	3.34	122.03	111.83
13	bA	832	CLA	CMB-C2B-C1B	3.34	130.51	125.42
13	bB	809	CLA	O2D-CGD-CBD	3.34	117.08	111.23
13	dA	802	CLA	CHC-C1C-C2C	-3.34	117.45	126.95
13	aA	804	CLA	C4B-C3B-C2B	-3.34	103.15	107.30
13	dA	844	CLA	C4A-NA-C1A	-3.34	105.16	106.68
13	dB	825	CLA	C1C-C2C-C3C	-3.34	103.47	106.98
15	cA	846	BCR	C15-C16-C17	-3.34	116.69	123.52
13	cB	803	CLA	CMA-C3A-C4A	-3.34	102.80	111.77
13	aA	822	CLA	C3C-C4C-NC	3.34	114.71	110.43
13	dB	804	CLA	C3D-C4D-ND	3.34	115.41	109.99
13	cJ	101	CLA	CAC-C3C-C4C	3.34	129.13	124.79
13	bB	814	CLA	CAA-C2A-C3A	-3.34	103.98	113.00
13	aA	807	CLA	CHC-C1C-C2C	-3.34	117.46	126.95
13	aB	801	CLA	C4C-C3C-C2C	-3.34	102.03	106.89
15	bA	849	BCR	C7-C8-C9	-3.34	121.30	126.23
13	cA	809	CLA	O2A-CGA-CBA	3.34	122.01	111.83
13	bB	820	CLA	C1-C2-C3	-3.34	120.73	126.20
13	aB	805	CLA	O2D-CGD-CBD	3.34	117.06	111.23
13	aB	803	CLA	CMA-C3A-C4A	-3.34	102.81	111.77
13	dA	838	CLA	C3C-C4C-NC	3.34	114.70	110.43
13	aB	801	CLA	CHC-C1C-C2C	-3.34	117.47	126.95
13	bA	815	CLA	CHC-C1C-C2C	-3.34	117.47	126.95
15	aA	846	BCR	C15-C16-C17	-3.34	116.69	123.52
13	bA	830	CLA	CHC-C1C-C2C	-3.34	117.47	126.95
13	dB	807	CLA	C3B-C4B-NB	3.33	113.51	110.53
13	bB	829	CLA	CHD-C4C-NC	3.33	129.40	124.23
13	dA	824	CLA	C4B-C3B-C2B	-3.33	103.16	107.30
13	aA	820	CLA	CHC-C1C-C2C	-3.33	117.47	126.95
13	bA	805	CLA	C1D-CHD-C4C	-3.33	118.93	126.02
13	dB	814	CLA	CAA-C2A-C3A	-3.33	103.99	113.00
13	aB	803	CLA	C3B-C4B-NB	3.33	113.50	110.53
13	bA	828	CLA	C1C-C2C-C3C	-3.33	103.47	106.98
13	aA	811	CLA	C3C-C4C-NC	3.33	114.70	110.43
13	dA	830	CLA	CHC-C1C-C2C	-3.33	117.48	126.95
13	cB	816	CLA	C3B-C4B-NB	3.33	113.50	110.53
13	bA	802	CLA	CHC-C1C-C2C	-3.33	117.48	126.95
13	dB	829	CLA	CHD-C4C-NC	3.33	129.40	124.23
13	cA	811	CLA	CMB-C2B-C1B	3.33	130.49	125.42
13	cB	801	CLA	CHC-C1C-C2C	-3.33	117.49	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	805	CLA	C3B-C4B-NB	3.33	113.50	110.53
13	dA	815	CLA	CHC-C1C-C2C	-3.33	117.49	126.95
13	bB	825	CLA	C1C-C2C-C3C	-3.33	103.48	106.98
13	dA	805	CLA	C1D-CHD-C4C	-3.33	118.94	126.02
13	dA	837	CLA	C3C-C4C-NC	3.33	114.69	110.43
13	bA	824	CLA	C4B-C3B-C2B	-3.33	103.17	107.30
13	aA	842	CLA	C1C-C2C-C3C	-3.33	103.48	106.98
13	dF	201	CLA	C3C-C4C-NC	3.33	114.69	110.43
13	bA	844	CLA	C4A-NA-C1A	-3.33	105.16	106.68
13	dB	829	CLA	CMB-C2B-C1B	3.33	130.48	125.42
13	dA	840	CLA	CHD-C1D-ND	-3.33	120.12	124.80
13	bA	815	CLA	CAC-C3C-C4C	3.32	129.12	124.79
13	dA	815	CLA	CAC-C3C-C4C	3.32	129.12	124.79
13	bF	201	CLA	C3C-C4C-NC	3.32	114.69	110.43
13	cA	842	CLA	C1C-C2C-C3C	-3.32	103.48	106.98
13	cA	807	CLA	CHC-C1C-C2C	-3.32	117.50	126.95
13	bA	812	CLA	O2A-CGA-CBA	3.32	121.96	111.83
13	cA	832	CLA	C1-C2-C3	-3.32	121.39	126.76
13	cA	827	CLA	O2A-CGA-CBA	3.32	121.96	111.83
13	bA	843	CLA	C4B-C3B-C2B	-3.32	103.17	107.30
13	cA	822	CLA	C4C-C3C-C2C	-3.32	102.06	106.89
13	dB	823	CLA	C4C-C3C-C2C	-3.32	102.06	106.89
13	cA	815	CLA	C1C-C2C-C3C	-3.32	103.49	106.98
13	bA	838	CLA	C3C-C4C-NC	3.32	114.68	110.43
13	dA	843	CLA	C4B-C3B-C2B	-3.32	103.17	107.30
13	dA	829	CLA	CAC-C3C-C4C	3.32	129.11	124.79
13	dB	809	CLA	O2D-CGD-CBD	3.32	117.03	111.23
13	aA	818	CLA	CHD-C4C-NC	3.32	129.38	124.23
13	dB	825	CLA	C4B-C3B-C2B	-3.32	103.18	107.30
13	aA	827	CLA	O2A-CGA-CBA	3.32	121.95	111.83
13	cA	804	CLA	C3C-C4C-NC	3.32	114.68	110.43
13	bB	825	CLA	C4B-C3B-C2B	-3.32	103.18	107.30
13	bB	804	CLA	C3D-C4D-ND	3.32	115.38	109.99
13	dB	820	CLA	C1-C2-C3	-3.32	120.76	126.20
13	aB	824	CLA	C3C-C4C-NC	3.32	114.68	110.43
13	dA	816	CLA	CAC-C3C-C4C	3.32	129.10	124.79
13	bB	821	CLA	C1C-C2C-C3C	-3.32	103.49	106.98
13	aB	806	CLA	C1C-C2C-C3C	-3.31	103.49	106.98
13	aA	811	CLA	CMB-C2B-C1B	3.31	130.47	125.42
13	cA	823	CLA	CHD-C1D-ND	-3.31	120.14	124.80
13	bB	829	CLA	CMB-C2B-C1B	3.31	130.46	125.42
13	dB	802	CLA	CHC-C1C-C2C	-3.31	117.53	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	807	CLA	O2D-CGD-O1D	-3.31	117.40	123.85
13	dA	816	CLA	C4C-C3C-C2C	-3.31	102.07	106.89
13	bA	840	CLA	CHD-C1D-ND	-3.31	120.14	124.80
13	aA	839	CLA	O2D-CGD-O1D	-3.31	117.40	123.85
13	cA	839	CLA	C4B-C3B-C2B	-3.31	103.19	107.30
13	bA	820	CLA	CHD-C1D-ND	-3.31	120.14	124.80
13	aA	826	CLA	CAC-C3C-C4C	3.31	129.10	124.79
13	cA	826	CLA	CAC-C3C-C4C	3.31	129.10	124.79
13	dB	822	CLA	CAC-C3C-C4C	3.31	129.10	124.79
13	dB	827	CLA	C3B-C4B-NB	3.31	113.48	110.53
13	cB	806	CLA	C1C-C2C-C3C	-3.31	103.50	106.98
13	bB	827	CLA	C3B-C4B-NB	3.31	113.48	110.53
13	aA	832	CLA	C1-C2-C3	-3.31	121.41	126.76
13	aA	815	CLA	C1C-C2C-C3C	-3.31	103.50	106.98
13	bA	825	CLA	CAA-C2A-C3A	-3.31	104.06	113.00
13	bB	807	CLA	CAA-C2A-C3A	-3.31	104.06	113.00
13	dA	835	CLA	CHC-C1C-C2C	-3.31	117.55	126.95
13	bA	835	CLA	CHC-C1C-C2C	-3.31	117.55	126.95
13	dA	825	CLA	CAA-C2A-C3A	-3.31	104.06	113.00
14	dA	845	PQN	C14-C13-C15	3.31	120.97	115.23
13	aB	818	CLA	O2D-CGD-O1D	-3.31	117.41	123.85
13	dA	812	CLA	O2A-CGA-CBA	3.31	121.92	111.83
13	cB	828	CLA	CHC-C1C-C2C	-3.31	117.55	126.95
13	bF	204	CLA	C3C-C4C-NC	3.31	114.66	110.43
13	cB	818	CLA	O2D-CGD-O1D	-3.30	117.42	123.85
13	aA	822	CLA	C4C-C3C-C2C	-3.30	102.08	106.89
13	aJ	101	CLA	CAC-C3C-C4C	3.30	129.09	124.79
13	dA	817	CLA	C4B-C3B-C2B	-3.30	103.19	107.30
13	cA	839	CLA	O2D-CGD-O1D	-3.30	117.42	123.85
13	bB	802	CLA	CHC-C1C-C2C	-3.30	117.56	126.95
13	aA	826	CLA	C4A-NA-C1A	-3.30	105.17	106.68
13	aA	806	CLA	C1C-C2C-C3C	-3.30	103.51	106.98
13	aA	839	CLA	C4B-C3B-C2B	-3.30	103.20	107.30
13	aA	830	CLA	CMB-C2B-C1B	3.30	130.44	125.42
13	bA	816	CLA	CAC-C3C-C4C	3.30	129.08	124.79
13	cA	810	CLA	C3B-C4B-NB	3.30	113.47	110.53
13	aA	823	CLA	CHD-C1D-ND	-3.30	120.16	124.80
13	dA	825	CLA	C3B-C4B-NB	3.30	113.47	110.53
13	dB	807	CLA	O2D-CGD-O1D	-3.30	117.43	123.85
13	aA	804	CLA	C3C-C4C-NC	3.30	114.65	110.43
14	bA	845	PQN	C14-C13-C15	3.30	120.95	115.23
13	dB	821	CLA	C1C-C2C-C3C	-3.30	103.51	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	830	CLA	O2A-CGA-CBA	3.30	121.89	111.83
13	aA	843	CLA	C4B-C3B-C2B	-3.30	103.20	107.30
13	bA	804	CLA	C4B-C3B-C2B	-3.30	103.20	107.30
13	dA	830	CLA	O2A-CGA-CBA	3.30	121.88	111.83
13	aA	843	CLA	C3C-C4C-NC	3.29	114.65	110.43
13	cL	204	CLA	C3C-C4C-NC	3.29	114.65	110.43
13	bA	816	CLA	C4C-C3C-C2C	-3.29	102.10	106.89
13	cA	830	CLA	CMB-C2B-C1B	3.29	130.44	125.42
13	cA	832	CLA	C1C-C2C-C3C	-3.29	103.52	106.98
13	dF	204	CLA	C3C-C4C-NC	3.29	114.65	110.43
13	dB	807	CLA	CAA-C2A-C3A	-3.29	104.10	113.00
13	aB	828	CLA	CHC-C1C-C2C	-3.29	117.59	126.95
13	aA	840	CLA	CAA-C2A-C3A	-3.29	104.10	113.00
15	cA	847	BCR	C24-C23-C22	-3.29	121.36	126.23
13	aB	817	CLA	C3B-C4B-NB	3.29	113.47	110.53
13	aB	828	CLA	C3C-C4C-NC	3.29	114.65	110.43
13	cB	805	CLA	C3B-C4B-NB	3.29	113.47	110.53
13	dB	819	CLA	C4B-C3B-C2B	-3.29	103.21	107.30
13	cA	840	CLA	CAA-C2A-C3A	-3.29	104.11	113.00
13	bA	817	CLA	C4B-C3B-C2B	-3.29	103.21	107.30
13	dB	816	CLA	CAC-C3C-C4C	3.29	129.07	124.79
13	dB	813	CLA	CMC-C2C-C1C	3.29	130.17	125.03
13	bB	816	CLA	CAC-C3C-C4C	3.29	129.07	124.79
13	bA	837	CLA	C3C-C4C-NC	3.29	114.64	110.43
13	bB	823	CLA	C4C-C3C-C2C	-3.29	102.11	106.89
13	cA	811	CLA	C3C-C4C-NC	3.29	114.64	110.43
13	bA	816	CLA	CHC-C1C-C2C	-3.29	117.61	126.95
13	bA	844	CLA	C1C-C2C-C3C	-3.28	103.53	106.98
13	dA	844	CLA	C1C-C2C-C3C	-3.28	103.53	106.98
13	aB	817	CLA	C3C-C4C-NC	3.28	114.64	110.43
13	dA	822	CLA	CHC-C1C-C2C	-3.28	117.62	126.95
13	bA	825	CLA	C3B-C4B-NB	3.28	113.46	110.53
13	aB	823	CLA	C4B-C3B-C2B	-3.28	103.22	107.30
13	aB	834	CLA	CMC-C2C-C3C	3.28	135.03	126.15
13	cA	806	CLA	C1C-C2C-C3C	-3.28	103.53	106.98
13	cA	843	CLA	C4B-C3B-C2B	-3.28	103.22	107.30
13	aB	806	CLA	C3C-C4C-NC	3.28	114.63	110.43
13	cB	806	CLA	C3C-C4C-NC	3.28	114.63	110.43
13	cB	828	CLA	C3C-C4C-NC	3.28	114.63	110.43
13	bA	829	CLA	O2A-CGA-CBA	3.28	121.84	111.83
13	cB	817	CLA	C3C-C4C-NC	3.28	114.63	110.43
15	bJ	103	BCR	C3-C4-C5	-3.28	108.21	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	816	CLA	CHC-C1C-C2C	-3.28	117.63	126.95
13	bA	822	CLA	C3C-C4C-NC	3.28	114.63	110.43
13	bA	822	CLA	CHC-C1C-C2C	-3.28	117.63	126.95
13	dA	820	CLA	CHD-C1D-ND	-3.28	120.19	124.80
13	bB	819	CLA	C4B-C3B-C2B	-3.28	103.22	107.30
13	aB	834	CLA	CMB-C2B-C1B	3.28	130.41	125.42
13	cB	834	CLA	CMB-C2B-C1B	3.28	130.41	125.42
13	bB	831	CLA	CAC-C3C-C4C	3.28	129.06	124.79
13	aB	830	CLA	C4C-C3C-C2C	-3.28	102.12	106.89
15	aA	847	BCR	C24-C23-C22	-3.28	121.39	126.23
13	dB	831	CLA	CAC-C3C-C4C	3.28	129.05	124.79
13	aB	815	CLA	C3C-C4C-NC	3.28	114.63	110.43
13	cA	843	CLA	C3C-C4C-NC	3.28	114.63	110.43
15	dJ	103	BCR	C3-C4-C5	-3.28	108.21	114.06
13	bB	807	CLA	C1-C2-C3	-3.28	120.83	126.20
13	dA	804	CLA	C4B-C3B-C2B	-3.28	103.23	107.30
13	cB	821	CLA	CAA-C2A-C3A	-3.27	104.15	113.00
13	dB	807	CLA	C1-C2-C3	-3.27	120.83	126.20
13	bB	822	CLA	CAC-C3C-C4C	3.27	129.05	124.79
13	cB	815	CLA	C3C-C4C-NC	3.27	114.62	110.43
13	cB	834	CLA	CMC-C2C-C3C	3.27	135.00	126.15
13	cA	832	CLA	CMB-C2B-C1B	3.27	130.40	125.42
13	cA	810	CLA	CHC-C1C-C2C	-3.27	117.65	126.95
13	dA	829	CLA	O2A-CGA-CBA	3.27	121.81	111.83
13	cB	819	CLA	C3B-C4B-NB	3.27	113.45	110.53
13	aB	834	CLA	O2A-CGA-CBA	3.27	121.81	111.83
13	aF	201	CLA	C1-C2-C3	-3.27	120.84	126.20
13	bB	830	CLA	CHD-C1D-ND	-3.27	120.20	124.80
13	dB	814	CLA	C3C-C4C-NC	3.27	114.62	110.43
13	bB	813	CLA	CMC-C2C-C1C	3.27	130.15	125.03
13	bA	841	CLA	CHD-C4C-NC	3.27	129.30	124.23
13	aB	821	CLA	CAA-C2A-C3A	-3.27	104.16	113.00
13	aL	204	CLA	C3C-C4C-NC	3.27	114.62	110.43
13	bB	816	CLA	C3C-C4C-NC	3.27	114.62	110.43
13	bB	814	CLA	C3C-C4C-NC	3.27	114.62	110.43
13	dA	839	CLA	C3C-C4C-NC	3.27	114.62	110.43
14	bB	833	PQN	C14-C13-C15	3.27	120.90	115.23
13	aB	827	CLA	C4C-C3C-C2C	-3.27	102.14	106.89
13	cA	807	CLA	C4B-C3B-C2B	-3.27	103.24	107.30
13	bB	810	CLA	C4-C3-C5	3.27	120.90	115.23
13	cL	204	CLA	CHD-C4C-NC	3.27	129.30	124.23
13	cA	813	CLA	CAC-C3C-C4C	3.27	129.04	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	806	CLA	C4B-C3B-C2B	-3.27	103.24	107.30
13	aA	813	CLA	CAC-C3C-C4C	3.27	129.04	124.79
14	dB	833	PQN	C14-C13-C15	3.27	120.90	115.23
13	dB	816	CLA	C3C-C4C-NC	3.27	114.61	110.43
13	cB	823	CLA	C4B-C3B-C2B	-3.26	103.24	107.30
13	cB	818	CLA	C3C-C4C-NC	3.26	114.61	110.43
13	dA	822	CLA	C3C-C4C-NC	3.26	114.61	110.43
13	dA	831	CLA	CHC-C1C-C2C	-3.26	117.67	126.95
13	cB	830	CLA	C4C-C3C-C2C	-3.26	102.14	106.89
13	aA	812	CLA	CAC-C3C-C4C	3.26	129.04	124.79
13	aA	810	CLA	CHC-C1C-C2C	-3.26	117.68	126.95
13	dB	830	CLA	CHD-C1D-ND	-3.26	120.21	124.80
13	aL	204	CLA	CHD-C4C-NC	3.26	129.29	124.23
13	bB	802	CLA	CMA-C3A-C2A	-3.26	101.37	113.98
13	dA	841	CLA	CHD-C4C-NC	3.26	129.29	124.23
13	dA	815	CLA	C3C-C4C-NC	3.26	114.61	110.43
13	cA	842	CLA	CAC-C3C-C4C	3.26	129.03	124.79
13	bB	811	CLA	C1C-C2C-C3C	-3.26	103.55	106.98
13	bA	831	CLA	CHC-C1C-C2C	-3.26	117.69	126.95
13	cB	834	CLA	O2A-CGA-CBA	3.26	121.77	111.83
15	dL	204	BCR	C3-C4-C5	-3.26	108.25	114.06
13	dB	810	CLA	C4-C3-C5	3.26	120.88	115.23
13	cB	827	CLA	C4C-C3C-C2C	-3.26	102.15	106.89
13	dA	841	CLA	C3C-C4C-NC	3.26	114.60	110.43
13	dB	805	CLA	CHD-C4C-NC	3.26	129.28	124.23
13	cA	804	CLA	CHC-C1C-C2C	-3.26	117.70	126.95
13	bA	843	CLA	CMB-C2B-C1B	3.25	130.38	125.42
13	dA	803	CLA	CHD-C1D-ND	-3.25	120.22	124.80
13	dA	835	CLA	CAA-C2A-C3A	-3.25	104.20	113.00
13	bA	815	CLA	C3C-C4C-NC	3.25	114.60	110.43
15	aK	205	BCR	C3-C4-C5	-3.25	108.25	114.06
13	dB	806	CLA	C3C-C4C-NC	3.25	114.60	110.43
13	aB	823	CLA	CMB-C2B-C1B	3.25	130.37	125.42
13	dB	802	CLA	CMA-C3A-C2A	-3.25	101.40	113.98
13	aA	820	CLA	C3B-C4B-NB	3.25	113.43	110.53
13	aA	804	CLA	CHC-C1C-C2C	-3.25	117.70	126.95
13	dB	811	CLA	C1C-C2C-C3C	-3.25	103.56	106.98
13	bB	828	CLA	C4C-C3C-C2C	-3.25	102.16	106.89
13	dA	843	CLA	CMB-C2B-C1B	3.25	130.37	125.42
13	aA	832	CLA	C1C-C2C-C3C	-3.25	103.56	106.98
13	aA	802	CLA	C4B-C3B-C2B	-3.25	103.26	107.30
13	bA	839	CLA	C3C-C4C-NC	3.25	114.59	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	823	CLA	CMB-C2B-C1B	3.25	130.37	125.42
13	aB	818	CLA	C3C-C4C-NC	3.25	114.59	110.43
13	cL	204	CLA	CMB-C2B-C1B	3.25	130.37	125.42
13	cA	821	CLA	CHD-C4C-NC	3.25	129.27	124.23
13	cA	812	CLA	CAC-C3C-C4C	3.25	129.02	124.79
13	cL	203	CLA	C3B-C4B-NB	3.25	113.43	110.53
13	cF	201	CLA	C1-C2-C3	-3.25	120.88	126.20
13	cB	806	CLA	CHB-C4A-NA	3.25	129.09	124.40
13	dA	806	CLA	C4B-C3B-C2B	-3.25	103.26	107.30
13	bA	802	CLA	CAC-C3C-C4C	3.25	129.02	124.79
13	bA	843	CLA	C3B-C4B-NB	3.25	113.43	110.53
13	cA	807	CLA	C1-C2-C3	-3.25	120.88	126.20
13	dA	830	CLA	O2D-CGD-O1D	-3.25	117.53	123.85
13	aA	810	CLA	C3B-C4B-NB	3.25	113.43	110.53
13	dA	802	CLA	CHA-C1A-NA	-3.25	119.04	126.39
13	bA	835	CLA	CAA-C2A-C3A	-3.25	104.23	113.00
13	bA	830	CLA	O2D-CGD-O1D	-3.25	117.53	123.85
13	aB	827	CLA	C3C-C4C-NC	3.25	114.59	110.43
13	aB	806	CLA	CHB-C4A-NA	3.25	129.08	124.40
13	dA	823	CLA	C3C-C4C-NC	3.24	114.59	110.43
13	bB	805	CLA	CHD-C4C-NC	3.24	129.26	124.23
13	dA	813	CLA	C3C-C4C-NC	3.24	114.59	110.43
13	bA	802	CLA	CHA-C1A-NA	-3.24	119.05	126.39
15	dB	834	BCR	C27-C26-C25	3.24	127.09	122.70
13	bA	823	CLA	C3C-C4C-NC	3.24	114.58	110.43
13	bA	813	CLA	CHD-C1D-ND	-3.24	120.24	124.80
13	cA	805	CLA	CHD-C4C-NC	3.24	129.26	124.23
13	bA	813	CLA	C3C-C4C-NC	3.24	114.58	110.43
13	dA	813	CLA	CHD-C1D-ND	-3.24	120.24	124.80
13	cA	842	CLA	C4C-C3C-C2C	-3.24	102.17	106.89
13	aA	805	CLA	CHD-C4C-NC	3.24	129.25	124.23
13	bA	803	CLA	CHD-C1D-ND	-3.24	120.24	124.80
13	aA	807	CLA	C1-C2-C3	-3.24	120.89	126.20
13	aA	842	CLA	C4C-C3C-C2C	-3.24	102.18	106.89
13	dA	818	CLA	CHC-C1C-C2C	-3.24	117.74	126.95
13	cA	820	CLA	C3B-C4B-NB	3.24	113.42	110.53
13	aA	832	CLA	CMB-C2B-C1B	3.24	130.35	125.42
13	cB	810	CLA	CMB-C2B-C1B	3.24	130.35	125.42
13	aA	837	CLA	C4B-C3B-C2B	-3.24	103.28	107.30
13	dA	842	CLA	C3B-C4B-NB	3.24	113.42	110.53
13	aB	801	CLA	C4-C3-C5	3.24	120.84	115.23
13	aA	824	CLA	C4-C3-C5	3.24	119.94	116.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	810	CLA	CMB-C2B-C1B	3.24	130.34	125.42
13	cB	801	CLA	C4-C3-C5	3.23	120.84	115.23
13	bA	818	CLA	CHC-C1C-C2C	-3.23	117.76	126.95
13	aA	840	CLA	CBC-CAC-C3C	-3.23	103.66	112.42
13	bA	825	CLA	O2A-CGA-CBA	3.23	121.69	111.83
13	bB	804	CLA	CBA-CAA-C2A	3.23	123.41	113.79
13	aL	203	CLA	C3B-C4B-NB	3.23	113.42	110.53
13	dB	820	CLA	CAA-C2A-C3A	-3.23	104.27	113.00
13	dB	811	CLA	C3C-C4C-NC	3.23	114.57	110.43
13	dB	804	CLA	CBA-CAA-C2A	3.23	123.41	113.79
13	aB	805	CLA	C3B-C4B-NB	3.23	113.41	110.53
13	dA	843	CLA	C3B-C4B-NB	3.23	113.41	110.53
13	dB	828	CLA	C4C-C3C-C2C	-3.23	102.19	106.89
13	aL	204	CLA	CMB-C2B-C1B	3.23	130.34	125.42
13	aA	802	CLA	CHC-C1C-C2C	-3.23	117.77	126.95
13	cA	802	CLA	CHC-C1C-C2C	-3.23	117.77	126.95
13	cB	827	CLA	CHC-C1C-C2C	-3.23	117.77	126.95
13	aA	842	CLA	C4-C3-C5	3.23	120.83	115.23
13	cA	824	CLA	C4-C3-C5	3.23	119.93	116.13
13	aA	826	CLA	C4C-C3C-C2C	-3.23	102.19	106.89
13	cA	840	CLA	CBC-CAC-C3C	-3.23	103.67	112.42
13	cB	834	CLA	C4C-C3C-C2C	-3.23	102.19	106.89
13	dB	824	CLA	C3B-C4B-NB	3.23	113.41	110.53
13	aB	827	CLA	O2A-CGA-CBA	3.23	121.68	111.83
13	aA	842	CLA	CAC-C3C-C4C	3.23	128.99	124.79
13	cA	837	CLA	C4B-C3B-C2B	-3.23	103.29	107.30
13	aA	821	CLA	CHD-C4C-NC	3.23	129.24	124.23
13	aB	827	CLA	CHC-C1C-C2C	-3.23	117.78	126.95
13	aK	204	CLA	C3C-C4C-NC	3.23	114.56	110.43
13	bB	806	CLA	C3C-C4C-NC	3.23	114.56	110.43
13	dB	831	CLA	C3B-C4B-NB	3.23	113.41	110.53
13	bA	828	CLA	CAA-C2A-C3A	-3.23	104.28	113.00
13	dA	811	CLA	CMB-C2B-C1B	3.23	130.33	125.42
13	dA	824	CLA	C4-C3-C5	3.22	119.92	116.13
13	dA	825	CLA	O2A-CGA-CBA	3.22	121.67	111.83
13	bA	811	CLA	CMB-C2B-C1B	3.22	130.33	125.42
13	bA	841	CLA	C3C-C4C-NC	3.22	114.56	110.43
13	cB	805	CLA	CHC-C1C-C2C	-3.22	117.79	126.95
13	bB	831	CLA	C3B-C4B-NB	3.22	113.41	110.53
13	dA	810	CLA	C1C-C2C-C3C	-3.22	103.59	106.98
13	bA	827	CLA	CHD-C4C-NC	3.22	129.23	124.23
13	aA	815	CLA	C3C-C4C-NC	3.22	114.56	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	822	CLA	C3C-C4C-NC	3.22	114.56	110.43
13	aA	807	CLA	C4B-C3B-C2B	-3.22	103.30	107.30
13	cB	827	CLA	O2A-CGA-CBA	3.22	121.65	111.83
13	aA	836	CLA	CHC-C1C-C2C	-3.22	117.80	126.95
13	aB	805	CLA	CHC-C1C-C2C	-3.22	117.80	126.95
13	bB	820	CLA	CAA-C2A-C3A	-3.22	104.30	113.00
13	dA	839	CLA	C3B-C4B-NB	3.22	113.40	110.53
13	cB	827	CLA	C3C-C4C-NC	3.22	114.55	110.43
13	cA	802	CLA	C4B-C3B-C2B	-3.22	103.30	107.30
13	cF	204	CLA	CHC-C1C-C2C	-3.22	117.80	126.95
13	dB	808	CLA	CHC-C1C-C2C	-3.22	117.80	126.95
13	cA	842	CLA	C4-C3-C5	3.22	120.81	115.23
15	bB	834	BCR	C27-C26-C25	3.22	127.05	122.70
13	dA	827	CLA	CHD-C4C-NC	3.22	129.22	124.23
13	dA	828	CLA	CAA-C2A-C3A	-3.22	104.30	113.00
13	dB	819	CLA	CHC-C1C-C2C	-3.22	117.81	126.95
13	bB	822	CLA	C3C-C4C-NC	3.22	114.55	110.43
13	cA	815	CLA	C3C-C4C-NC	3.22	114.55	110.43
13	bA	839	CLA	C3B-C4B-NB	3.21	113.40	110.53
13	bA	842	CLA	C3B-C4B-NB	3.21	113.40	110.53
13	bA	807	CLA	CHD-C4C-NC	3.21	129.22	124.23
13	aB	826	CLA	C4C-C3C-C2C	-3.21	102.21	106.89
13	bA	810	CLA	C1C-C2C-C3C	-3.21	103.60	106.98
13	cB	817	CLA	C3B-C4B-NB	3.21	113.40	110.53
13	cA	836	CLA	CHC-C1C-C2C	-3.21	117.81	126.95
13	bA	826	CLA	CMB-C2B-C1B	3.21	130.31	125.42
13	cA	826	CLA	C4C-C3C-C2C	-3.21	102.21	106.89
13	aB	834	CLA	C4C-C3C-C2C	-3.21	102.22	106.89
13	cB	801	CLA	C4A-NA-C1A	-3.21	105.21	106.68
13	dL	202	CLA	CHD-C4C-NC	3.21	129.21	124.23
13	cB	826	CLA	C4C-C3C-C2C	-3.21	102.22	106.89
13	dA	807	CLA	CHD-C4C-NC	3.21	129.21	124.23
13	bB	808	CLA	CHC-C1C-C2C	-3.21	117.83	126.95
13	aA	827	CLA	CHD-C4C-NC	3.21	129.21	124.23
15	dJ	103	BCR	C29-C30-C25	3.21	115.10	110.44
13	bA	803	CLA	C4C-C3C-C2C	-3.21	102.22	106.89
13	dA	818	CLA	C1-O2A-CGA	3.21	124.42	116.65
13	cA	834	CLA	CAA-C2A-C3A	-3.21	104.33	113.00
13	dL	202	CLA	O2D-CGD-O1D	-3.21	117.60	123.85
13	dB	802	CLA	CHD-C1D-ND	-3.21	120.29	124.80
13	aB	822	CLA	CAA-C2A-C3A	-3.21	104.33	113.00
13	cB	822	CLA	CAA-C2A-C3A	-3.21	104.33	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	810	CLA	CAA-C2A-C3A	-3.21	104.33	113.00
13	bL	202	CLA	CHD-C4C-NC	3.21	129.20	124.23
13	dA	802	CLA	CAC-C3C-C4C	3.21	128.96	124.79
13	dA	811	CLA	C3C-C4C-NC	3.21	114.54	110.43
13	aF	204	CLA	CHC-C1C-C2C	-3.21	117.84	126.95
13	bB	824	CLA	C3B-C4B-NB	3.20	113.39	110.53
13	dB	812	CLA	C4C-C3C-C2C	-3.20	102.23	106.89
13	bA	842	CLA	C4C-C3C-C2C	-3.20	102.23	106.89
13	cA	802	CLA	CAC-C3C-C4C	3.20	128.96	124.79
13	aA	831	CLA	CHC-C1C-C2C	-3.20	117.84	126.95
13	aA	803	CLA	C3C-C4C-NC	3.20	114.53	110.43
13	aA	834	CLA	CAA-C2A-C3A	-3.20	104.34	113.00
13	dA	807	CLA	CHC-C1C-C2C	-3.20	117.85	126.95
13	cA	827	CLA	CHD-C4C-NC	3.20	129.20	124.23
13	dB	813	CLA	O2D-CGD-O1D	-3.20	117.61	123.85
13	dA	810	CLA	CAA-C2A-C3A	-3.20	104.35	113.00
13	dA	803	CLA	C4C-C3C-C2C	-3.20	102.23	106.89
13	bA	822	CLA	CMB-C2B-C1B	3.20	130.29	125.42
13	bB	804	CLA	C3C-C4C-NC	3.20	114.53	110.43
13	aA	802	CLA	CAC-C3C-C4C	3.20	128.96	124.79
13	bB	819	CLA	CHC-C1C-C2C	-3.20	117.85	126.95
13	bA	814	CLA	CHD-C4C-NC	3.20	129.19	124.23
13	aA	826	CLA	C1C-C2C-C3C	-3.20	103.61	106.98
13	aB	814	CLA	C4C-C3C-C2C	-3.20	102.23	106.89
13	bB	813	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
13	bA	807	CLA	CHC-C1C-C2C	-3.20	117.86	126.95
13	bA	824	CLA	C4-C3-C5	3.20	119.89	116.13
15	aA	847	BCR	C15-C16-C17	-3.19	116.98	123.52
13	cB	806	CLA	CHD-C4C-NC	3.19	129.18	124.23
13	aB	819	CLA	C3B-C4B-NB	3.19	113.38	110.53
13	cA	826	CLA	C4A-NA-C1A	-3.19	105.22	106.68
13	cB	814	CLA	C4C-C3C-C2C	-3.19	102.24	106.89
15	cA	847	BCR	C15-C16-C17	-3.19	116.98	123.52
13	cK	204	CLA	C3C-C4C-NC	3.19	114.52	110.43
13	dA	813	CLA	C4B-C3B-C2B	-3.19	103.33	107.30
15	aJ	104	BCR	C24-C23-C22	-3.19	121.51	126.23
18	bB	837	LMG	O1-C1-C2	-3.19	103.42	108.27
13	bB	811	CLA	C3C-C4C-NC	3.19	114.52	110.43
13	bL	202	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
13	dA	813	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
13	dA	826	CLA	CMB-C2B-C1B	3.19	130.28	125.42
13	cA	831	CLA	CHC-C1C-C2C	-3.19	117.88	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	822	CLA	CAA-C2A-C3A	-3.19	104.38	113.00
13	dA	814	CLA	CHD-C4C-NC	3.19	129.18	124.23
13	dA	831	CLA	C4C-C3C-C2C	-3.19	102.25	106.89
13	bA	831	CLA	C4C-C3C-C2C	-3.19	102.25	106.89
13	bA	818	CLA	C1-O2A-CGA	3.19	124.37	116.65
13	bA	833	CLA	C3C-C4C-NC	3.19	114.52	110.43
13	aA	836	CLA	C4B-C3B-C2B	-3.19	103.34	107.30
13	cA	841	CLA	C3C-C4C-NC	3.19	114.51	110.43
13	cA	819	CLA	O2A-CGA-CBA	3.19	121.56	111.83
13	dB	804	CLA	C3C-C4C-NC	3.19	114.51	110.43
13	dB	804	CLA	C3B-C4B-NB	3.19	113.38	110.53
13	aA	839	CLA	O2A-CGA-CBA	3.19	121.55	111.83
13	bB	825	CLA	C4C-C3C-C2C	-3.19	102.25	106.89
13	cL	202	CLA	CAC-C3C-C4C	3.19	128.94	124.79
13	bA	802	CLA	CBC-CAC-C3C	-3.19	103.78	112.42
13	bB	829	CLA	C1-C2-C3	-3.19	120.98	126.20
15	bJ	103	BCR	C29-C30-C25	3.19	115.07	110.44
13	dA	802	CLA	CBC-CAC-C3C	-3.19	103.78	112.42
13	cB	808	CLA	CMB-C2B-C1B	3.19	130.27	125.42
13	aB	806	CLA	CHD-C4C-NC	3.19	129.17	124.23
13	bB	822	CLA	CBC-CAC-C3C	-3.18	103.79	112.42
13	aA	841	CLA	C3C-C4C-NC	3.18	114.51	110.43
13	bA	813	CLA	C4B-C3B-C2B	-3.18	103.34	107.30
13	cA	836	CLA	C4B-C3B-C2B	-3.18	103.34	107.30
13	cA	803	CLA	C3C-C4C-NC	3.18	114.51	110.43
13	cA	813	CLA	CHC-C1C-C2C	-3.18	117.90	126.95
13	bB	812	CLA	C4C-C3C-C2C	-3.18	102.26	106.89
13	dB	829	CLA	C4C-C3C-C2C	-3.18	102.26	106.89
13	bB	821	CLA	O2A-CGA-CBA	3.18	121.54	111.83
13	bA	829	CLA	C1C-C2C-C3C	-3.18	103.63	106.98
13	bA	817	CLA	CAA-C2A-C3A	-3.18	104.40	113.00
13	bB	815	CLA	CMB-C2B-C1B	3.18	130.26	125.42
13	dA	822	CLA	CMB-C2B-C1B	3.18	130.26	125.42
13	aB	813	CLA	C3C-C4C-NC	3.18	114.51	110.43
13	aA	813	CLA	CHC-C1C-C2C	-3.18	117.91	126.95
13	aA	838	CLA	CHC-C1C-C2C	-3.18	117.91	126.95
13	cA	838	CLA	CHC-C1C-C2C	-3.18	117.91	126.95
13	dB	821	CLA	O2A-CGA-CBA	3.18	121.53	111.83
13	cA	822	CLA	CAA-C2A-C3A	-3.18	104.41	113.00
13	cB	834	CLA	CAA-C2A-C3A	-3.18	104.41	113.00
13	cF	201	CLA	C3B-C4B-NB	3.18	113.37	110.53
13	bB	829	CLA	C4C-C3C-C2C	-3.18	102.27	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	819	CLA	CHC-C1C-C2C	-3.18	117.92	126.95
13	bA	811	CLA	C3C-C4C-NC	3.18	114.50	110.43
13	bB	804	CLA	C4-C3-C5	3.18	120.74	115.23
13	aA	819	CLA	O2A-CGA-CBA	3.18	121.52	111.83
13	cA	839	CLA	O2A-CGA-CBA	3.18	121.52	111.83
13	dB	822	CLA	CBC-CAC-C3C	-3.18	103.81	112.42
13	cJ	101	CLA	C3C-C4C-NC	3.18	114.50	110.43
13	cF	201	CLA	CHC-C1C-C2C	-3.18	117.92	126.95
13	bA	820	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
13	cA	807	CLA	C3B-C4B-NB	3.18	113.37	110.53
13	bA	839	CLA	CAA-C2A-C3A	-3.18	104.42	113.00
13	dA	839	CLA	CAA-C2A-C3A	-3.18	104.42	113.00
13	aB	829	CLA	C4B-C3B-C2B	-3.18	103.35	107.30
13	cB	829	CLA	C4B-C3B-C2B	-3.18	103.35	107.30
13	cB	833	CLA	C4B-C3B-C2B	-3.18	103.35	107.30
13	bA	813	CLA	O2D-CGD-O1D	-3.18	117.67	123.85
13	aL	202	CLA	CAC-C3C-C4C	3.17	128.92	124.79
13	cA	822	CLA	CAC-C3C-C4C	3.17	128.92	124.79
13	aA	809	CLA	CHD-C4C-NC	3.17	129.15	124.23
13	cA	817	CLA	C3B-C4B-NB	3.17	113.36	110.53
13	dA	842	CLA	C4C-C3C-C2C	-3.17	102.27	106.89
13	aB	834	CLA	CAA-C2A-C3A	-3.17	104.42	113.00
13	aA	819	CLA	C1C-C2C-C3C	-3.17	103.64	106.98
13	aB	823	CLA	C1C-C2C-C3C	-3.17	103.64	106.98
13	cA	826	CLA	C1C-C2C-C3C	-3.17	103.64	106.98
13	dA	819	CLA	C1C-C2C-C3C	-3.17	103.64	106.98
13	aA	817	CLA	C3B-C4B-NB	3.17	113.36	110.53
13	dA	840	CLA	O2A-CGA-CBA	3.17	121.51	111.83
13	aF	201	CLA	CHC-C1C-C2C	-3.17	117.93	126.95
13	dB	809	CLA	C4C-C3C-C2C	-3.17	102.27	106.89
15	aA	848	BCR	C15-C14-C13	-3.17	122.83	127.28
13	bA	803	CLA	O2D-CGD-O1D	-3.17	117.67	123.85
13	bA	804	CLA	CAA-C2A-C3A	-3.17	104.43	113.00
13	aB	833	CLA	C4B-C3B-C2B	-3.17	103.36	107.30
13	dA	829	CLA	C1C-C2C-C3C	-3.17	103.64	106.98
13	dB	825	CLA	C4C-C3C-C2C	-3.17	102.28	106.89
13	bB	802	CLA	CHD-C1D-ND	-3.17	120.34	124.80
13	bB	809	CLA	C4C-C3C-C2C	-3.17	102.28	106.89
13	cA	828	CLA	CAA-C2A-C3A	-3.17	104.43	113.00
13	dA	804	CLA	CAA-C2A-C3A	-3.17	104.43	113.00
13	dA	817	CLA	CAA-C2A-C3A	-3.17	104.43	113.00
15	cJ	104	BCR	C24-C23-C22	-3.17	121.55	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	840	CLA	O2A-CGA-CBA	3.17	121.50	111.83
13	aB	808	CLA	CMB-C2B-C1B	3.17	130.25	125.42
13	dA	828	CLA	C4C-C3C-C2C	-3.17	102.28	106.89
13	bB	805	CLA	C3C-C4C-NC	3.17	114.49	110.43
13	dB	805	CLA	C3C-C4C-NC	3.17	114.49	110.43
13	cB	823	CLA	C1C-C2C-C3C	-3.17	103.65	106.98
13	dA	833	CLA	C3C-C4C-NC	3.17	114.49	110.43
13	cA	843	CLA	CHD-C4C-NC	3.17	129.14	124.23
13	aA	828	CLA	CAA-C2A-C3A	-3.17	104.44	113.00
13	dA	820	CLA	O2D-CGD-O1D	-3.17	117.68	123.85
13	bB	831	CLA	O2A-CGA-CBA	3.17	121.49	111.83
13	aB	819	CLA	CHC-C1C-C2C	-3.17	117.95	126.95
13	aA	834	CLA	C1-C2-C3	-3.17	121.01	126.20
13	dL	202	CLA	C4-C3-C5	3.17	120.72	115.23
18	dB	837	LMG	O1-C1-C2	-3.17	103.46	108.27
13	cA	834	CLA	C1-C2-C3	-3.17	121.01	126.20
13	bB	804	CLA	C3B-C4B-NB	3.17	113.36	110.53
13	cA	809	CLA	CHD-C4C-NC	3.17	129.14	124.23
15	cA	848	BCR	C15-C14-C13	-3.16	122.84	127.28
13	bL	202	CLA	C4-C3-C5	3.16	120.72	115.23
13	dA	809	CLA	O2A-CGA-CBA	3.16	121.48	111.83
13	cA	819	CLA	C1C-C2C-C3C	-3.16	103.65	106.98
13	aB	812	CLA	C6-C5-C3	-3.16	105.77	113.47
13	bB	814	CLA	CHC-C1C-C2C	-3.16	117.96	126.95
13	cB	813	CLA	C3C-C4C-NC	3.16	114.48	110.43
13	dA	815	CLA	CAA-C2A-C3A	-3.16	104.46	113.00
13	dB	829	CLA	C1-C2-C3	-3.16	121.02	126.20
13	cA	839	CLA	C3B-C4B-NB	3.16	113.35	110.53
13	dA	803	CLA	O2D-CGD-O1D	-3.16	117.70	123.85
13	bA	832	CLA	C4C-C3C-C2C	-3.16	102.29	106.89
13	bF	204	CLA	CHC-C1C-C2C	-3.16	117.97	126.95
13	cA	821	CLA	C4B-C3B-C2B	-3.16	103.37	107.30
13	cA	819	CLA	C4C-C3C-C2C	-3.16	102.29	106.89
13	cB	822	CLA	C4C-C3C-C2C	-3.16	102.29	106.89
13	aF	201	CLA	C3B-C4B-NB	3.16	113.35	110.53
13	cB	803	CLA	C4C-C3C-C2C	-3.16	102.29	106.89
13	dB	815	CLA	CMB-C2B-C1B	3.16	130.23	125.42
13	dB	818	CLA	CHD-C4C-NC	3.16	129.13	124.23
13	bA	844	CLA	CHD-C4C-NC	3.16	129.13	124.23
13	aA	822	CLA	CAC-C3C-C4C	3.16	128.90	124.79
13	cB	828	CLA	CAC-C3C-C4C	3.16	128.90	124.79
13	aA	837	CLA	C4C-C3C-C2C	-3.16	102.30	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dF	204	CLA	CHC-C1C-C2C	-3.16	117.98	126.95
13	cB	812	CLA	C6-C5-C3	-3.16	105.78	113.47
13	aJ	101	CLA	C3C-C4C-NC	3.16	114.47	110.43
15	aJ	103	BCR	C2-C1-C6	3.16	115.02	110.44
13	bA	809	CLA	O2A-CGA-CBA	3.16	121.46	111.83
13	aA	831	CLA	C4C-C3C-C2C	-3.16	102.30	106.89
13	bA	828	CLA	C4C-C3C-C2C	-3.16	102.30	106.89
13	aB	801	CLA	C4A-NA-C1A	-3.16	105.24	106.68
13	aB	803	CLA	C4C-C3C-C2C	-3.16	102.30	106.89
13	bA	819	CLA	C1C-C2C-C3C	-3.16	103.66	106.98
13	dB	814	CLA	CHC-C1C-C2C	-3.16	117.98	126.95
15	aF	202	BCR	C24-C23-C22	-3.16	121.57	126.23
13	dB	817	CLA	C1-C2-C3	-3.15	121.03	126.20
13	aA	840	CLA	C3B-C4B-NB	3.15	113.35	110.53
13	aA	838	CLA	CAA-C2A-C3A	-3.15	104.48	113.00
13	bA	805	CLA	O2D-CGD-O1D	-3.15	117.71	123.85
13	dA	805	CLA	O2D-CGD-O1D	-3.15	117.71	123.85
13	bB	817	CLA	C1-C2-C3	-3.15	121.03	126.20
13	cA	837	CLA	C4C-C3C-C2C	-3.15	102.30	106.89
13	aA	839	CLA	C3B-C4B-NB	3.15	113.34	110.53
13	aA	821	CLA	C4B-C3B-C2B	-3.15	103.38	107.30
13	dA	844	CLA	CHD-C4C-NC	3.15	129.12	124.23
13	bA	815	CLA	CAA-C2A-C3A	-3.15	104.48	113.00
13	aB	828	CLA	CAC-C3C-C4C	3.15	128.89	124.79
13	aA	820	CLA	C4B-C3B-C2B	-3.15	103.38	107.30
13	dB	831	CLA	O2A-CGA-CBA	3.15	121.44	111.83
13	dA	820	CLA	C3C-C4C-NC	3.15	114.47	110.43
13	bA	823	CLA	CHD-C4C-NC	3.15	129.12	124.23
15	cA	849	BCR	C37-C22-C21	-3.15	117.71	122.82
13	dA	838	CLA	CMD-C2D-C3D	-3.15	120.47	127.69
13	dA	827	CLA	C3C-C4C-NC	3.15	114.46	110.43
13	aB	822	CLA	C4C-C3C-C2C	-3.15	102.31	106.89
13	bB	808	CLA	C4B-C3B-C2B	-3.15	103.39	107.30
13	bA	843	CLA	CHD-C4C-NC	3.15	129.11	124.23
13	bA	813	CLA	C3B-C4B-NB	3.15	113.34	110.53
13	bF	201	CLA	O2A-CGA-CBA	3.15	121.43	111.83
15	cJ	103	BCR	C2-C1-C6	3.15	115.01	110.44
13	bB	815	CLA	C4C-C3C-C2C	-3.15	102.31	106.89
13	bA	817	CLA	C3C-C4C-NC	3.15	114.46	110.43
13	bA	826	CLA	CAA-C2A-C3A	-3.15	104.49	113.00
13	bB	829	CLA	CHB-C4A-NA	3.15	128.94	124.40
13	dA	826	CLA	CAA-C2A-C3A	-3.15	104.50	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	832	CLA	C4C-C3C-C2C	-3.15	102.31	106.89
13	cB	804	CLA	CMD-C2D-C1D	3.15	130.27	124.73
13	cA	815	CLA	CHC-C1C-C2C	-3.15	118.01	126.95
13	dA	823	CLA	CHD-C4C-NC	3.15	129.11	124.23
13	dA	843	CLA	CHD-C4C-NC	3.15	129.11	124.23
13	dB	804	CLA	C4-C3-C5	3.15	120.69	115.23
15	aM	101	BCR	C15-C16-C17	-3.15	117.08	123.52
13	cA	838	CLA	CAA-C2A-C3A	-3.15	104.50	113.00
13	dB	815	CLA	C4C-C3C-C2C	-3.14	102.31	106.89
13	aA	843	CLA	CHD-C4C-NC	3.14	129.11	124.23
15	cF	202	BCR	C24-C23-C22	-3.14	121.58	126.23
15	aA	849	BCR	C37-C22-C21	-3.14	117.72	122.82
13	dB	825	CLA	C3B-C4B-NB	3.14	113.34	110.53
13	aB	801	CLA	C4B-C3B-C2B	-3.14	103.39	107.30
13	dB	810	CLA	C4B-C3B-C2B	-3.14	103.39	107.30
13	dA	833	CLA	CHD-C4C-NC	3.14	129.10	124.23
13	aA	812	CLA	O2A-CGA-CBA	3.14	121.41	111.83
13	aA	815	CLA	CHC-C1C-C2C	-3.14	118.02	126.95
13	cA	820	CLA	CAC-C3C-C4C	3.14	128.88	124.79
13	cB	816	CLA	C3C-C4C-NC	3.14	114.45	110.43
13	aB	831	CLA	C3B-C4B-NB	3.14	113.33	110.53
13	cB	831	CLA	C3B-C4B-NB	3.14	113.33	110.53
13	dF	201	CLA	O2A-CGA-CBA	3.14	121.41	111.83
13	dB	810	CLA	CHC-C1C-C2C	-3.14	118.02	126.95
13	aA	808	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
13	cF	201	CLA	CMB-C2B-C1B	3.14	130.20	125.42
13	bB	810	CLA	CHC-C1C-C2C	-3.14	118.03	126.95
13	aB	804	CLA	CMD-C2D-C1D	3.14	130.26	124.73
13	dA	822	CLA	CHD-C4C-NC	3.14	129.10	124.23
13	aL	204	CLA	CBC-CAC-C3C	-3.14	103.91	112.42
13	cA	812	CLA	O2A-CGA-CBA	3.14	121.41	111.83
13	cL	204	CLA	CBC-CAC-C3C	-3.14	103.91	112.42
13	bA	822	CLA	CHD-C4C-NC	3.14	129.10	124.23
13	bA	838	CLA	CMD-C2D-C3D	-3.14	120.49	127.69
13	aA	819	CLA	C4C-C3C-C2C	-3.14	102.32	106.89
13	aB	814	CLA	C1D-CHD-C4C	-3.14	119.35	126.02
13	aA	807	CLA	C3B-C4B-NB	3.14	113.33	110.53
13	cB	822	CLA	C1C-C2C-C3C	-3.14	103.68	106.98
13	bA	809	CLA	CMC-C2C-C1C	3.14	129.94	125.03
13	cB	814	CLA	C1D-CHD-C4C	-3.14	119.35	126.02
13	bA	833	CLA	CHD-C4C-NC	3.14	129.10	124.23
13	bB	825	CLA	O2D-CGD-O1D	-3.14	117.74	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	841	CLA	O2A-CGA-CBA	3.14	121.40	111.83
13	aB	813	CLA	CHC-C1C-C2C	-3.14	118.03	126.95
13	bB	818	CLA	CHD-C4C-NC	3.14	129.09	124.23
13	bA	830	CLA	CHB-C4A-NA	3.14	128.93	124.40
13	dB	808	CLA	C4B-C3B-C2B	-3.13	103.40	107.30
13	cB	832	CLA	C4C-C3C-C2C	-3.13	102.33	106.89
15	cM	101	BCR	C15-C16-C17	-3.13	117.11	123.52
13	bB	804	CLA	CHB-C4A-NA	3.13	128.92	124.40
13	bA	844	CLA	CHC-C1C-C2C	-3.13	118.04	126.95
13	dA	844	CLA	CHC-C1C-C2C	-3.13	118.04	126.95
13	bA	827	CLA	C3C-C4C-NC	3.13	114.44	110.43
13	dA	832	CLA	CHD-C1D-ND	-3.13	120.39	124.80
13	aA	806	CLA	CHD-C4C-NC	3.13	129.09	124.23
13	cA	820	CLA	C4B-C3B-C2B	-3.13	103.41	107.30
13	dB	818	CLA	C4B-C3B-C2B	-3.13	103.41	107.30
13	dA	831	CLA	C3B-C4B-NB	3.13	113.33	110.53
13	dB	810	CLA	CMB-C2B-C1B	3.13	130.19	125.42
13	bA	830	CLA	CHD-C1D-ND	-3.13	120.39	124.80
13	cA	831	CLA	C4C-C3C-C2C	-3.13	102.33	106.89
13	bB	810	CLA	CMB-C2B-C1B	3.13	130.19	125.42
13	cA	808	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
13	aA	820	CLA	CAC-C3C-C4C	3.13	128.86	124.79
13	bB	820	CLA	C1-O2A-CGA	3.13	124.23	116.65
13	dB	820	CLA	C1-O2A-CGA	3.13	124.23	116.65
13	dB	813	CLA	C1C-C2C-C3C	-3.13	103.69	106.98
13	dA	836	CLA	CAA-C2A-C3A	-3.13	104.54	113.00
13	cB	813	CLA	CHC-C1C-C2C	-3.13	118.05	126.95
13	dA	841	CLA	O2A-CGA-CBA	3.13	121.38	111.83
13	dA	815	CLA	C4A-NA-C1A	-3.13	105.25	106.68
13	aB	822	CLA	C1C-C2C-C3C	-3.13	103.69	106.98
13	dA	833	CLA	C1C-C2C-C3C	-3.13	103.69	106.98
13	aB	832	CLA	C4C-C3C-C2C	-3.13	102.34	106.89
15	cL	201	BCR	C24-C23-C22	-3.13	121.61	126.23
13	cA	840	CLA	C3B-C4B-NB	3.13	113.32	110.53
13	cB	822	CLA	CHB-C4A-NA	3.13	128.91	124.40
13	dB	805	CLA	C4A-NA-C1A	-3.13	105.25	106.68
15	dF	203	BCR	C24-C23-C22	-3.13	121.61	126.23
13	cB	801	CLA	C4B-C3B-C2B	-3.13	103.41	107.30
13	aF	204	CLA	CAC-C3C-C4C	3.13	128.86	124.79
13	bA	807	CLA	C4C-C3C-C2C	-3.13	102.34	106.89
12	bA	801	CL0	C1-C2-C3	-3.13	121.08	126.20
13	aK	204	CLA	C4C-C3C-C2C	-3.13	102.34	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	822	CLA	CHC-C1C-C2C	-3.13	118.07	126.95
13	bB	810	CLA	C4B-C3B-C2B	-3.13	103.42	107.30
13	dA	830	CLA	CHB-C4A-NA	3.12	128.91	124.40
13	bA	827	CLA	O2A-CGA-CBA	3.12	121.36	111.83
13	bA	820	CLA	C3C-C4C-NC	3.12	114.43	110.43
13	dA	817	CLA	C3C-C4C-NC	3.12	114.43	110.43
13	dA	827	CLA	O2A-CGA-CBA	3.12	121.36	111.83
13	dA	807	CLA	C4C-C3C-C2C	-3.12	102.34	106.89
13	aB	825	CLA	C4C-C3C-C2C	-3.12	102.34	106.89
13	cA	809	CLA	C3B-C4B-NB	3.12	113.32	110.53
13	dB	825	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
13	cF	204	CLA	CAC-C3C-C4C	3.12	128.85	124.79
13	cB	825	CLA	C4C-C3C-C2C	-3.12	102.35	106.89
13	dB	822	CLA	CHC-C1C-C2C	-3.12	118.07	126.95
13	cA	805	CLA	CAA-C2A-C3A	-3.12	104.56	113.00
13	aA	809	CLA	C3B-C4B-NB	3.12	113.32	110.53
13	dA	817	CLA	CHD-C4C-NC	3.12	129.07	124.23
12	dA	801	CL0	C1-C2-C3	-3.12	121.08	126.20
13	bB	831	CLA	CHC-C1C-C2C	-3.12	118.08	126.95
13	bA	836	CLA	CAA-C2A-C3A	-3.12	104.56	113.00
13	dB	831	CLA	CHC-C1C-C2C	-3.12	118.08	126.95
13	bA	832	CLA	CHD-C1D-ND	-3.12	120.41	124.80
13	bB	822	CLA	CHC-C1C-C2C	-3.12	118.08	126.95
13	dB	808	CLA	C1-C2-C3	-3.12	121.08	126.20
13	bA	831	CLA	C3B-C4B-NB	3.12	113.31	110.53
13	aK	203	CLA	CHC-C1C-C2C	-3.12	118.08	126.95
13	dA	836	CLA	CHC-C1C-C2C	-3.12	118.08	126.95
13	aA	834	CLA	CHC-C1C-C2C	-3.12	118.09	126.95
13	cA	839	CLA	CHC-C1C-C2C	-3.12	118.09	126.95
13	aA	802	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
13	cA	842	CLA	O2A-CGA-CBA	3.12	121.34	111.83
13	aA	805	CLA	CAA-C2A-C3A	-3.12	104.58	113.00
13	aB	833	CLA	CAA-C2A-C3A	-3.12	104.58	113.00
13	bA	809	CLA	CHC-C1C-C2C	-3.12	118.09	126.95
13	dA	809	CLA	CMC-C2C-C1C	3.12	129.90	125.03
13	aF	201	CLA	CMB-C2B-C1B	3.12	130.16	125.42
13	cA	814	CLA	CMB-C2B-C1B	3.12	130.16	125.42
13	aB	816	CLA	C3C-C4C-NC	3.12	114.42	110.43
13	aB	815	CLA	CHC-C1C-C2C	-3.12	118.09	126.95
13	aA	842	CLA	O2A-CGA-CBA	3.12	121.33	111.83
13	aB	818	CLA	CHD-C4C-NC	3.11	129.06	124.23
15	aL	201	BCR	C24-C23-C22	-3.11	121.63	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	808	CLA	CHD-C4C-NC	3.11	129.06	124.23
12	aA	801	CL0	O1D-CGD-CBD	-3.11	120.00	124.72
13	aL	202	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	dB	811	CLA	O2A-CGA-O1A	-3.11	115.84	123.63
13	aB	822	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	cB	815	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	aA	833	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	aA	839	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	cA	834	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	dA	809	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	aB	822	CLA	CHB-C4A-NA	3.11	128.89	124.40
13	dA	839	CLA	O2A-CGA-CBA	3.11	121.33	111.83
13	bA	817	CLA	CHD-C4C-NC	3.11	129.06	124.23
13	bA	836	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	aA	825	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	cA	825	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
13	dA	813	CLA	C3B-C4B-NB	3.11	113.31	110.53
13	dA	830	CLA	CHD-C1D-ND	-3.11	120.42	124.80
12	cA	801	CL0	O1D-CGD-CBD	-3.11	120.00	124.72
13	dA	817	CLA	CHC-C1C-C2C	-3.11	118.11	126.95
18	dB	837	LMG	O6-C1-O1	-3.11	102.69	110.04
13	bA	839	CLA	O2A-CGA-CBA	3.11	121.32	111.83
13	dA	821	CLA	CAA-C2A-C3A	-3.11	104.59	113.00
13	aJ	101	CLA	CHC-C1C-C2C	-3.11	118.11	126.95
13	dB	804	CLA	CHB-C4A-NA	3.11	128.89	124.40
13	bA	825	CLA	C3C-C4C-NC	3.11	114.41	110.43
13	cB	833	CLA	CAA-C2A-C3A	-3.11	104.59	113.00
13	bA	807	CLA	O2A-CGA-CBA	3.11	121.32	111.83
13	dF	204	CLA	C4B-C3B-C2B	-3.11	103.44	107.30
13	bB	815	CLA	CAC-C3C-C4C	3.11	128.84	124.79
13	cB	805	CLA	CHD-C1D-ND	-3.11	120.43	124.80
13	aA	814	CLA	CMB-C2B-C1B	3.11	130.15	125.42
13	cK	204	CLA	C4C-C3C-C2C	-3.11	102.37	106.89
13	bB	825	CLA	C3B-C4B-NB	3.11	113.31	110.53
13	cB	808	CLA	CHD-C4C-NC	3.11	129.05	124.23
13	bA	817	CLA	CHC-C1C-C2C	-3.11	118.11	126.95
13	cA	833	CLA	CHC-C1C-C2C	-3.11	118.11	126.95
13	dB	829	CLA	CHB-C4A-NA	3.11	128.89	124.40
13	cK	203	CLA	CHC-C1C-C2C	-3.11	118.11	126.95
13	cA	808	CLA	C3C-C4C-NC	3.11	114.41	110.43
13	dA	802	CLA	CMB-C2B-C3B	3.11	133.86	126.55
15	bF	203	BCR	C24-C23-C22	-3.11	121.64	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	818	CLA	CHD-C4C-NC	3.11	129.05	124.23
13	bA	832	CLA	C3B-C4B-NB	3.11	113.30	110.53
13	dB	815	CLA	CAC-C3C-C4C	3.11	128.83	124.79
13	cA	811	CLA	CHD-C4C-NC	3.11	129.05	124.23
13	dA	807	CLA	O2A-CGA-CBA	3.11	121.30	111.83
13	aA	816	CLA	CHD-C4C-NC	3.10	129.04	124.23
13	aB	832	CLA	CHC-C1C-C2C	-3.10	118.12	126.95
13	aB	808	CLA	C1-O2A-CGA	3.10	124.17	116.65
13	bB	818	CLA	CHC-C1C-C2C	-3.10	118.13	126.95
13	bA	830	CLA	C3C-C4C-NC	3.10	114.41	110.43
13	dA	816	CLA	C4B-C3B-C2B	-3.10	103.44	107.30
15	bF	203	BCR	C7-C8-C9	-3.10	121.64	126.23
13	cB	807	CLA	O2A-CGA-CBA	3.10	121.30	111.83
13	bB	813	CLA	C1C-C2C-C3C	-3.10	103.72	106.98
13	cA	802	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
13	bB	832	CLA	CBC-CAC-C3C	-3.10	104.01	112.42
18	bB	837	LMG	O6-C1-O1	-3.10	102.71	110.04
13	dB	830	CLA	CAC-C3C-C4C	3.10	128.82	124.79
13	bB	816	CLA	C4-C3-C5	3.10	120.61	115.23
13	cL	202	CLA	CHC-C1C-C2C	-3.10	118.14	126.95
13	dB	832	CLA	CBC-CAC-C3C	-3.10	104.01	112.42
13	cA	834	CLA	C3B-C4B-NB	3.10	113.30	110.53
13	aB	807	CLA	O2A-CGA-CBA	3.10	121.29	111.83
13	dA	830	CLA	C3C-C4C-NC	3.10	114.40	110.43
13	bA	833	CLA	C1C-C2C-C3C	-3.10	103.72	106.98
13	cB	808	CLA	C1-O2A-CGA	3.10	124.16	116.65
13	aA	834	CLA	C3B-C4B-NB	3.10	113.30	110.53
13	aA	807	CLA	CBC-CAC-C3C	-3.10	104.02	112.42
13	dL	203	CLA	CAA-CBA-CGA	-3.10	104.41	113.21
13	bA	821	CLA	CAA-C2A-C3A	-3.10	104.62	113.00
13	bA	834	CLA	CMB-C2B-C1B	3.10	130.14	125.42
13	bA	816	CLA	C4B-C3B-C2B	-3.10	103.45	107.30
13	dB	805	CLA	CAC-C3C-C4C	3.10	128.82	124.79
13	dA	832	CLA	CHC-C1C-C2C	-3.10	118.14	126.95
13	bL	203	CLA	CAA-CBA-CGA	-3.10	104.41	113.21
15	aJ	103	BCR	C15-C16-C17	-3.10	117.18	123.52
15	cJ	103	BCR	C15-C16-C17	-3.10	117.18	123.52
13	dA	834	CLA	CMB-C2B-C1B	3.10	130.13	125.42
13	bB	805	CLA	C4A-NA-C1A	-3.10	105.27	106.68
13	cJ	101	CLA	CHC-C1C-C2C	-3.10	118.15	126.95
13	dB	818	CLA	CHC-C1C-C2C	-3.10	118.15	126.95
13	bB	808	CLA	C1-C2-C3	-3.10	121.12	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	805	CLA	CHD-C1D-ND	-3.10	120.44	124.80
13	cK	203	CLA	C3B-C4B-NB	3.10	113.29	110.53
13	bA	832	CLA	CHC-C1C-C2C	-3.10	118.15	126.95
13	cB	834	CLA	C4A-NA-C1A	-3.09	105.27	106.68
13	bA	802	CLA	CMB-C2B-C3B	3.09	133.83	126.55
13	aA	808	CLA	C3C-C4C-NC	3.09	114.39	110.43
13	bB	805	CLA	CAC-C3C-C4C	3.09	128.81	124.79
13	bB	811	CLA	O2A-CGA-O1A	-3.09	115.89	123.63
13	cA	843	CLA	C4-C3-C5	3.09	120.60	115.23
13	aA	834	CLA	O2A-CGA-CBA	3.09	121.27	111.83
13	cA	816	CLA	CHD-C4C-NC	3.09	129.03	124.23
13	dA	825	CLA	C3C-C4C-NC	3.09	114.39	110.43
13	cB	805	CLA	CMB-C2B-C1B	3.09	130.13	125.42
13	bA	843	CLA	CHC-C1C-C2C	-3.09	118.16	126.95
13	cB	832	CLA	CHC-C1C-C2C	-3.09	118.16	126.95
15	dA	848	BCR	C15-C14-C13	-3.09	122.94	127.28
13	aA	835	CLA	CMB-C2B-C1B	3.09	130.13	125.42
13	aB	804	CLA	O2A-CGA-CBA	3.09	121.26	111.83
13	cB	817	CLA	CHD-C4C-NC	3.09	129.02	124.23
15	dF	203	BCR	C7-C8-C9	-3.09	121.66	126.23
13	cA	807	CLA	CBC-CAC-C3C	-3.09	104.04	112.42
13	bF	204	CLA	C4B-C3B-C2B	-3.09	103.46	107.30
15	bA	848	BCR	C15-C14-C13	-3.09	122.94	127.28
13	bA	809	CLA	C3B-C4B-NB	3.09	113.29	110.53
13	dB	816	CLA	C4-C3-C5	3.09	120.59	115.23
13	aF	201	CLA	C4C-C3C-C2C	-3.09	102.39	106.89
13	cA	806	CLA	CHD-C4C-NC	3.09	129.02	124.23
13	bB	818	CLA	C4B-C3B-C2B	-3.09	103.46	107.30
13	cA	832	CLA	CAA-C2A-C3A	-3.09	104.66	113.00
13	bA	825	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
13	dA	843	CLA	CHC-C1C-C2C	-3.09	118.18	126.95
13	cB	804	CLA	O2A-CGA-CBA	3.09	121.24	111.83
13	aA	811	CLA	CHD-C4C-NC	3.09	129.01	124.23
13	aB	817	CLA	CHD-C4C-NC	3.09	129.01	124.23
13	bA	810	CLA	C4C-C3C-C2C	-3.08	102.40	106.89
12	aA	801	CL0	O2A-CGA-CBA	3.08	121.24	111.83
13	bB	830	CLA	CAC-C3C-C4C	3.08	128.80	124.79
13	cA	835	CLA	CMB-C2B-C1B	3.08	130.12	125.42
13	aA	815	CLA	CAC-C3C-C4C	3.08	128.80	124.79
13	cF	201	CLA	C4C-C3C-C2C	-3.08	102.40	106.89
13	dA	810	CLA	C4C-C3C-C2C	-3.08	102.40	106.89
13	aA	843	CLA	C4-C3-C5	3.08	120.58	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	824	CLA	CHC-C1C-C2C	-3.08	118.19	126.95
13	cA	834	CLA	O2A-CGA-CBA	3.08	121.23	111.83
13	aK	203	CLA	C3B-C4B-NB	3.08	113.28	110.53
13	dA	832	CLA	C3B-C4B-NB	3.08	113.28	110.53
13	aB	808	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
13	bB	824	CLA	CHC-C1C-C2C	-3.08	118.19	126.95
13	dB	827	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
13	aA	803	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
13	bA	829	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
13	bL	202	CLA	CAA-C2A-C3A	-3.08	104.67	113.00
13	dA	813	CLA	CAC-C3C-C4C	3.08	128.80	124.79
12	cA	801	CL0	O2A-CGA-CBA	3.08	121.23	111.83
13	bF	201	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
13	bA	810	CLA	CMA-C3A-C2A	-3.08	102.08	113.98
13	aB	819	CLA	CMB-C2B-C1B	3.08	130.11	125.42
13	cA	803	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
13	dL	202	CLA	CAA-C2A-C3A	-3.08	104.68	113.00
13	bB	803	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
13	bA	828	CLA	CMB-C2B-C1B	3.08	130.10	125.42
13	bA	813	CLA	CAC-C3C-C4C	3.08	128.79	124.79
13	dA	825	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
13	dA	843	CLA	CBC-CAC-C3C	-3.08	104.08	112.42
13	dB	803	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
13	dA	837	CLA	CAC-C3C-C4C	3.08	128.79	124.79
13	cB	808	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
13	bA	815	CLA	CMB-C2B-C1B	3.08	130.10	125.42
13	dA	828	CLA	CMB-C2B-C1B	3.08	130.10	125.42
13	bB	830	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
13	bA	843	CLA	CBC-CAC-C3C	-3.07	104.08	112.42
13	aA	828	CLA	C1C-C2C-C3C	-3.07	103.75	106.98
15	cA	847	BCR	C11-C10-C9	-3.07	122.97	127.28
13	cA	824	CLA	C4B-C3B-C2B	-3.07	103.48	107.30
13	cA	815	CLA	CAC-C3C-C4C	3.07	128.79	124.79
13	dA	811	CLA	CBC-CAC-C3C	-3.07	104.09	112.42
13	cK	204	CLA	CAC-C3C-C4C	3.07	128.79	124.79
13	bJ	101	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
13	aB	805	CLA	CMB-C2B-C1B	3.07	130.10	125.42
13	bB	823	CLA	CHC-C1C-C2C	-3.07	118.22	126.95
13	bB	807	CLA	CHC-C1C-C2C	-3.07	118.22	126.95
13	dA	836	CLA	C1-C2-C3	-3.07	121.17	126.20
13	bA	840	CLA	C1-C2-C3	-3.07	121.80	126.76
13	aB	821	CLA	C4C-C3C-C2C	-3.07	102.42	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	832	CLA	CAA-C2A-C3A	-3.07	104.70	113.00
13	dA	834	CLA	C3C-C4C-NC	3.07	114.36	110.43
13	cB	803	CLA	CMA-C3A-C2A	-3.07	102.12	113.98
13	bA	815	CLA	C4A-NA-C1A	-3.07	105.28	106.68
13	dJ	101	CLA	O2D-CGD-O1D	-3.07	117.88	123.85
13	cA	820	CLA	C3C-C4C-NC	3.07	114.36	110.43
13	bA	837	CLA	CHD-C4C-NC	3.07	128.99	124.23
13	bA	833	CLA	CAC-C3C-C4C	3.07	128.78	124.79
13	aB	803	CLA	CMA-C3A-C2A	-3.07	102.12	113.98
15	cJ	103	BCR	C3-C4-C5	-3.07	108.58	114.06
13	dA	810	CLA	CMA-C3A-C2A	-3.07	102.13	113.98
13	bA	811	CLA	CBC-CAC-C3C	-3.07	104.11	112.42
13	dB	823	CLA	CHC-C1C-C2C	-3.07	118.24	126.95
13	cB	821	CLA	C4C-C3C-C2C	-3.07	102.43	106.89
13	bA	823	CLA	C3B-C4B-NB	3.06	113.27	110.53
13	dA	809	CLA	C3B-C4B-NB	3.06	113.27	110.53
13	dB	807	CLA	CHC-C1C-C2C	-3.06	118.24	126.95
13	cA	830	CLA	CHD-C4C-NC	3.06	128.98	124.23
13	bA	834	CLA	C3C-C4C-NC	3.06	114.36	110.43
13	bL	202	CLA	CHC-C1C-C2C	-3.06	118.24	126.95
13	bA	834	CLA	C1-C2-C3	-3.06	121.18	126.20
13	aA	813	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
13	dF	201	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
13	bA	837	CLA	CAC-C3C-C4C	3.06	128.77	124.79
13	bB	805	CLA	CBC-CAC-C3C	-3.06	104.12	112.42
13	aA	820	CLA	C3C-C4C-NC	3.06	114.35	110.43
13	bB	806	CLA	C3B-C4B-NB	3.06	113.26	110.53
13	dA	815	CLA	CMB-C2B-C1B	3.06	130.08	125.42
13	dL	202	CLA	CHC-C1C-C2C	-3.06	118.25	126.95
13	dB	806	CLA	C3B-C4B-NB	3.06	113.26	110.53
13	dB	805	CLA	CBC-CAC-C3C	-3.06	104.12	112.42
13	cA	828	CLA	C1-C2-C3	-3.06	121.18	126.20
13	dA	829	CLA	C4C-C3C-C2C	-3.06	102.44	106.89
13	aA	821	CLA	C3C-C4C-NC	3.06	114.35	110.43
13	bA	828	CLA	O2A-CGA-CBA	3.06	121.16	111.83
13	aB	826	CLA	C4B-C3B-C2B	-3.06	103.50	107.30
13	aA	832	CLA	C4C-C3C-C2C	-3.06	102.44	106.89
13	dB	830	CLA	C4C-C3C-C2C	-3.06	102.44	106.89
13	bA	816	CLA	CAA-C2A-C3A	-3.06	104.74	113.00
13	bB	808	CLA	C4C-C3C-C2C	-3.06	102.44	106.89
13	dA	837	CLA	CHD-C4C-NC	3.06	128.97	124.23
13	aA	817	CLA	CHC-C1C-C2C	-3.06	118.26	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	819	CLA	CMB-C2B-C1B	3.06	130.07	125.42
13	bA	819	CLA	CHC-C1C-C2C	-3.06	118.26	126.95
13	bA	836	CLA	C1-C2-C3	-3.06	121.19	126.20
13	dA	840	CLA	C1-C2-C3	-3.06	121.82	126.76
13	dA	819	CLA	CHC-C1C-C2C	-3.05	118.27	126.95
13	cA	817	CLA	CHC-C1C-C2C	-3.05	118.27	126.95
13	bB	827	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
13	aB	820	CLA	C1C-C2C-C3C	-3.05	103.77	106.98
13	cB	820	CLA	C1C-C2C-C3C	-3.05	103.77	106.98
13	aK	201	CLA	CAC-C3C-C4C	3.05	128.76	124.79
13	dB	815	CLA	C3B-C4B-NB	3.05	113.25	110.53
13	cK	203	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
13	dA	816	CLA	CAA-C2A-C3A	-3.05	104.75	113.00
13	cB	833	CLA	CHD-C4C-NC	3.05	128.96	124.23
13	dB	831	CLA	CHB-C4A-NA	3.05	128.80	124.40
13	cB	804	CLA	CHA-C1A-NA	-3.05	119.48	126.39
13	aB	803	CLA	CHC-C1C-C2C	-3.05	118.28	126.95
13	cB	803	CLA	CHC-C1C-C2C	-3.05	118.28	126.95
13	dA	834	CLA	C1-C2-C3	-3.05	121.20	126.20
13	aB	833	CLA	CHD-C4C-NC	3.05	128.96	124.23
13	aA	840	CLA	C3C-C4C-NC	3.05	114.34	110.43
13	cA	840	CLA	C3C-C4C-NC	3.05	114.34	110.43
13	dA	809	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
13	aB	822	CLA	C1-C2-C3	-3.05	121.20	126.20
13	dB	810	CLA	C3B-C4B-NB	3.05	113.25	110.53
13	bA	826	CLA	C1C-C2C-C3C	-3.05	103.77	106.98
13	dB	806	CLA	CHC-C1C-C2C	-3.05	118.28	126.95
13	dB	808	CLA	C4C-C3C-C2C	-3.05	102.45	106.89
13	dA	825	CLA	CHC-C1C-C2C	-3.05	118.28	126.95
13	aA	824	CLA	C4B-C3B-C2B	-3.05	103.51	107.30
13	bB	810	CLA	C3B-C4B-NB	3.05	113.25	110.53
13	dA	828	CLA	O2A-CGA-CBA	3.05	121.13	111.83
13	aK	204	CLA	CAC-C3C-C4C	3.05	128.76	124.79
13	dA	833	CLA	CAC-C3C-C4C	3.05	128.76	124.79
13	aB	801	CLA	CHD-C1D-ND	-3.05	120.51	124.80
13	dA	818	CLA	C4C-C3C-C2C	-3.05	102.45	106.89
13	aA	825	CLA	O2A-CGA-CBA	3.05	121.13	111.83
13	cA	825	CLA	O2A-CGA-CBA	3.05	121.13	111.83
13	aB	824	CLA	CHC-C1C-C2C	-3.05	118.29	126.95
13	cA	813	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
13	aA	830	CLA	CHC-C1C-C2C	-3.05	118.29	126.95
13	aA	828	CLA	C1-C2-C3	-3.05	121.21	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	806	CLA	CHC-C1C-C2C	-3.05	118.29	126.95
13	aA	811	CLA	CMC-C2C-C1C	3.05	129.79	125.03
13	aK	203	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
13	bA	825	CLA	CHC-C1C-C2C	-3.05	118.29	126.95
13	cB	824	CLA	CHC-C1C-C2C	-3.05	118.29	126.95
15	aJ	103	BCR	C3-C4-C5	-3.05	108.62	114.06
13	aB	831	CLA	C4B-C3B-C2B	-3.04	103.52	107.30
13	dB	802	CLA	CAC-C3C-C4C	3.04	128.75	124.79
13	aA	830	CLA	CHD-C4C-NC	3.04	128.95	124.23
13	cA	814	CLA	CHD-C4C-NC	3.04	128.95	124.23
13	cA	826	CLA	CHD-C1D-ND	-3.04	120.52	124.80
13	aB	810	CLA	C3C-C4C-NC	3.04	114.33	110.43
13	cB	814	CLA	CMC-C2C-C1C	3.04	129.79	125.03
13	cK	204	CLA	C4B-C3B-C2B	-3.04	103.52	107.30
15	bI	102	BCR	C15-C16-C17	-3.04	117.30	123.52
13	aA	803	CLA	CAC-C3C-C4C	3.04	128.75	124.79
15	aA	847	BCR	C11-C10-C9	-3.04	123.01	127.28
13	dB	830	CLA	CHC-C1C-C2C	-3.04	118.31	126.95
13	cB	810	CLA	C3C-C4C-NC	3.04	114.32	110.43
13	aB	804	CLA	CHA-C1A-NA	-3.04	119.51	126.39
13	cA	828	CLA	C1C-C2C-C3C	-3.04	103.78	106.98
13	cB	826	CLA	C4B-C3B-C2B	-3.04	103.52	107.30
18	aB	839	LMG	O1-C1-C2	-3.04	103.66	108.27
13	cA	835	CLA	C4B-C3B-C2B	-3.04	103.53	107.30
13	bA	827	CLA	CHC-C1C-C2C	-3.04	118.32	126.95
13	bB	830	CLA	CHC-C1C-C2C	-3.04	118.32	126.95
13	cA	832	CLA	C4C-C3C-C2C	-3.04	102.47	106.89
13	cA	830	CLA	CHC-C1C-C2C	-3.04	118.32	126.95
13	cA	840	CLA	CHC-C1C-C2C	-3.04	118.32	126.95
15	dI	102	BCR	C15-C16-C17	-3.03	117.31	123.52
13	aA	839	CLA	C4C-C3C-C2C	-3.03	102.47	106.89
13	cA	811	CLA	CMC-C2C-C1C	3.03	129.78	125.03
13	cA	839	CLA	C4C-C3C-C2C	-3.03	102.48	106.89
13	cJ	101	CLA	C4B-C3B-C2B	-3.03	103.53	107.30
13	bB	823	CLA	C3B-C2B-C1B	-3.03	103.59	107.17
13	dA	806	CLA	C1C-C2C-C3C	-3.03	103.79	106.98
13	bB	802	CLA	CAC-C3C-C4C	3.03	128.74	124.79
13	aB	814	CLA	CMC-C2C-C1C	3.03	129.77	125.03
13	cB	831	CLA	C4B-C3B-C2B	-3.03	103.53	107.30
13	cB	818	CLA	C3B-C4B-NB	3.03	113.24	110.53
13	bA	809	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
13	cB	806	CLA	C1-C2-C3	-3.03	121.23	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	822	CLA	C1-C2-C3	-3.03	121.23	126.20
13	bB	812	CLA	CHC-C1C-C2C	-3.03	118.33	126.95
13	cA	806	CLA	C3B-C4B-NB	3.03	113.24	110.53
13	dA	826	CLA	C1C-C2C-C3C	-3.03	103.79	106.98
13	bA	812	CLA	C4B-C3B-C2B	-3.03	103.53	107.30
13	dF	201	CLA	CHC-C1C-C2C	-3.03	118.33	126.95
13	dB	823	CLA	C3B-C2B-C1B	-3.03	103.60	107.17
13	aA	826	CLA	CHD-C1D-ND	-3.03	120.54	124.80
13	dB	822	CLA	C3B-C4B-NB	3.03	113.23	110.53
13	aB	816	CLA	CHC-C1C-C2C	-3.03	118.34	126.95
13	aJ	101	CLA	C4B-C3B-C2B	-3.03	103.53	107.30
13	bB	809	CLA	C4B-C3B-C2B	-3.03	103.53	107.30
13	cK	201	CLA	CAC-C3C-C4C	3.03	128.73	124.79
13	cB	814	CLA	C1C-C2C-C3C	-3.03	103.80	106.98
13	bB	831	CLA	CHB-C4A-NA	3.03	128.77	124.40
13	bA	818	CLA	C4C-C3C-C2C	-3.03	102.48	106.89
13	aB	834	CLA	C4A-NA-C1A	-3.03	105.30	106.68
13	cA	843	CLA	C1-O2A-CGA	3.03	123.98	116.65
13	bB	818	CLA	CBA-CAA-C2A	3.03	122.80	113.79
13	dA	834	CLA	O2A-CGA-CBA	3.03	121.06	111.83
13	cA	813	CLA	C3B-C4B-NB	3.03	113.23	110.53
13	dA	832	CLA	C1-C2-C3	-3.03	121.86	126.76
13	bB	822	CLA	C3B-C4B-NB	3.03	113.23	110.53
13	bB	820	CLA	C4C-C3C-C2C	-3.03	102.49	106.89
13	cA	823	CLA	CHC-C1C-C2C	-3.02	118.35	126.95
13	dA	812	CLA	C4B-C3B-C2B	-3.02	103.54	107.30
18	cB	839	LMG	O1-C1-C2	-3.02	103.68	108.27
13	cB	826	CLA	C1C-C2C-C3C	-3.02	103.80	106.98
13	dA	823	CLA	C3B-C4B-NB	3.02	113.23	110.53
13	dB	818	CLA	CBA-CAA-C2A	3.02	122.79	113.79
13	aA	840	CLA	CHC-C1C-C2C	-3.02	118.36	126.95
13	aA	843	CLA	C1-O2A-CGA	3.02	123.97	116.65
13	aB	806	CLA	C1-C2-C3	-3.02	121.25	126.20
13	aF	201	CLA	O2A-CGA-CBA	3.02	121.05	111.83
13	cB	823	CLA	CHC-C1C-C2C	-3.02	118.36	126.95
13	aA	835	CLA	C4B-C3B-C2B	-3.02	103.55	107.30
13	bF	201	CLA	CBC-CAC-C3C	-3.02	104.23	112.42
13	aB	819	CLA	CBA-CAA-C2A	3.02	122.78	113.79
13	bA	818	CLA	CHD-C4C-NC	3.02	128.91	124.23
13	aB	818	CLA	C3B-C4B-NB	3.02	113.23	110.53
13	aB	823	CLA	CHC-C1C-C2C	-3.02	118.37	126.95
13	bA	814	CLA	CMB-C2B-C1B	3.02	130.02	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bF	201	CLA	CHC-C1C-C2C	-3.02	118.37	126.95
13	dA	827	CLA	CHC-C1C-C2C	-3.02	118.37	126.95
13	aB	829	CLA	C4C-C3C-C2C	-3.02	102.50	106.89
13	bA	834	CLA	O2A-CGA-CBA	3.02	121.04	111.83
13	dA	821	CLA	CAC-C3C-C4C	3.02	128.72	124.79
13	dA	814	CLA	CMB-C2B-C1B	3.02	130.01	125.42
13	dL	203	CLA	CHC-C1C-C2C	-3.02	118.37	126.95
13	cB	829	CLA	C4C-C3C-C2C	-3.02	102.50	106.89
13	aB	826	CLA	C1C-C2C-C3C	-3.02	103.81	106.98
13	dF	201	CLA	CBC-CAC-C3C	-3.02	104.24	112.42
13	cA	803	CLA	CAC-C3C-C4C	3.02	128.72	124.79
13	cB	816	CLA	CHC-C1C-C2C	-3.02	118.38	126.95
13	aA	837	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
13	aK	201	CLA	CAA-C2A-C3A	-3.02	104.85	113.00
13	dB	806	CLA	O2A-CGA-CBA	3.02	121.03	111.83
13	aA	823	CLA	CHC-C1C-C2C	-3.02	118.38	126.95
13	bL	203	CLA	CHC-C1C-C2C	-3.02	118.38	126.95
13	bB	805	CLA	O2A-CGA-CBA	3.02	121.03	111.83
13	bA	832	CLA	C1-C2-C3	-3.01	121.88	126.76
13	dA	818	CLA	CHD-C4C-NC	3.01	128.91	124.23
13	cA	837	CLA	O2D-CGD-O1D	-3.01	117.98	123.85
13	aA	814	CLA	CHD-C4C-NC	3.01	128.90	124.23
13	dB	826	CLA	C3B-C4B-NB	3.01	113.22	110.53
13	dA	813	CLA	CHC-C1C-C2C	-3.01	118.39	126.95
13	dB	812	CLA	CHC-C1C-C2C	-3.01	118.39	126.95
13	dB	820	CLA	C4C-C3C-C2C	-3.01	102.51	106.89
13	cA	838	CLA	C4-C3-C5	3.01	119.67	116.13
13	aA	811	CLA	CHC-C1C-C2C	-3.01	118.39	126.95
13	aA	802	CLA	CHA-C1A-NA	-3.01	119.57	126.39
13	bB	806	CLA	O2A-CGA-CBA	3.01	121.02	111.83
13	cF	201	CLA	O2A-CGA-CBA	3.01	121.02	111.83
13	cB	801	CLA	CHD-C1D-ND	-3.01	120.57	124.80
13	aK	204	CLA	C4B-C3B-C2B	-3.01	103.56	107.30
13	bA	829	CLA	C4B-C3B-C2B	-3.01	103.56	107.30
13	dA	829	CLA	C4B-C3B-C2B	-3.01	103.56	107.30
13	dB	809	CLA	C4B-C3B-C2B	-3.01	103.56	107.30
13	aA	816	CLA	C4C-C3C-C2C	-3.01	102.51	106.89
13	bB	805	CLA	CHC-C1C-C2C	-3.01	118.39	126.95
13	aA	828	CLA	CHD-C4C-NC	3.01	128.90	124.23
13	cB	812	CLA	C3C-C4C-NC	3.01	114.28	110.43
13	dA	805	CLA	CHD-C4C-NC	3.01	128.90	124.23
13	cA	814	CLA	CAA-C2A-C3A	-3.01	104.87	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	805	CLA	CHD-C4C-NC	3.01	128.90	124.23
15	dA	848	BCR	C27-C26-C25	3.01	126.77	122.70
13	bA	811	CLA	CHD-C4C-NC	3.01	128.90	124.23
13	aB	812	CLA	C3C-C4C-NC	3.01	114.28	110.43
13	aB	810	CLA	C4C-C3C-C2C	-3.01	102.51	106.89
13	cB	819	CLA	CBA-CAA-C2A	3.01	122.74	113.79
15	bA	848	BCR	C3-C4-C5	-3.01	108.69	114.06
13	cA	821	CLA	C3C-C4C-NC	3.01	114.28	110.43
13	dA	818	CLA	C4-C3-C5	3.01	120.45	115.23
13	aA	811	CLA	C4B-C3B-C2B	-3.01	103.56	107.30
13	cA	811	CLA	CHC-C1C-C2C	-3.01	118.41	126.95
13	aA	814	CLA	CAA-C2A-C3A	-3.01	104.88	113.00
13	cK	201	CLA	CAA-C2A-C3A	-3.01	104.88	113.00
13	dB	805	CLA	O2A-CGA-CBA	3.01	121.00	111.83
13	aA	822	CLA	CHC-C1C-C2C	-3.00	118.41	126.95
13	bA	840	CLA	C4C-C3C-C2C	-3.00	102.52	106.89
13	aB	814	CLA	C1C-C2C-C3C	-3.00	103.82	106.98
13	bA	813	CLA	CHC-C1C-C2C	-3.00	118.41	126.95
13	dB	805	CLA	CHC-C1C-C2C	-3.00	118.41	126.95
13	aA	838	CLA	C4-C3-C5	3.00	119.66	116.13
13	dA	811	CLA	CHD-C4C-NC	3.00	128.89	124.23
13	aB	820	CLA	C4C-C3C-C2C	-3.00	102.52	106.89
15	dA	848	BCR	C3-C4-C5	-3.00	108.70	114.06
13	dB	816	CLA	C4C-C3C-C2C	-3.00	102.52	106.89
13	cA	818	CLA	C3B-C4B-NB	3.00	113.21	110.53
13	aB	820	CLA	CAC-C3C-C4C	3.00	128.70	124.79
13	cL	202	CLA	C4C-C3C-C2C	-3.00	102.52	106.89
13	bB	830	CLA	CAA-C2A-C3A	-3.00	104.89	113.00
13	cA	830	CLA	C1-C2-C3	-3.00	121.28	126.20
13	cA	822	CLA	CHC-C1C-C2C	-3.00	118.42	126.95
13	cL	204	CLA	CHC-C1C-C2C	-3.00	118.42	126.95
13	bA	835	CLA	C3C-C4C-NC	3.00	114.27	110.43
13	dB	830	CLA	CAA-C2A-C3A	-3.00	104.89	113.00
13	aF	204	CLA	C3C-C4C-NC	3.00	114.27	110.43
13	bA	821	CLA	CAC-C3C-C4C	3.00	128.69	124.79
13	cA	802	CLA	CHA-C1A-NA	-3.00	119.60	126.39
13	bA	813	CLA	O2A-CGA-CBA	3.00	120.97	111.83
13	dA	840	CLA	CHC-C1C-C2C	-3.00	118.43	126.95
13	dA	835	CLA	C3C-C4C-NC	3.00	114.27	110.43
13	cA	815	CLA	O2D-CGD-O1D	-3.00	118.02	123.85
13	aB	830	CLA	CHC-C1C-C2C	-3.00	118.43	126.95
13	bA	840	CLA	CHC-C1C-C2C	-3.00	118.43	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	813	CLA	O2A-CGA-CBA	3.00	120.97	111.83
13	bA	806	CLA	C1C-C2C-C3C	-3.00	103.83	106.98
13	aA	818	CLA	C3B-C4B-NB	3.00	113.20	110.53
13	bA	824	CLA	CHC-C1C-C2C	-3.00	118.44	126.95
13	cB	810	CLA	C4C-C3C-C2C	-2.99	102.53	106.89
13	cA	803	CLA	CHD-C4C-NC	2.99	128.88	124.23
13	dB	814	CLA	C4B-C3B-C2B	-2.99	103.58	107.30
13	bA	807	CLA	O2D-CGD-O1D	-2.99	118.02	123.85
13	dB	807	CLA	CAC-C3C-C4C	2.99	128.69	124.79
13	cF	204	CLA	C3C-C4C-NC	2.99	114.27	110.43
13	bA	804	CLA	CMB-C2B-C1B	2.99	129.98	125.42
13	aA	820	CLA	C1-C2-C3	-2.99	121.29	126.20
13	cA	816	CLA	C4C-C3C-C2C	-2.99	102.53	106.89
13	bA	835	CLA	CBC-CAC-C3C	-2.99	104.31	112.42
13	bB	814	CLA	C4B-C3B-C2B	-2.99	103.58	107.30
13	bA	833	CLA	C4C-C3C-C2C	-2.99	102.54	106.89
13	aA	815	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
13	aA	830	CLA	C1-C2-C3	-2.99	121.30	126.20
13	dB	805	CLA	C4B-C3B-C2B	-2.99	103.58	107.30
13	dA	818	CLA	CBC-CAC-C3C	-2.99	104.31	112.42
13	cB	820	CLA	C4C-C3C-C2C	-2.99	102.54	106.89
13	aA	841	CLA	C4B-C3B-C2B	-2.99	103.58	107.30
13	aB	804	CLA	C1C-C2C-C3C	-2.99	103.84	106.98
13	bA	802	CLA	C4C-C3C-C2C	-2.99	102.54	106.89
13	bA	807	CLA	CGD-CBD-CAD	-2.99	101.17	110.85
13	bA	818	CLA	CBC-CAC-C3C	-2.99	104.32	112.42
13	cB	820	CLA	CAC-C3C-C4C	2.99	128.68	124.79
13	dA	840	CLA	C4C-C3C-C2C	-2.99	102.54	106.89
13	dA	807	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
13	cA	841	CLA	C4B-C3B-C2B	-2.99	103.59	107.30
13	cA	828	CLA	CHD-C4C-NC	2.99	128.86	124.23
15	dL	201	BCR	C24-C23-C22	-2.99	121.82	126.23
13	dA	807	CLA	CGD-CBD-CAD	-2.99	101.18	110.85
13	aL	202	CLA	C4C-C3C-C2C	-2.99	102.55	106.89
13	cB	832	CLA	CAC-C3C-C4C	2.99	128.67	124.79
13	bB	805	CLA	CHB-C4A-NA	2.99	128.71	124.40
13	cB	830	CLA	CHC-C1C-C2C	-2.98	118.47	126.95
13	cA	834	CLA	CHD-C4C-NC	2.98	128.86	124.23
13	aB	808	CLA	C4C-C3C-C2C	-2.98	102.55	106.89
13	aA	841	CLA	O2A-CGA-CBA	2.98	120.93	111.83
13	bA	823	CLA	CHC-C1C-C2C	-2.98	118.47	126.95
13	cB	811	CLA	C3C-C4C-NC	2.98	114.25	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	bL	201	BCR	C24-C23-C22	-2.98	121.82	126.23
13	aA	841	CLA	CMB-C2B-C1B	2.98	129.96	125.42
13	cA	804	CLA	C4C-C3C-C2C	-2.98	102.55	106.89
13	dA	802	CLA	O2A-CGA-O1A	-2.98	116.17	123.63
13	aL	204	CLA	CHC-C1C-C2C	-2.98	118.47	126.95
13	dA	824	CLA	CHC-C1C-C2C	-2.98	118.47	126.95
13	aB	808	CLA	C4-C3-C5	2.98	120.40	115.23
13	bB	816	CLA	C4C-C3C-C2C	-2.98	102.55	106.89
13	aA	806	CLA	C3B-C4B-NB	2.98	113.19	110.53
13	bA	818	CLA	C4-C3-C5	2.98	120.40	115.23
13	aA	803	CLA	CHD-C4C-NC	2.98	128.85	124.23
13	cA	841	CLA	O2A-CGA-CBA	2.98	120.92	111.83
13	bB	815	CLA	C3B-C4B-NB	2.98	113.19	110.53
13	cA	837	CLA	CHC-C1C-C2C	-2.98	118.48	126.95
13	aA	825	CLA	C3C-C4C-NC	2.98	114.25	110.43
13	aA	813	CLA	C3B-C4B-NB	2.98	113.19	110.53
13	dA	806	CLA	CHB-C4A-NA	2.98	128.70	124.40
13	cB	823	CLA	C1-C2-C3	-2.98	121.32	126.20
13	bB	832	CLA	CAA-C2A-C3A	-2.98	104.95	113.00
13	bA	815	CLA	C4C-C3C-C2C	-2.98	102.56	106.89
13	dA	833	CLA	C4C-C3C-C2C	-2.98	102.56	106.89
15	aA	846	BCR	C11-C10-C9	-2.98	123.10	127.28
13	aA	837	CLA	CHC-C1C-C2C	-2.98	118.49	126.95
13	dA	835	CLA	CBC-CAC-C3C	-2.98	104.35	112.42
13	dB	832	CLA	CAA-C2A-C3A	-2.98	104.96	113.00
13	cA	841	CLA	CMB-C2B-C1B	2.98	129.95	125.42
13	bJ	101	CLA	C4C-C3C-C2C	-2.98	102.56	106.89
13	dJ	101	CLA	C4C-C3C-C2C	-2.98	102.56	106.89
15	bA	848	BCR	C27-C26-C25	2.97	126.72	122.70
13	dA	802	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
13	aA	834	CLA	CHD-C4C-NC	2.97	128.84	124.23
15	aJ	104	BCR	C3-C4-C5	-2.97	108.76	114.06
13	bB	807	CLA	CAC-C3C-C4C	2.97	128.66	124.79
13	cA	802	CLA	C1-C2-C3	-2.97	121.33	126.20
13	aB	809	CLA	CHC-C1C-C2C	-2.97	118.51	126.95
13	aA	802	CLA	C4-C3-C5	2.97	120.38	115.23
15	aF	203	BCR	C27-C26-C25	2.97	126.72	122.70
13	bB	803	CLA	CAA-C2A-C3A	-2.97	104.97	113.00
13	dA	815	CLA	C4C-C3C-C2C	-2.97	102.57	106.89
13	dA	823	CLA	CHC-C1C-C2C	-2.97	118.51	126.95
13	cA	820	CLA	C1-C2-C3	-2.97	121.33	126.20
15	cJ	104	BCR	C3-C4-C5	-2.97	108.76	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	cB	835	PQN	C11-C3-C2	-2.97	119.80	124.89
13	aA	821	CLA	CHB-C4A-NA	2.97	128.69	124.40
13	cB	810	CLA	CAC-C3C-C4C	2.97	128.65	124.79
13	aB	809	CLA	CHD-C4C-NC	2.97	128.83	124.23
13	bA	802	CLA	O2A-CGA-O1A	-2.97	116.20	123.63
13	aA	802	CLA	C1-C2-C3	-2.97	121.33	126.20
13	cA	824	CLA	C1-C2-C3	-2.97	121.33	126.20
13	dB	803	CLA	CAA-C2A-C3A	-2.97	104.98	113.00
13	aA	830	CLA	C4B-C3B-C2B	-2.97	103.61	107.30
15	dA	848	BCR	C30-C25-C26	-2.97	118.58	122.64
13	cA	825	CLA	C3C-C4C-NC	2.97	114.23	110.43
13	cB	808	CLA	C4-C3-C5	2.97	120.38	115.23
13	bA	802	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
13	dA	834	CLA	CAC-C3C-C4C	2.97	128.65	124.79
13	dA	804	CLA	CMB-C2B-C1B	2.97	129.94	125.42
13	dA	802	CLA	C4C-C3C-C2C	-2.97	102.58	106.89
13	dB	808	CLA	CAC-C3C-C4C	2.97	128.65	124.79
13	dB	812	CLA	C3B-C4B-NB	2.97	113.18	110.53
13	cA	811	CLA	C4B-C3B-C2B	-2.96	103.62	107.30
13	bA	808	CLA	C3B-C4B-NB	2.96	113.18	110.53
13	bA	837	CLA	C3B-C4B-NB	2.96	113.18	110.53
13	cA	843	CLA	C4C-C3C-C2C	-2.96	102.58	106.89
13	aB	832	CLA	CAC-C3C-C4C	2.96	128.65	124.79
13	cB	816	CLA	CAC-C3C-C4C	2.96	128.65	124.79
13	bB	814	CLA	CHD-C4C-NC	2.96	128.82	124.23
13	cB	808	CLA	C4C-C3C-C2C	-2.96	102.58	106.89
13	dB	807	CLA	C4C-C3C-C2C	-2.96	102.58	106.89
13	aB	823	CLA	C1-C2-C3	-2.96	121.34	126.20
13	aA	828	CLA	C4B-C3B-C2B	-2.96	103.62	107.30
13	cB	809	CLA	CHC-C1C-C2C	-2.96	118.53	126.95
13	bB	819	CLA	C3C-C4C-NC	2.96	114.22	110.43
13	aB	826	CLA	CAA-C2A-C3A	-2.96	105.00	113.00
13	bB	808	CLA	CAC-C3C-C4C	2.96	128.64	124.79
13	aA	824	CLA	O2A-CGA-CBA	2.96	120.86	111.83
13	bB	805	CLA	C4B-C3B-C2B	-2.96	103.62	107.30
13	dB	814	CLA	CHD-C4C-NC	2.96	128.82	124.23
13	aB	816	CLA	CAC-C3C-C4C	2.96	128.64	124.79
13	aB	820	CLA	CAA-C2A-C1A	-2.96	102.28	111.97
13	aA	824	CLA	C1-C2-C3	-2.96	121.35	126.20
13	bA	829	CLA	CHC-C1C-C2C	-2.96	118.54	126.95
13	cB	809	CLA	CHD-C4C-NC	2.96	128.82	124.23
13	bA	806	CLA	CHB-C4A-NA	2.96	128.67	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	810	CLA	C4C-C3C-C2C	-2.96	102.58	106.89
13	cA	824	CLA	O2A-CGA-CBA	2.96	120.85	111.83
13	dA	812	CLA	C3C-C4C-NC	2.96	114.22	110.43
13	dA	837	CLA	C3B-C4B-NB	2.96	113.17	110.53
13	cA	809	CLA	C4C-C3C-C2C	-2.96	102.59	106.89
13	aB	810	CLA	CAC-C3C-C4C	2.96	128.64	124.79
13	aA	804	CLA	C4C-C3C-C2C	-2.96	102.59	106.89
13	cA	810	CLA	C4C-C3C-C2C	-2.96	102.59	106.89
13	cB	826	CLA	CAA-C2A-C3A	-2.96	105.01	113.00
13	cA	841	CLA	C1-C2-C3	-2.96	121.35	126.20
13	bA	812	CLA	C3C-C4C-NC	2.96	114.22	110.43
13	cA	821	CLA	CHB-C4A-NA	2.96	128.66	124.40
13	aA	812	CLA	C3B-C4B-NB	2.96	113.17	110.53
13	bA	838	CLA	O2A-CGA-CBA	2.95	120.84	111.83
13	dA	838	CLA	O2A-CGA-CBA	2.95	120.84	111.83
14	aB	835	PQN	C11-C3-C2	-2.95	119.83	124.89
13	cB	803	CLA	CHD-C4C-NC	2.95	128.81	124.23
13	aA	809	CLA	C1-C2-C3	-2.95	121.36	126.20
13	aA	843	CLA	C4C-C3C-C2C	-2.95	102.59	106.89
13	bA	840	CLA	CAC-C3C-C4C	2.95	128.63	124.79
15	cF	203	BCR	C27-C26-C25	2.95	126.69	122.70
13	aK	201	CLA	C4B-C3B-C2B	-2.95	103.63	107.30
13	cB	815	CLA	C4B-C3B-C2B	-2.95	103.63	107.30
13	dA	829	CLA	CHC-C1C-C2C	-2.95	118.56	126.95
13	bB	807	CLA	C4C-C3C-C2C	-2.95	102.59	106.89
13	dA	840	CLA	CMB-C2B-C1B	2.95	129.91	125.42
13	bA	835	CLA	CAC-C3C-C4C	2.95	128.63	124.79
13	dA	812	CLA	C4C-C3C-C2C	-2.95	102.60	106.89
13	cA	838	CLA	CAC-C3C-C4C	2.95	128.63	124.79
13	dB	805	CLA	CHB-C4A-NA	2.95	128.66	124.40
13	bA	824	CLA	CAC-C3C-C4C	2.95	128.63	124.79
13	dB	812	CLA	CHD-C4C-NC	2.95	128.81	124.23
15	cA	846	BCR	C11-C10-C9	-2.95	123.14	127.28
13	aB	803	CLA	CHD-C4C-NC	2.95	128.80	124.23
13	bA	815	CLA	C3B-C4B-NB	2.95	113.16	110.53
13	dA	815	CLA	C3B-C4B-NB	2.95	113.16	110.53
13	bA	837	CLA	CHC-C1C-C2C	-2.95	118.57	126.95
13	aA	809	CLA	C4C-C3C-C2C	-2.95	102.60	106.89
13	cB	820	CLA	CAA-C2A-C1A	-2.95	102.31	111.97
13	bA	834	CLA	CAC-C3C-C4C	2.95	128.62	124.79
13	aA	826	CLA	CMB-C2B-C1B	2.95	129.91	125.42
13	dA	806	CLA	O2D-CGD-O1D	-2.95	118.11	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	841	CLA	C1-C2-C3	-2.95	121.37	126.20
13	aB	810	CLA	CHB-C4A-NA	2.95	128.65	124.40
13	bA	840	CLA	CMB-C2B-C1B	2.95	129.90	125.42
13	bA	839	CLA	C4C-C3C-C2C	-2.95	102.60	106.89
15	bA	848	BCR	C30-C25-C26	-2.95	118.61	122.64
13	dA	839	CLA	C4C-C3C-C2C	-2.94	102.61	106.89
13	dA	830	CLA	CAA-C2A-C3A	-2.94	105.04	113.00
13	bB	812	CLA	CMB-C2B-C1B	2.94	129.90	125.42
13	bB	826	CLA	C3B-C4B-NB	2.94	113.16	110.53
13	aA	834	CLA	CMA-C3A-C4A	-2.94	103.86	111.77
13	aB	815	CLA	CAC-C3C-C4C	2.94	128.62	124.79
13	aB	811	CLA	C3C-C4C-NC	2.94	114.20	110.43
13	dA	837	CLA	CAA-C2A-C3A	-2.94	105.05	113.00
13	cA	830	CLA	C4B-C3B-C2B	-2.94	103.64	107.30
15	aF	202	BCR	C27-C26-C25	2.94	126.68	122.70
13	dA	835	CLA	CAC-C3C-C4C	2.94	128.62	124.79
13	aB	812	CLA	CMC-C2C-C1C	2.94	129.63	125.03
13	bA	812	CLA	C4C-C3C-C2C	-2.94	102.61	106.89
13	cB	831	CLA	C4C-C3C-C2C	-2.94	102.61	106.89
13	cA	828	CLA	C4B-C3B-C2B	-2.94	103.64	107.30
13	cA	802	CLA	C4-C3-C5	2.94	120.33	115.23
13	aA	812	CLA	C4C-C3C-C2C	-2.94	102.61	106.89
13	dB	825	CLA	CHC-C1C-C2C	-2.94	118.59	126.95
13	bA	830	CLA	CAA-C2A-C3A	-2.94	105.05	113.00
16	dA	853	LHG	O8-C23-C24	2.94	120.08	111.15
13	cA	834	CLA	CMA-C3A-C4A	-2.94	103.87	111.77
13	dB	822	CLA	O2A-CGA-CBA	2.94	120.80	111.83
13	aA	813	CLA	CMB-C2B-C1B	2.94	129.90	125.42
13	bA	806	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
13	cB	810	CLA	CHD-C4C-NC	2.94	128.79	124.23
13	cA	809	CLA	C1-C2-C3	-2.94	121.38	126.20
13	dJ	101	CLA	CHC-C1C-C2C	-2.94	118.59	126.95
13	aA	823	CLA	C4B-C3B-C2B	-2.94	103.65	107.30
13	bB	822	CLA	O2A-CGA-CBA	2.94	120.79	111.83
13	bB	825	CLA	CHC-C1C-C2C	-2.94	118.60	126.95
13	dA	837	CLA	CHC-C1C-C2C	-2.94	118.60	126.95
13	dA	823	CLA	C4B-C3B-C2B	-2.94	103.65	107.30
13	bA	820	CLA	C4C-C3C-C2C	-2.94	102.62	106.89
13	dA	840	CLA	CAC-C3C-C4C	2.94	128.61	124.79
16	bA	853	LHG	O8-C23-C24	2.94	120.06	111.15
13	dA	820	CLA	C4C-C3C-C2C	-2.94	102.62	106.89
13	aB	815	CLA	C4B-C3B-C2B	-2.94	103.65	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	814	CLA	C3B-C4B-NB	2.94	113.15	110.53
13	bB	817	CLA	C4C-C3C-C2C	-2.94	102.62	106.89
13	aA	841	CLA	CHB-C4A-NA	2.94	128.64	124.40
13	cB	810	CLA	CHB-C4A-NA	2.94	128.64	124.40
13	bB	824	CLA	CHD-C4C-NC	2.93	128.78	124.23
13	dB	807	CLA	CHD-C4C-NC	2.93	128.78	124.23
13	aA	814	CLA	C3B-C4B-NB	2.93	113.15	110.53
13	dB	806	CLA	C4C-C3C-C2C	-2.93	102.62	106.89
13	aA	806	CLA	CHB-C4A-NA	2.93	128.63	124.40
13	dB	819	CLA	C3C-C4C-NC	2.93	114.19	110.43
13	dB	817	CLA	C4C-C3C-C2C	-2.93	102.62	106.89
13	aA	830	CLA	CMC-C2C-C1C	2.93	129.62	125.03
13	aB	831	CLA	C4C-C3C-C2C	-2.93	102.62	106.89
13	aB	810	CLA	CHD-C4C-NC	2.93	128.78	124.23
13	bA	823	CLA	C4B-C3B-C2B	-2.93	103.66	107.30
13	bB	809	CLA	CHC-C1C-C2C	-2.93	118.62	126.95
13	bB	828	CLA	CMC-C2C-C1C	2.93	129.62	125.03
13	cB	804	CLA	C1C-C2C-C3C	-2.93	103.90	106.98
13	aA	829	CLA	C4-C3-C5	2.93	120.32	115.23
13	cB	806	CLA	O2A-CGA-CBA	2.93	120.77	111.83
13	bB	806	CLA	C4C-C3C-C2C	-2.93	102.62	106.89
13	cK	203	CLA	C4B-C3B-C2B	-2.93	103.66	107.30
12	bA	801	CL0	O2D-CGD-O1D	-2.93	118.14	123.85
13	cA	813	CLA	C4C-C3C-C2C	-2.93	102.63	106.89
13	cA	828	CLA	CHC-C1C-C2C	-2.93	118.62	126.95
13	dA	812	CLA	C4-C3-C5	2.93	120.31	115.23
13	aA	828	CLA	CHC-C1C-C2C	-2.93	118.62	126.95
15	dA	851	BCR	C1-C6-C5	-2.93	118.63	122.64
13	dB	821	CLA	CHD-C4C-NC	2.93	128.77	124.23
13	bA	840	CLA	C4B-C3B-C2B	-2.93	103.66	107.30
13	bB	812	CLA	CHD-C4C-NC	2.93	128.77	124.23
13	aA	835	CLA	O2A-CGA-CBA	2.93	120.76	111.83
13	bJ	101	CLA	CHC-C1C-C2C	-2.93	118.63	126.95
13	dB	812	CLA	CMB-C2B-C1B	2.93	129.88	125.42
13	dA	824	CLA	CAC-C3C-C4C	2.93	128.60	124.79
13	bA	837	CLA	CAA-C2A-C3A	-2.93	105.09	113.00
13	bA	812	CLA	C4-C3-C5	2.93	120.31	115.23
13	dB	824	CLA	CHD-C4C-NC	2.93	128.77	124.23
13	dA	807	CLA	CMB-C2B-C1B	2.93	129.88	125.42
13	bA	814	CLA	O2D-CGD-CBD	2.93	116.35	111.23
13	dA	808	CLA	C3B-C4B-NB	2.93	113.14	110.53
13	bA	809	CLA	CAC-C3C-C4C	2.93	128.60	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	808	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
13	cB	829	CLA	CHC-C1C-C2C	-2.93	118.64	126.95
13	cA	812	CLA	C3B-C4B-NB	2.92	113.14	110.53
13	bB	802	CLA	O2A-CGA-CBA	2.92	120.75	111.83
13	cA	806	CLA	CHB-C4A-NA	2.92	128.62	124.40
13	aA	838	CLA	CAC-C3C-C4C	2.92	128.59	124.79
13	cA	826	CLA	CMB-C2B-C1B	2.92	129.87	125.42
13	dB	828	CLA	CMC-C2C-C1C	2.92	129.60	125.03
13	cA	829	CLA	C4-C3-C5	2.92	120.30	115.23
13	cA	814	CLA	CHB-C4A-NA	2.92	128.62	124.40
13	cA	822	CLA	C1C-C2C-C3C	-2.92	103.91	106.98
13	cA	835	CLA	O2A-CGA-CBA	2.92	120.75	111.83
13	cA	803	CLA	CHC-C1C-C2C	-2.92	118.64	126.95
13	dA	818	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
13	dB	828	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
13	bB	810	CLA	CAA-CBA-CGA	-2.92	104.91	113.21
13	bB	830	CLA	CHD-C4C-NC	2.92	128.76	124.23
13	aA	833	CLA	C3B-C4B-NB	2.92	113.14	110.53
13	bA	839	CLA	CAC-C3C-C4C	2.92	128.59	124.79
13	dA	835	CLA	CHD-C4C-NC	2.92	128.76	124.23
15	cB	838	BCR	C27-C26-C25	2.92	126.65	122.70
13	dA	824	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
13	bB	821	CLA	CHD-C4C-NC	2.92	128.76	124.23
13	bB	808	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
13	dA	833	CLA	CHC-C1C-C2C	-2.92	118.65	126.95
13	bA	819	CLA	CHD-C1D-ND	-2.92	120.69	124.80
13	bB	824	CLA	CED-O2D-CGD	2.92	122.54	115.92
13	dB	809	CLA	CHC-C1C-C2C	-2.92	118.65	126.95
13	cB	824	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
13	bB	807	CLA	CHD-C4C-NC	2.92	128.76	124.23
13	bA	824	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
13	cA	826	CLA	CGD-CBD-CAD	-2.92	101.40	110.85
13	dB	802	CLA	O2A-CGA-CBA	2.92	120.73	111.83
13	aA	827	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
13	aK	203	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
13	cA	813	CLA	CMB-C2B-C1B	2.92	129.86	125.42
13	bB	828	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
13	cA	810	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
13	cK	201	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
13	bA	807	CLA	CMB-C2B-C1B	2.92	129.86	125.42
13	dB	821	CLA	CMB-C2B-C1B	2.92	129.86	125.42
13	aB	808	CLA	CHC-C1C-C2C	-2.92	118.66	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	814	CLA	CAC-C3C-C4C	2.92	128.59	124.79
13	bA	818	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
13	dB	810	CLA	CAA-CBA-CGA	-2.92	104.92	113.21
13	cB	812	CLA	CMC-C2C-C1C	2.92	129.59	125.03
13	bB	831	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
13	dB	807	CLA	O1D-CGD-CBD	-2.92	118.76	124.52
13	dA	814	CLA	CHC-C1C-C2C	-2.92	118.66	126.95
13	bB	806	CLA	CBA-CAA-C2A	2.92	122.47	113.79
14	aA	844	PQN	C11-C12-C13	-2.92	121.81	126.83
13	cB	813	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
13	dB	831	CLA	C4C-C3C-C2C	-2.92	102.65	106.89
13	dF	201	CLA	C4-C3-C5	2.92	119.56	116.13
13	bA	814	CLA	CHC-C1C-C2C	-2.92	118.66	126.95
13	bB	827	CLA	CHC-C1C-C2C	-2.92	118.66	126.95
13	cB	815	CLA	CAC-C3C-C4C	2.92	128.58	124.79
13	dB	815	CLA	CHC-C1C-C2C	-2.92	118.66	126.95
13	cA	833	CLA	C3B-C4B-NB	2.92	113.13	110.53
13	dA	819	CLA	CHD-C1D-ND	-2.92	120.70	124.80
13	aF	204	CLA	CBC-CAC-C3C	-2.92	104.52	112.42
13	aK	203	CLA	C4B-C3B-C2B	-2.92	103.68	107.30
13	dL	202	CLA	CHB-C4A-NA	2.92	128.61	124.40
13	bB	812	CLA	C3B-C4B-NB	2.91	113.13	110.53
13	aB	829	CLA	CHC-C1C-C2C	-2.91	118.67	126.95
13	aB	820	CLA	C3C-C4C-NC	2.91	114.16	110.43
13	cB	808	CLA	CHC-C1C-C2C	-2.91	118.67	126.95
13	dB	827	CLA	CHC-C1C-C2C	-2.91	118.67	126.95
13	aB	809	CLA	CMB-C2B-C1B	2.91	129.85	125.42
13	cK	203	CLA	C4C-C3C-C2C	-2.91	102.65	106.89
13	aA	803	CLA	CHC-C1C-C2C	-2.91	118.67	126.95
13	cA	825	CLA	CHD-C4C-NC	2.91	128.75	124.23
15	cF	202	BCR	C27-C26-C25	2.91	126.64	122.70
13	dA	813	CLA	C1-C2-C3	-2.91	121.42	126.20
13	aA	822	CLA	C1C-C2C-C3C	-2.91	103.92	106.98
13	dB	806	CLA	CBA-CAA-C2A	2.91	122.46	113.79
13	bB	807	CLA	O1D-CGD-CBD	-2.91	118.77	124.52
13	aB	806	CLA	O2A-CGA-CBA	2.91	120.71	111.83
15	cB	837	BCR	C27-C26-C25	2.91	126.64	122.70
15	bF	203	BCR	C28-C27-C26	-2.91	108.86	114.06
15	aB	837	BCR	C27-C26-C25	2.91	126.64	122.70
13	cF	204	CLA	CBC-CAC-C3C	-2.91	104.53	112.42
13	cA	812	CLA	C4C-C3C-C2C	-2.91	102.65	106.89
15	bA	851	BCR	C1-C6-C5	-2.91	118.66	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	843	CLA	CAA-C2A-C3A	-2.91	105.13	113.00
15	dF	203	BCR	C28-C27-C26	-2.91	108.87	114.06
13	bB	821	CLA	CMB-C2B-C1B	2.91	129.85	125.42
13	aA	813	CLA	C4C-C3C-C2C	-2.91	102.66	106.89
13	cA	817	CLA	C4C-C3C-C2C	-2.91	102.66	106.89
13	aA	826	CLA	CGD-CBD-CAD	-2.91	101.43	110.85
13	bA	833	CLA	CHC-C1C-C2C	-2.91	118.68	126.95
13	bA	835	CLA	CHD-C4C-NC	2.91	128.74	124.23
13	dA	844	CLA	CHB-C4A-NA	2.91	128.60	124.40
12	dA	801	CL0	O2D-CGD-O1D	-2.91	118.19	123.85
13	dA	829	CLA	CHD-C4C-NC	2.91	128.74	124.23
13	cB	818	CLA	CHC-C1C-C2C	-2.91	118.68	126.95
13	dA	814	CLA	O2D-CGD-CBD	2.91	116.31	111.23
15	dB	835	BCR	C15-C16-C17	-2.91	117.57	123.52
13	aB	814	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
13	bA	802	CLA	CHB-C1B-C2B	-2.91	118.99	127.43
13	cA	830	CLA	CHD-C1D-ND	-2.91	120.71	124.80
13	aA	824	CLA	CHC-C1C-C2C	-2.91	118.69	126.95
13	cB	815	CLA	O2A-CGA-CBA	2.91	120.70	111.83
13	dA	840	CLA	C4B-C3B-C2B	-2.91	103.69	107.30
15	dJ	104	BCR	C15-C14-C13	-2.91	123.20	127.28
14	cA	844	PQN	C11-C12-C13	-2.91	121.82	126.83
13	bB	815	CLA	CHC-C1C-C2C	-2.91	118.69	126.95
13	aA	830	CLA	C4C-C3C-C2C	-2.91	102.66	106.89
13	dB	824	CLA	CED-O2D-CGD	2.91	122.51	115.92
13	aB	824	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
15	cA	848	BCR	C28-C27-C26	-2.90	108.88	114.06
13	aA	825	CLA	CHD-C4C-NC	2.90	128.74	124.23
13	aA	836	CLA	O2A-CGA-CBA	2.90	120.69	111.83
13	aL	204	CLA	C4B-C3B-C2B	-2.90	103.69	107.30
13	bL	202	CLA	CHB-C4A-NA	2.90	128.59	124.40
13	aB	813	CLA	C4B-C3B-C2B	-2.90	103.69	107.30
13	cA	827	CLA	C4C-C3C-C2C	-2.90	102.67	106.89
13	dA	802	CLA	CHB-C1B-C2B	-2.90	119.00	127.43
13	cA	841	CLA	CHB-C4A-NA	2.90	128.59	124.40
13	bA	813	CLA	C1-C2-C3	-2.90	121.44	126.20
13	cA	833	CLA	O2A-CGA-CBA	2.90	120.68	111.83
13	aA	817	CLA	C4C-C3C-C2C	-2.90	102.67	106.89
13	aA	812	CLA	CHC-C1C-C2C	-2.90	118.70	126.95
12	dA	801	CL0	C4C-C3C-C2C	-2.90	101.91	113.37
13	cB	820	CLA	C3C-C4C-NC	2.90	114.15	110.43
13	aA	810	CLA	C4B-C3B-C2B	-2.90	103.69	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	810	CLA	C4C-C3C-C2C	-2.90	102.67	106.89
13	dB	810	CLA	C4C-C3C-C2C	-2.90	102.67	106.89
15	bJ	104	BCR	C15-C14-C13	-2.90	123.21	127.28
13	dA	843	CLA	CAA-C2A-C3A	-2.90	105.16	113.00
13	bB	826	CLA	CHC-C1C-C2C	-2.90	118.71	126.95
13	cA	836	CLA	O2A-CGA-CBA	2.90	120.67	111.83
15	aA	847	BCR	C15-C14-C13	-2.90	123.21	127.28
13	dB	809	CLA	C3B-C4B-NB	2.90	113.12	110.53
13	aA	833	CLA	O2A-CGA-CBA	2.90	120.67	111.83
13	cA	830	CLA	CMC-C2C-C1C	2.90	129.56	125.03
13	bA	829	CLA	CHD-C4C-NC	2.90	128.73	124.23
13	bA	843	CLA	CHB-C4A-NA	2.90	128.58	124.40
13	aA	814	CLA	CAC-C3C-C4C	2.90	128.56	124.79
13	aA	806	CLA	CHC-C1C-C2C	-2.90	118.71	126.95
13	cA	816	CLA	CHC-C1C-C2C	-2.90	118.71	126.95
13	aA	842	CLA	CHC-C1C-C2C	-2.90	118.71	126.95
13	aB	818	CLA	CHC-C1C-C2C	-2.90	118.71	126.95
12	bA	801	CL0	C4C-C3C-C2C	-2.90	101.93	113.37
13	dB	826	CLA	CHC-C1C-C2C	-2.90	118.71	126.95
13	bB	824	CLA	O2A-CGA-CBA	2.90	120.67	111.83
13	dA	844	CLA	C3B-C4B-NB	2.90	113.12	110.53
15	dF	202	BCR	C11-C10-C9	-2.90	123.22	127.28
13	aB	815	CLA	O2A-CGA-CBA	2.90	120.67	111.83
13	aB	812	CLA	CHD-C4C-NC	2.90	128.72	124.23
13	cA	824	CLA	CHD-C4C-NC	2.90	128.72	124.23
13	bA	843	CLA	C4C-C3C-C2C	-2.90	102.68	106.89
13	cA	818	CLA	C4B-C3B-C2B	-2.90	103.70	107.30
15	aB	838	BCR	C27-C26-C25	2.90	126.62	122.70
13	aB	814	CLA	O2A-CGA-CBA	2.90	120.66	111.83
13	aB	819	CLA	C1-C2-C3	-2.90	121.45	126.20
13	cA	824	CLA	CHC-C1C-C2C	-2.90	118.72	126.95
14	cA	844	PQN	C14-C13-C15	2.89	120.25	115.23
13	cB	819	CLA	C1-C2-C3	-2.89	121.45	126.20
13	aA	815	CLA	C4C-C3C-C2C	-2.89	102.68	106.89
13	cB	809	CLA	CMB-C2B-C1B	2.89	129.83	125.42
13	cA	823	CLA	O2A-CGA-CBA	2.89	120.66	111.83
13	aA	830	CLA	CHD-C1D-ND	-2.89	120.73	124.80
13	cA	823	CLA	C4B-C3B-C2B	-2.89	103.70	107.30
13	cA	812	CLA	CHC-C1C-C2C	-2.89	118.72	126.95
13	aA	823	CLA	O2A-CGA-CBA	2.89	120.66	111.83
13	bB	809	CLA	CBC-CAC-C3C	-2.89	104.58	112.42
13	aA	814	CLA	CHB-C4A-NA	2.89	128.57	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	842	CLA	CHC-C1C-C2C	-2.89	118.73	126.95
13	aA	816	CLA	CHC-C1C-C2C	-2.89	118.73	126.95
13	cA	806	CLA	CHC-C1C-C2C	-2.89	118.73	126.95
13	bA	844	CLA	C3B-C4B-NB	2.89	113.11	110.53
14	aA	844	PQN	C14-C13-C15	2.89	120.25	115.23
13	cB	814	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
15	bB	835	BCR	C15-C16-C17	-2.89	117.60	123.52
13	dA	842	CLA	CHD-C4C-NC	2.89	128.72	124.23
13	bA	829	CLA	CBC-CAC-C3C	-2.89	104.58	112.42
13	dA	809	CLA	CAC-C3C-C4C	2.89	128.55	124.79
13	aA	828	CLA	O2A-CGA-CBA	2.89	120.65	111.83
13	bA	842	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
13	aA	824	CLA	CHD-C4C-NC	2.89	128.71	124.23
13	cB	812	CLA	CHD-C4C-NC	2.89	128.71	124.23
13	bA	803	CLA	CHC-C1C-C2C	-2.89	118.73	126.95
13	dB	821	CLA	C4C-C3C-C2C	-2.89	102.68	106.89
13	bA	823	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
13	aA	818	CLA	C4B-C3B-C2B	-2.89	103.71	107.30
13	dA	839	CLA	CAC-C3C-C4C	2.89	128.55	124.79
13	dA	803	CLA	CHC-C1C-C2C	-2.89	118.73	126.95
15	cF	202	BCR	C7-C8-C9	-2.89	121.96	126.23
15	aA	848	BCR	C28-C27-C26	-2.89	108.90	114.06
13	bB	821	CLA	C4C-C3C-C2C	-2.89	102.69	106.89
15	aF	202	BCR	C7-C8-C9	-2.89	121.96	126.23
13	aF	204	CLA	CMB-C2B-C1B	2.89	129.82	125.42
13	dB	819	CLA	CHD-C4C-NC	2.89	128.71	124.23
13	cA	815	CLA	C4C-C3C-C2C	-2.89	102.69	106.89
13	cA	828	CLA	O2A-CGA-CBA	2.89	120.64	111.83
13	dA	824	CLA	CBC-CAC-C3C	-2.89	104.59	112.42
13	dB	830	CLA	CHD-C4C-NC	2.89	128.71	124.23
13	dA	843	CLA	C4C-C3C-C2C	-2.89	102.69	106.89
13	dB	826	CLA	C4C-C3C-C2C	-2.89	102.69	106.89
13	cB	814	CLA	O2A-CGA-CBA	2.89	120.64	111.83
13	bF	201	CLA	C4-C3-C5	2.89	119.53	116.13
13	dB	824	CLA	O2A-CGA-CBA	2.89	120.64	111.83
13	bA	844	CLA	CHB-C4A-NA	2.89	128.57	124.40
13	bB	822	CLA	CHB-C4A-NA	2.89	128.57	124.40
13	aA	836	CLA	C4C-C3C-C2C	-2.89	102.69	106.89
13	cA	813	CLA	CHD-C4C-NC	2.89	128.71	124.23
13	dA	805	CLA	CAA-C2A-C3A	-2.88	105.20	113.00
13	dB	810	CLA	C4A-NA-C1A	-2.88	105.36	106.68
13	aA	833	CLA	CAC-C3C-C4C	2.88	128.54	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	813	CLA	CHD-C4C-NC	2.88	128.70	124.23
13	cA	826	CLA	CHD-C4C-NC	2.88	128.70	124.23
13	dA	824	CLA	CHD-C4C-NC	2.88	128.70	124.23
13	bA	815	CLA	CHB-C4A-NA	2.88	128.56	124.40
13	dB	809	CLA	CBC-CAC-C3C	-2.88	104.60	112.42
13	cF	204	CLA	CMB-C2B-C1B	2.88	129.81	125.42
13	dA	829	CLA	CBC-CAC-C3C	-2.88	104.61	112.42
13	aA	842	CLA	C3B-C4B-NB	2.88	113.10	110.53
13	bA	837	CLA	C4B-C3B-C2B	-2.88	103.72	107.30
13	dA	823	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
13	dA	842	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
13	dA	843	CLA	CHB-C4A-NA	2.88	128.56	124.40
13	dB	822	CLA	CHB-C4A-NA	2.88	128.56	124.40
13	bB	815	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
15	bJ	104	BCR	C2-C1-C6	2.88	114.62	110.44
15	cI	101	BCR	C29-C30-C25	2.88	114.62	110.44
13	bA	805	CLA	CAA-C2A-C3A	-2.88	105.21	113.00
13	cA	834	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
13	cA	836	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
13	cB	817	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
13	cA	830	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
13	cB	813	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
13	dB	814	CLA	O2A-CGA-CBA	2.88	120.61	111.83
13	aA	827	CLA	CHC-C1C-C2C	-2.88	118.77	126.95
13	aB	813	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
13	dB	815	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
13	aA	805	CLA	CHC-C1C-C2C	-2.88	118.77	126.95
13	aB	833	CLA	O2A-CGA-CBA	2.88	120.61	111.83
13	cB	830	CLA	CBA-CAA-C2A	-2.88	105.23	113.79
13	bA	824	CLA	CBC-CAC-C3C	-2.88	104.62	112.42
13	cA	824	CLA	CAC-C3C-C4C	2.88	128.53	124.79
13	bB	809	CLA	C3B-C4B-NB	2.88	113.10	110.53
13	bA	824	CLA	CHD-C4C-NC	2.87	128.69	124.23
13	cA	827	CLA	CHC-C1C-C2C	-2.87	118.78	126.95
13	dB	820	CLA	CHC-C1C-C2C	-2.87	118.78	126.95
13	cA	833	CLA	CAC-C3C-C4C	2.87	128.53	124.79
15	cA	847	BCR	C15-C14-C13	-2.87	123.25	127.28
13	cB	828	CLA	CAA-C2A-C3A	-2.87	105.23	113.00
13	cA	803	CLA	C1C-C2C-C3C	-2.87	103.96	106.98
13	aB	804	CLA	CMC-C2C-C1C	2.87	129.53	125.03
13	dB	802	CLA	O2D-CGD-CBD	2.87	116.25	111.23
13	cA	823	CLA	CAC-C3C-C4C	2.87	128.53	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	828	CLA	CAA-C2A-C3A	-2.87	105.23	113.00
13	bB	826	CLA	C4C-C3C-C2C	-2.87	102.71	106.89
13	cL	204	CLA	C4B-C3B-C2B	-2.87	103.73	107.30
13	aB	829	CLA	CAC-C3C-C4C	2.87	128.53	124.79
13	cA	832	CLA	CHC-C1C-C2C	-2.87	118.79	126.95
12	dA	801	CL0	CMA-C3A-C2A	-2.87	103.04	114.13
13	bA	830	CLA	C4C-C3C-C2C	-2.87	102.71	106.89
13	aA	803	CLA	C1C-C2C-C3C	-2.87	103.96	106.98
13	cB	833	CLA	O2A-CGA-CBA	2.87	120.59	111.83
15	aL	205	BCR	C15-C16-C17	-2.87	117.65	123.52
15	bI	102	BCR	C15-C14-C13	-2.87	123.25	127.28
13	cB	814	CLA	C1-C2-C3	-2.87	121.50	126.20
13	aA	832	CLA	CHC-C1C-C2C	-2.87	118.79	126.95
13	cA	808	CLA	CHC-C1C-C2C	-2.87	118.79	126.95
13	aB	831	CLA	CMC-C2C-C1C	2.87	129.52	125.03
15	cA	845	BCR	C15-C16-C17	-2.87	117.65	123.52
15	cL	205	BCR	C15-C16-C17	-2.87	117.65	123.52
13	aB	817	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
13	aB	811	CLA	C4A-NA-C1A	-2.87	105.37	106.68
13	bB	810	CLA	C4A-NA-C1A	-2.87	105.37	106.68
13	aA	823	CLA	CAC-C3C-C4C	2.87	128.52	124.79
12	bA	801	CL0	CMA-C3A-C2A	-2.87	103.05	114.13
13	dA	837	CLA	C4B-C3B-C2B	-2.87	103.73	107.30
13	dA	844	CLA	C4C-C3C-C2C	-2.87	102.72	106.89
13	bB	814	CLA	O2A-CGA-CBA	2.87	120.58	111.83
15	bA	849	BCR	C27-C26-C25	2.87	126.58	122.70
13	bB	815	CLA	CAA-C2A-C3A	-2.87	105.25	113.00
13	dA	815	CLA	CHB-C4A-NA	2.87	128.54	124.40
13	bA	842	CLA	CHD-C4C-NC	2.87	128.68	124.23
13	aA	834	CLA	C4C-C3C-C2C	-2.87	102.72	106.89
13	aB	803	CLA	CMC-C2C-C1C	2.87	129.51	125.03
13	cB	803	CLA	CMC-C2C-C1C	2.87	129.51	125.03
13	aB	829	CLA	CHD-C4C-NC	2.87	128.68	124.23
13	cK	203	CLA	CHD-C4C-NC	2.87	128.68	124.23
13	bB	820	CLA	CHC-C1C-C2C	-2.87	118.80	126.95
13	cA	818	CLA	C4-C3-C5	2.86	120.20	115.23
12	bA	801	CL0	CMB-C2B-C3B	2.86	130.41	124.68
13	aA	826	CLA	CHD-C4C-NC	2.86	128.67	124.23
13	aK	203	CLA	CHD-C4C-NC	2.86	128.67	124.23
13	dB	815	CLA	CAA-C2A-C3A	-2.86	105.26	113.00
13	cA	804	CLA	CAC-C3C-C4C	2.86	128.52	124.79
13	bA	836	CLA	C4C-C3C-C2C	-2.86	102.72	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	838	CLA	C4C-C3C-C2C	-2.86	102.72	106.89
13	cB	809	CLA	C4C-C3C-C2C	-2.86	102.72	106.89
15	dI	102	BCR	C15-C14-C13	-2.86	123.26	127.28
13	cA	805	CLA	CHC-C1C-C2C	-2.86	118.81	126.95
13	bJ	101	CLA	CHD-C4C-NC	2.86	128.67	124.23
15	aI	101	BCR	C29-C30-C25	2.86	114.60	110.44
13	bA	844	CLA	C4C-C3C-C2C	-2.86	102.72	106.89
13	bA	829	CLA	CMB-C2B-C3B	2.86	133.28	126.55
13	dA	808	CLA	CAC-C3C-C4C	2.86	128.51	124.79
13	cB	829	CLA	CAC-C3C-C4C	2.86	128.51	124.79
13	aA	824	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
13	aA	829	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
13	cA	840	CLA	C4-C3-C5	2.86	120.19	115.23
13	cL	204	CLA	C2A-C1A-NA	2.86	117.22	110.21
13	bA	808	CLA	CAC-C3C-C4C	2.86	128.51	124.79
13	dB	802	CLA	CBC-CAC-C3C	-2.86	104.66	112.42
13	aA	818	CLA	C4-C3-C5	2.86	120.19	115.23
13	bF	204	CLA	CAC-C3C-C4C	2.86	128.51	124.79
13	bB	802	CLA	CBC-CAC-C3C	-2.86	104.67	112.42
15	aF	203	BCR	C15-C16-C17	-2.86	117.67	123.52
13	cB	832	CLA	C4B-C3B-C2B	-2.86	103.75	107.30
13	dB	822	CLA	CMA-C3A-C4A	-2.86	104.08	111.77
13	dB	803	CLA	CHD-C4C-NC	2.86	128.67	124.23
13	dA	829	CLA	CMB-C2B-C3B	2.86	133.28	126.55
13	aA	840	CLA	C4-C3-C5	2.86	120.19	115.23
13	dA	830	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
13	dA	844	CLA	O2A-CGA-CBA	2.86	120.55	111.83
15	dJ	104	BCR	C2-C1-C6	2.86	114.59	110.44
13	dA	838	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
13	aA	835	CLA	CAA-C2A-C3A	-2.86	105.28	113.00
13	aB	830	CLA	CBA-CAA-C2A	-2.86	105.29	113.79
15	aA	845	BCR	C15-C16-C17	-2.86	117.67	123.52
13	bB	819	CLA	CHD-C4C-NC	2.86	128.66	124.23
13	aB	809	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
13	bJ	101	CLA	CAC-C3C-C4C	2.86	128.51	124.79
13	bB	822	CLA	CMA-C3A-C4A	-2.86	104.10	111.77
13	bB	823	CLA	O2A-CGA-CBA	2.86	120.54	111.83
13	aB	814	CLA	C1-C2-C3	-2.86	121.52	126.20
13	aA	808	CLA	CHC-C1C-C2C	-2.86	118.83	126.95
13	dA	836	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
13	aL	204	CLA	C2A-C1A-NA	2.86	117.21	110.21
13	cA	835	CLA	C4C-C3C-C2C	-2.85	102.74	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	dA	852	LHG	O8-C23-C24	2.85	120.54	111.83
15	cA	848	BCR	C24-C23-C22	-2.85	122.01	126.23
13	bA	826	CLA	CHC-C1C-C2C	-2.85	118.84	126.95
13	cB	807	CLA	O1D-CGD-CBD	-2.85	118.89	124.52
12	dA	801	CL0	CMB-C2B-C3B	2.85	130.39	124.68
13	cB	829	CLA	CHD-C4C-NC	2.85	128.66	124.23
13	aA	820	CLA	C2A-C3A-C4A	-2.85	97.26	101.87
13	dA	844	CLA	C4B-C3B-C2B	-2.85	103.75	107.30
13	dB	823	CLA	O2A-CGA-CBA	2.85	120.53	111.83
13	bA	818	CLA	O2A-CGA-CBA	2.85	120.53	111.83
13	aA	824	CLA	CAC-C3C-C4C	2.85	128.50	124.79
13	cB	817	CLA	CHC-C1C-C2C	-2.85	118.84	126.95
13	bA	808	CLA	C4C-C3C-C2C	-2.85	102.74	106.89
15	cI	101	BCR	C30-C25-C26	-2.85	118.74	122.64
13	bB	802	CLA	O2D-CGD-CBD	2.85	116.21	111.23
13	dB	817	CLA	C4B-C3B-C2B	-2.85	103.76	107.30
13	bA	844	CLA	O2A-CGA-CBA	2.85	120.53	111.83
15	aB	836	BCR	C27-C26-C25	2.85	126.56	122.70
13	aA	840	CLA	CHD-C4C-NC	2.85	128.65	124.23
13	aB	812	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
13	cB	831	CLA	CMC-C2C-C1C	2.85	129.49	125.03
15	bF	202	BCR	C11-C10-C9	-2.85	123.28	127.28
13	bA	821	CLA	CHB-C4A-NA	2.85	128.51	124.40
15	dA	849	BCR	C27-C26-C25	2.85	126.56	122.70
13	cA	835	CLA	CAA-C2A-C3A	-2.85	105.30	113.00
13	aA	819	CLA	CHC-C1C-C2C	-2.85	118.85	126.95
13	bB	819	CLA	CHB-C4A-NA	2.85	128.51	124.40
13	cA	809	CLA	CHC-C1C-C2C	-2.85	118.85	126.95
13	cA	829	CLA	C4C-C3C-C2C	-2.85	102.75	106.89
13	cA	818	CLA	C1C-C2C-C3C	-2.85	103.98	106.98
13	bB	817	CLA	C4B-C3B-C2B	-2.85	103.76	107.30
13	aB	817	CLA	CHC-C1C-C2C	-2.85	118.85	126.95
13	aA	809	CLA	CHC-C1C-C2C	-2.85	118.86	126.95
13	cA	824	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
13	aA	802	CLA	O2A-CGA-CBA	2.85	120.51	111.83
13	aB	816	CLA	CMB-C2B-C1B	2.85	129.75	125.42
13	aB	804	CLA	CHC-C1C-C2C	-2.85	118.86	126.95
13	bB	819	CLA	CAC-C3C-C4C	2.85	128.49	124.79
13	cA	819	CLA	CHC-C1C-C2C	-2.85	118.86	126.95
13	aB	819	CLA	C4C-C3C-C2C	-2.85	102.75	106.89
13	dA	808	CLA	C4C-C3C-C2C	-2.85	102.75	106.89
13	dB	819	CLA	CHB-C4A-NA	2.85	128.51	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	825	CLA	CMB-C2B-C1B	2.85	129.75	125.42
15	cB	836	BCR	C27-C26-C25	2.85	126.55	122.70
13	dA	826	CLA	CHC-C1C-C2C	-2.85	118.86	126.95
13	cB	833	CLA	CHC-C1C-C2C	-2.84	118.86	126.95
13	cB	821	CLA	CHC-C1C-C2C	-2.84	118.86	126.95
13	aA	817	CLA	C4B-C3B-C2B	-2.84	103.77	107.30
13	aB	830	CLA	C4B-C3B-C2B	-2.84	103.77	107.30
13	aA	823	CLA	CHD-C4C-NC	2.84	128.64	124.23
13	cA	840	CLA	CHD-C4C-NC	2.84	128.64	124.23
13	dB	803	CLA	CHA-C1A-NA	-2.84	119.95	126.39
13	dF	204	CLA	CAC-C3C-C4C	2.84	128.49	124.79
15	aM	101	BCR	C7-C8-C9	-2.84	122.03	126.23
13	bB	803	CLA	CHA-C1A-NA	-2.84	119.95	126.39
15	cF	203	BCR	C15-C16-C17	-2.84	117.70	123.52
13	cB	804	CLA	CMC-C2C-C1C	2.84	129.48	125.03
13	aA	814	CLA	CHC-C1C-C2C	-2.84	118.87	126.95
13	cB	826	CLA	CHC-C1C-C2C	-2.84	118.87	126.95
13	cB	827	CLA	C1C-C2C-C3C	-2.84	103.99	106.98
15	dF	202	BCR	C15-C16-C17	-2.84	117.70	123.52
13	bA	835	CLA	C3B-C4B-NB	2.84	113.07	110.53
13	cA	814	CLA	C1C-C2C-C3C	-2.84	103.99	106.98
13	dA	828	CLA	C1-C2-C3	-2.84	121.54	126.20
13	aB	821	CLA	CHC-C1C-C2C	-2.84	118.87	126.95
13	aB	826	CLA	CHC-C1C-C2C	-2.84	118.87	126.95
13	bB	804	CLA	CHC-C1C-NC	2.84	128.59	124.31
15	cL	205	BCR	C27-C26-C25	2.84	126.54	122.70
13	aA	821	CLA	C4-C3-C5	2.84	120.16	115.23
13	cB	812	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
13	cA	820	CLA	C2A-C3A-C4A	-2.84	97.28	101.87
13	aA	835	CLA	C4C-C3C-C2C	-2.84	102.76	106.89
13	dJ	101	CLA	CHD-C4C-NC	2.84	128.63	124.23
13	aB	817	CLA	C4-C3-C5	2.84	120.16	115.23
13	aA	840	CLA	C4B-C3B-C2B	-2.84	103.77	107.30
13	cA	802	CLA	O2A-CGA-CBA	2.84	120.49	111.83
13	cB	832	CLA	O2A-CGA-CBA	2.84	120.49	111.83
13	cB	820	CLA	C3B-C4B-NB	2.84	113.06	110.53
13	dA	835	CLA	C3B-C4B-NB	2.84	113.06	110.53
13	dA	818	CLA	O2A-CGA-CBA	2.84	120.49	111.83
13	cL	204	CLA	C4C-C3C-C2C	-2.84	102.76	106.89
13	aB	807	CLA	O1D-CGD-CBD	-2.84	118.92	124.52
15	bA	849	BCR	C15-C14-C13	-2.84	123.30	127.28
13	cB	817	CLA	C4-C3-C5	2.84	120.15	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	806	CLA	CMB-C2B-C1B	2.84	129.74	125.42
13	bA	825	CLA	CAC-C3C-C4C	2.84	128.48	124.79
13	cB	819	CLA	C4C-C3C-C2C	-2.84	102.76	106.89
13	aB	829	CLA	C3B-C4B-NB	2.84	113.06	110.53
13	aA	807	CLA	C3C-C4C-NC	2.84	114.06	110.43
15	aL	205	BCR	C27-C26-C25	2.84	126.54	122.70
13	dA	807	CLA	C3B-C4B-NB	2.84	113.06	110.53
16	bA	852	LHG	O8-C23-C24	2.84	120.48	111.83
13	cA	823	CLA	CHD-C4C-NC	2.84	128.63	124.23
13	dA	806	CLA	CMB-C2B-C1B	2.84	129.74	125.42
13	dB	804	CLA	CHC-C1C-NC	2.84	128.58	124.31
13	cB	829	CLA	C3B-C4B-NB	2.84	113.06	110.53
15	aL	205	BCR	C15-C14-C13	-2.84	123.30	127.28
13	aL	202	CLA	CHB-C4A-NA	2.83	128.49	124.40
13	bB	821	CLA	CHC-C1C-C2C	-2.83	118.89	126.95
15	bF	202	BCR	C15-C16-C17	-2.83	117.72	123.52
13	cB	809	CLA	C3B-C4B-NB	2.83	113.06	110.53
13	cA	814	CLA	CHC-C1C-C2C	-2.83	118.89	126.95
13	aB	817	CLA	C4B-C3B-C2B	-2.83	103.78	107.30
15	cJ	103	BCR	C28-C27-C26	-2.83	109.00	114.06
13	cK	201	CLA	CBC-CAC-C3C	-2.83	104.74	112.42
13	aB	832	CLA	C4B-C3B-C2B	-2.83	103.78	107.30
13	bB	803	CLA	CHD-C4C-NC	2.83	128.62	124.23
13	bA	842	CLA	CMB-C2B-C1B	2.83	129.73	125.42
15	aJ	103	BCR	C28-C27-C26	-2.83	109.00	114.06
13	bA	844	CLA	C4B-C3B-C2B	-2.83	103.78	107.30
13	bB	811	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
15	bA	847	BCR	C15-C16-C17	-2.83	117.72	123.52
15	bI	102	BCR	C7-C8-C9	-2.83	122.05	126.23
13	bA	808	CLA	CHC-C1C-C2C	-2.83	118.90	126.95
13	cL	202	CLA	CHB-C4A-NA	2.83	128.49	124.40
13	cA	806	CLA	C4C-C3C-C2C	-2.83	102.77	106.89
13	bA	807	CLA	C3B-C4B-NB	2.83	113.06	110.53
13	cA	842	CLA	C3B-C4B-NB	2.83	113.06	110.53
13	cB	809	CLA	C4B-C3B-C2B	-2.83	103.78	107.30
13	aB	832	CLA	O2A-CGA-CBA	2.83	120.46	111.83
13	cA	804	CLA	CHD-C4C-NC	2.83	128.62	124.23
15	aI	101	BCR	C30-C25-C26	-2.83	118.77	122.64
15	aA	848	BCR	C24-C23-C22	-2.83	122.05	126.23
13	aB	827	CLA	C1C-C2C-C3C	-2.83	104.00	106.98
13	aB	833	CLA	CHC-C1C-C2C	-2.83	118.91	126.95
13	dA	825	CLA	CMC-C2C-C1C	2.83	129.46	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	808	CLA	CHC-C1C-C2C	-2.83	118.91	126.95
15	cM	101	BCR	C7-C8-C9	-2.83	122.05	126.23
13	cB	816	CLA	CMB-C2B-C1B	2.83	129.72	125.42
13	aA	804	CLA	CHD-C4C-NC	2.83	128.62	124.23
13	cB	830	CLA	C4B-C3B-C2B	-2.83	103.79	107.30
13	cB	825	CLA	CMB-C2B-C1B	2.83	129.72	125.42
15	dA	847	BCR	C15-C16-C17	-2.83	117.73	123.52
13	dB	821	CLA	CHC-C1C-C2C	-2.83	118.91	126.95
13	dJ	101	CLA	CAC-C3C-C4C	2.83	128.47	124.79
13	aA	836	CLA	C1-C2-C3	-2.83	121.57	126.20
13	cA	821	CLA	C4-C3-C5	2.83	120.13	115.23
13	aA	827	CLA	C3B-C4B-NB	2.83	113.05	110.53
15	dJ	104	BCR	C7-C8-C9	-2.83	122.05	126.23
13	aB	830	CLA	CAC-C3C-C4C	2.83	128.47	124.79
13	aA	806	CLA	C4C-C3C-C2C	-2.83	102.78	106.89
13	cA	807	CLA	C3C-C4C-NC	2.83	114.05	110.43
15	cJ	102	BCR	C27-C26-C25	2.83	126.52	122.70
13	bA	842	CLA	CAC-C3C-C4C	2.83	128.47	124.79
15	dA	849	BCR	C15-C14-C13	-2.83	123.32	127.28
13	dA	827	CLA	CMB-C2B-C1B	2.82	129.72	125.42
13	bA	825	CLA	CMC-C2C-C1C	2.82	129.45	125.03
13	cA	817	CLA	CAC-C3C-C4C	2.82	128.47	124.79
13	dB	819	CLA	CAC-C3C-C4C	2.82	128.47	124.79
13	dA	821	CLA	CHD-C4C-NC	2.82	128.61	124.23
13	aA	804	CLA	CAC-C3C-C4C	2.82	128.46	124.79
13	cB	804	CLA	CHC-C1C-C2C	-2.82	118.92	126.95
13	bA	805	CLA	CBC-CAC-C3C	-2.82	104.77	112.42
14	cA	844	PQN	C16-C15-C13	-2.82	106.59	113.47
13	aK	201	CLA	CBC-CAC-C3C	-2.82	104.77	112.42
13	dA	805	CLA	CBC-CAC-C3C	-2.82	104.77	112.42
13	dB	810	CLA	O2A-CGA-CBA	2.82	120.44	111.83
13	cA	817	CLA	C4B-C3B-C2B	-2.82	103.79	107.30
13	cA	838	CLA	C4C-C3C-C2C	-2.82	102.78	106.89
13	cB	815	CLA	C4C-C3C-C2C	-2.82	102.78	106.89
13	bB	810	CLA	O2A-CGA-CBA	2.82	120.44	111.83
13	aA	838	CLA	C4C-C3C-C2C	-2.82	102.78	106.89
13	bA	842	CLA	C1-C2-C3	-2.82	121.57	126.20
13	cB	824	CLA	O2A-CGA-CBA	2.82	120.44	111.83
13	bA	836	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
13	aA	818	CLA	C1C-C2C-C3C	-2.82	104.01	106.98
13	cB	808	CLA	O1D-CGD-CBD	-2.82	118.96	124.52
14	aA	844	PQN	C16-C15-C13	-2.82	106.60	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	813	CLA	C4C-C3C-C2C	-2.82	102.79	106.89
13	bA	828	CLA	C1-C2-C3	-2.82	121.58	126.20
13	aB	820	CLA	CHD-C4C-NC	2.82	128.60	124.23
13	dB	802	CLA	C4A-NA-C1A	-2.82	105.39	106.68
13	dA	821	CLA	CHB-C4A-NA	2.82	128.47	124.40
13	cB	801	CLA	CAA-C2A-C3A	-2.82	105.38	113.00
13	aB	801	CLA	CAA-C2A-C3A	-2.82	105.38	113.00
13	dB	811	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
13	aA	833	CLA	C4B-C3B-C2B	-2.82	103.80	107.30
13	aA	811	CLA	CAC-C3C-C4C	2.82	128.46	124.79
13	bA	824	CLA	O2A-CGA-CBA	2.82	120.43	111.83
15	bI	101	BCR	C27-C26-C25	2.82	126.51	122.70
13	cA	829	CLA	C3B-C4B-NB	2.82	113.05	110.53
15	aJ	102	BCR	C27-C26-C25	2.82	126.51	122.70
15	bI	102	BCR	C11-C10-C9	-2.82	123.33	127.28
13	aB	812	CLA	C4B-C3B-C2B	-2.82	103.80	107.30
13	dB	832	CLA	C1-C2-C3	-2.82	121.58	126.20
13	dA	842	CLA	CMB-C2B-C1B	2.82	129.71	125.42
13	aB	809	CLA	C4B-C3B-C2B	-2.82	103.80	107.30
13	aA	817	CLA	CAC-C3C-C4C	2.82	128.45	124.79
13	bB	830	CLA	C4B-C3B-C2B	-2.81	103.80	107.30
13	dA	825	CLA	CAC-C3C-C4C	2.81	128.45	124.79
13	cB	820	CLA	CHD-C4C-NC	2.81	128.59	124.23
13	bA	803	CLA	C1C-C2C-C3C	-2.81	104.02	106.98
13	dA	836	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
13	aL	204	CLA	C4C-C3C-C2C	-2.81	102.80	106.89
15	bJ	104	BCR	C7-C8-C9	-2.81	122.07	126.23
15	dI	102	BCR	C11-C10-C9	-2.81	123.33	127.28
15	dJ	102	BCR	C27-C26-C25	2.81	126.51	122.70
13	aA	812	CLA	C4B-C3B-C2B	-2.81	103.80	107.30
13	cA	812	CLA	C4B-C3B-C2B	-2.81	103.80	107.30
13	bA	813	CLA	C4C-C3C-C2C	-2.81	102.80	106.89
13	bB	814	CLA	C4C-C3C-C2C	-2.81	102.80	106.89
13	aB	808	CLA	O1D-CGD-CBD	-2.81	118.97	124.52
13	aB	814	CLA	C3B-C4B-NB	2.81	113.04	110.53
15	dI	102	BCR	C7-C8-C9	-2.81	122.07	126.23
13	cA	833	CLA	C4B-C3B-C2B	-2.81	103.81	107.30
13	dB	804	CLA	C4B-C3B-C2B	-2.81	103.81	107.30
13	dB	830	CLA	C4B-C3B-C2B	-2.81	103.81	107.30
13	aB	816	CLA	C4C-C3C-C2C	-2.81	102.80	106.89
13	aB	822	CLA	C4B-C3B-C2B	-2.81	103.81	107.30
13	aB	815	CLA	C4C-C3C-C2C	-2.81	102.80	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	822	CLA	C4C-C3C-C2C	-2.81	102.80	106.89
13	aB	824	CLA	O2A-CGA-CBA	2.81	120.41	111.83
13	cB	833	CLA	C4C-C3C-C2C	-2.81	102.80	106.89
13	bA	827	CLA	CMB-C2B-C1B	2.81	129.70	125.42
13	cA	836	CLA	C1-C2-C3	-2.81	121.59	126.20
13	bB	832	CLA	C1-C2-C3	-2.81	121.59	126.20
13	dB	814	CLA	C4C-C3C-C2C	-2.81	102.80	106.89
13	aB	809	CLA	C3B-C4B-NB	2.81	113.04	110.53
13	dA	842	CLA	CHC-C1C-C2C	-2.81	118.97	126.95
13	cA	817	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
15	bA	849	BCR	C15-C16-C17	-2.81	117.77	123.52
13	bB	809	CLA	CMB-C2B-C1B	2.81	129.69	125.42
13	dL	202	CLA	C3B-C4B-NB	2.81	113.04	110.53
15	bJ	102	BCR	C27-C26-C25	2.81	126.50	122.70
13	dA	820	CLA	O2A-CGA-CBA	2.81	120.39	111.83
13	cB	812	CLA	C4B-C3B-C2B	-2.81	103.81	107.30
13	bB	804	CLA	CHD-C1D-ND	-2.81	120.85	124.80
13	cB	824	CLA	C4C-C3C-C2C	-2.81	102.81	106.89
13	cA	840	CLA	C4B-C3B-C2B	-2.81	103.81	107.30
13	dB	824	CLA	O2D-CGD-CBD	2.81	116.14	111.23
13	aB	813	CLA	CMB-C2B-C1B	2.81	129.69	125.42
13	bA	805	CLA	CMC-C2C-C1C	2.81	129.42	125.03
15	cL	205	BCR	C15-C14-C13	-2.81	123.34	127.28
13	dA	822	CLA	C4B-C3B-C2B	-2.80	103.81	107.30
15	bM	101	BCR	C27-C26-C25	2.80	126.49	122.70
13	cB	817	CLA	C4B-C3B-C2B	-2.80	103.81	107.30
13	cA	832	CLA	CMC-C2C-C1C	2.80	129.42	125.03
13	aA	840	CLA	CAC-C3C-C4C	2.80	128.44	124.79
13	dB	820	CLA	CHD-C4C-NC	2.80	128.58	124.23
13	aA	826	CLA	C4-C3-C5	2.80	120.09	115.23
13	aB	820	CLA	C3B-C4B-NB	2.80	113.03	110.53
13	bA	821	CLA	CHD-C4C-NC	2.80	128.58	124.23
13	aA	817	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
13	dA	837	CLA	C4C-C3C-C2C	-2.80	102.81	106.89
13	bA	822	CLA	C4B-C3B-C2B	-2.80	103.82	107.30
13	cB	818	CLA	C4B-C3B-C2B	-2.80	103.82	107.30
13	bA	840	CLA	C3B-C4B-NB	2.80	113.03	110.53
13	cB	830	CLA	CAC-C3C-C4C	2.80	128.44	124.79
13	dA	824	CLA	O2A-CGA-CBA	2.80	120.38	111.83
13	bA	830	CLA	C4B-C3B-C2B	-2.80	103.82	107.30
13	dB	822	CLA	C4B-C3B-C2B	-2.80	103.82	107.30
15	dA	849	BCR	C15-C16-C17	-2.80	117.79	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	bA	850	BCR	C11-C10-C9	-2.80	123.35	127.28
13	dA	842	CLA	CAC-C3C-C4C	2.80	128.43	124.79
13	aB	833	CLA	C4C-C3C-C2C	-2.80	102.81	106.89
13	bA	837	CLA	C4C-C3C-C2C	-2.80	102.81	106.89
13	dA	822	CLA	C4C-C3C-C2C	-2.80	102.81	106.89
15	dI	101	BCR	C27-C26-C25	2.80	126.49	122.70
13	bB	802	CLA	CAA-C2A-C3A	-2.80	105.43	113.00
13	dB	802	CLA	CAA-C2A-C3A	-2.80	105.43	113.00
13	cB	814	CLA	C3B-C4B-NB	2.80	113.03	110.53
13	aB	818	CLA	C4B-C3B-C2B	-2.80	103.82	107.30
13	dA	816	CLA	CGD-CBD-CAD	-2.80	101.78	110.85
13	bA	842	CLA	CHC-C1C-C2C	-2.80	118.99	126.95
13	aA	814	CLA	C1C-C2C-C3C	-2.80	104.04	106.98
15	dM	101	BCR	C27-C26-C25	2.80	126.49	122.70
13	bB	827	CLA	C4C-C3C-C2C	-2.80	102.82	106.89
15	aF	203	BCR	C11-C10-C9	-2.80	123.35	127.28
15	dA	850	BCR	C11-C10-C9	-2.80	123.35	127.28
13	cA	833	CLA	CHD-C4C-NC	2.80	128.57	124.23
13	bB	822	CLA	C4B-C3B-C2B	-2.80	103.82	107.30
15	cF	203	BCR	C11-C10-C9	-2.80	123.36	127.28
13	bF	204	CLA	C4C-C3C-C2C	-2.80	102.82	106.89
13	aA	833	CLA	CHD-C4C-NC	2.79	128.56	124.23
13	aB	832	CLA	CHD-C4C-NC	2.79	128.56	124.23
13	cA	827	CLA	C3B-C4B-NB	2.79	113.03	110.53
13	dB	812	CLA	CHB-C4A-NA	2.79	128.43	124.40
13	aA	833	CLA	C4C-C3C-C2C	-2.79	102.82	106.89
13	dB	822	CLA	C4C-C3C-C2C	-2.79	102.82	106.89
13	cB	832	CLA	CHD-C4C-NC	2.79	128.56	124.23
13	dA	805	CLA	CMC-C2C-C1C	2.79	129.40	125.03
13	bB	804	CLA	C4B-C3B-C2B	-2.79	103.83	107.30
13	cB	822	CLA	C4B-C3B-C2B	-2.79	103.83	107.30
13	cB	816	CLA	C4C-C3C-C2C	-2.79	102.83	106.89
15	aA	846	BCR	C30-C25-C26	-2.79	118.82	122.64
13	cA	811	CLA	CAC-C3C-C4C	2.79	128.42	124.79
13	aL	202	CLA	C4B-C3B-C2B	-2.79	103.83	107.30
13	bA	820	CLA	O2A-CGA-CBA	2.79	120.35	111.83
13	bA	816	CLA	CGD-CBD-CAD	-2.79	101.81	110.85
13	cA	802	CLA	C4C-C3C-C2C	-2.79	102.83	106.89
13	cA	806	CLA	C4B-C3B-C2B	-2.79	103.83	107.30
13	cB	813	CLA	CMB-C2B-C1B	2.79	129.67	125.42
13	dB	804	CLA	CHD-C1D-ND	-2.79	120.88	124.80
13	dA	803	CLA	C1C-C2C-C3C	-2.79	104.05	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	824	CLA	O2D-CGD-CBD	2.79	116.11	111.23
13	cA	831	CLA	C1-C2-C3	-2.79	121.63	126.20
13	aA	824	CLA	CBC-CAC-C3C	-2.79	104.86	112.42
13	dA	842	CLA	C1-C2-C3	-2.79	121.63	126.20
13	dB	830	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
13	aL	203	CLA	CAA-C2A-C3A	-2.79	105.46	113.00
13	cB	826	CLA	O2A-CGA-CBA	2.79	120.34	111.83
13	cB	818	CLA	CAA-C2A-C3A	-2.79	105.46	113.00
13	dB	809	CLA	CMB-C2B-C1B	2.79	129.66	125.42
13	cB	809	CLA	O2A-CGA-CBA	2.79	120.34	111.83
12	aA	801	CL0	C4C-C3C-C2C	-2.79	102.36	113.37
13	aB	826	CLA	C3B-C4B-NB	2.79	113.02	110.53
13	dB	831	CLA	C4B-C3B-C2B	-2.79	103.83	107.30
15	aJ	103	BCR	C15-C14-C13	-2.79	123.37	127.28
13	aA	840	CLA	O2A-CGA-CBA	2.79	120.33	111.83
13	aB	809	CLA	O2A-CGA-CBA	2.79	120.33	111.83
13	cL	202	CLA	C4B-C3B-C2B	-2.79	103.84	107.30
12	cA	801	CL0	C4C-C3C-C2C	-2.79	102.36	113.37
13	cL	203	CLA	CBC-CAC-C3C	-2.79	104.87	112.42
13	cA	840	CLA	O2A-CGA-CBA	2.79	120.33	111.83
13	aA	832	CLA	CHD-C4C-NC	2.79	128.55	124.23
13	bA	803	CLA	CHD-C4C-NC	2.79	128.55	124.23
13	dB	822	CLA	CHD-C4C-NC	2.79	128.55	124.23
13	aB	818	CLA	CAA-C2A-C3A	-2.79	105.47	113.00
13	aL	203	CLA	CBC-CAC-C3C	-2.79	104.87	112.42
13	cB	812	CLA	CHC-C1C-C2C	-2.78	119.03	126.95
15	cK	202	BCR	C29-C30-C25	2.78	114.48	110.44
13	cL	203	CLA	CAA-C2A-C3A	-2.78	105.47	113.00
15	cF	203	BCR	C40-C30-C25	2.78	114.61	110.24
13	dB	807	CLA	C4B-C3B-C2B	-2.78	103.84	107.30
13	cA	824	CLA	CBC-CAC-C3C	-2.78	104.88	112.42
13	dA	817	CLA	CBC-CAC-C3C	-2.78	104.88	112.42
13	cA	806	CLA	C4-C3-C5	2.78	120.06	115.23
13	bB	820	CLA	CHD-C4C-NC	2.78	128.55	124.23
13	aB	812	CLA	CHC-C1C-C2C	-2.78	119.04	126.95
16	aA	850	LHG	O8-C23-O10	-2.78	116.67	123.63
13	aA	816	CLA	CHB-C4A-NA	2.78	128.41	124.40
13	cA	816	CLA	CHB-C4A-NA	2.78	128.41	124.40
13	aA	829	CLA	C3B-C4B-NB	2.78	113.01	110.53
13	cA	832	CLA	CHD-C4C-NC	2.78	128.54	124.23
13	aA	813	CLA	O2A-CGA-CBA	2.78	120.31	111.83
13	bA	838	CLA	C4B-C3B-C2B	-2.78	103.84	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	837	CLA	CAC-C3C-C4C	2.78	128.41	124.79
15	cJ	103	BCR	C15-C14-C13	-2.78	123.38	127.28
13	cA	840	CLA	CAC-C3C-C4C	2.78	128.41	124.79
13	dB	827	CLA	C4C-C3C-C2C	-2.78	102.85	106.89
13	dF	204	CLA	C4C-C3C-C2C	-2.78	102.85	106.89
13	aA	831	CLA	C1-C2-C3	-2.78	121.64	126.20
13	cF	204	CLA	C4B-C3B-C2B	-2.78	103.85	107.30
13	aB	826	CLA	O2A-CGA-CBA	2.78	120.31	111.83
15	cA	846	BCR	C30-C25-C26	-2.78	118.84	122.64
13	bB	807	CLA	C4B-C3B-C2B	-2.78	103.85	107.30
13	dA	830	CLA	C4B-C3B-C2B	-2.78	103.85	107.30
13	dB	825	CLA	O2A-CGA-CBA	2.78	120.30	111.83
13	cA	826	CLA	C4-C3-C5	2.78	120.05	115.23
13	aA	832	CLA	CMC-C2C-C1C	2.78	129.37	125.03
13	aB	824	CLA	C4C-C3C-C2C	-2.78	102.85	106.89
13	dL	202	CLA	C4C-C3C-C2C	-2.78	102.85	106.89
13	bL	202	CLA	C3B-C4B-NB	2.78	113.01	110.53
13	bB	822	CLA	C4C-C3C-C2C	-2.78	102.85	106.89
13	aA	834	CLA	CMA-C3A-C2A	-2.78	103.25	113.98
13	dA	814	CLA	CAA-C2A-C3A	-2.78	105.50	113.00
13	cB	811	CLA	C4A-NA-C1A	-2.77	105.41	106.68
13	dB	812	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
13	dB	820	CLA	C3B-C4B-NB	2.77	113.01	110.53
13	aF	204	CLA	C4B-C3B-C2B	-2.77	103.85	107.30
13	cA	834	CLA	C4B-C3B-C2B	-2.77	103.85	107.30
13	dB	813	CLA	O2A-CGA-CBA	2.77	120.29	111.83
13	bA	841	CLA	CHC-C1C-C2C	-2.77	119.06	126.95
13	bL	202	CLA	C4C-C3C-C2C	-2.77	102.85	106.89
13	dF	201	CLA	CHD-C4C-NC	2.77	128.53	124.23
15	aA	846	BCR	C27-C26-C25	2.77	126.45	122.70
13	bB	830	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
15	bB	835	BCR	C27-C26-C25	2.77	126.45	122.70
13	bA	817	CLA	CBC-CAC-C3C	-2.77	104.90	112.42
13	cA	813	CLA	O2A-CGA-CBA	2.77	120.29	111.83
13	aA	826	CLA	CHC-C1C-C2C	-2.77	119.07	126.95
13	cA	826	CLA	C4B-C3B-C2B	-2.77	103.86	107.30
13	aA	815	CLA	CBC-CAC-C3C	-2.77	104.91	112.42
13	dA	825	CLA	CHD-C4C-NC	2.77	128.53	124.23
13	aB	821	CLA	C1-C2-C3	-2.77	121.66	126.20
13	aA	829	CLA	CAC-C3C-C4C	2.77	128.40	124.79
13	bB	825	CLA	O2A-CGA-CBA	2.77	120.28	111.83
13	bB	831	CLA	C4B-C3B-C2B	-2.77	103.86	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	822	CLA	CHD-C4C-NC	2.77	128.53	124.23
13	aA	806	CLA	C4-C3-C5	2.77	120.04	115.23
15	bA	846	BCR	C11-C10-C9	-2.77	123.39	127.28
13	bB	812	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
13	aA	839	CLA	CAA-C2A-C3A	-2.77	105.51	113.00
13	bA	825	CLA	CHD-C4C-NC	2.77	128.53	124.23
16	cA	851	LHG	O8-C23-C24	2.77	119.56	111.15
13	aA	834	CLA	C4B-C3B-C2B	-2.77	103.86	107.30
13	aB	825	CLA	CAC-C3C-C4C	2.77	128.39	124.79
13	cA	815	CLA	CBC-CAC-C3C	-2.77	104.92	112.42
13	bA	803	CLA	CAC-C3C-C4C	2.77	128.39	124.79
13	cA	834	CLA	CMA-C3A-C2A	-2.77	103.28	113.98
13	aL	203	CLA	C4C-C3C-C2C	-2.77	102.86	106.89
16	aA	851	LHG	O8-C23-C24	2.77	119.55	111.15
15	dA	846	BCR	C11-C10-C9	-2.77	123.40	127.28
13	cA	839	CLA	CAA-C2A-C3A	-2.77	105.52	113.00
13	bA	841	CLA	CMC-C2C-C1C	2.77	129.36	125.03
13	bB	802	CLA	C4A-NA-C1A	-2.77	105.42	106.68
13	bA	833	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
13	cB	826	CLA	C3B-C4B-NB	2.77	113.00	110.53
15	dA	848	BCR	C40-C30-C25	2.77	114.58	110.24
13	dA	838	CLA	C4B-C3B-C2B	-2.77	103.86	107.30
15	cA	846	BCR	C27-C26-C25	2.77	126.44	122.70
13	cA	837	CLA	CAC-C3C-C4C	2.77	128.39	124.79
13	cA	811	CLA	CAA-C2A-C3A	-2.77	105.53	113.00
13	cL	203	CLA	C4C-C3C-C2C	-2.76	102.87	106.89
13	bA	814	CLA	CAA-C2A-C3A	-2.76	105.53	113.00
13	bA	814	CLA	C3B-C4B-NB	2.76	113.00	110.53
13	aB	831	CLA	CHC-C1C-C2C	-2.76	119.09	126.95
13	aA	802	CLA	C4C-C3C-C2C	-2.76	102.87	106.89
13	bF	201	CLA	CHD-C4C-NC	2.76	128.52	124.23
13	dA	841	CLA	CHC-C1C-C2C	-2.76	119.10	126.95
13	aA	839	CLA	CHD-C4C-NC	2.76	128.51	124.23
15	aM	101	BCR	C15-C14-C13	-2.76	123.40	127.28
13	dB	805	CLA	C4C-C3C-C2C	-2.76	102.87	106.89
13	dA	841	CLA	CMC-C2C-C1C	2.76	129.35	125.03
13	aA	818	CLA	CMB-C2B-C1B	2.76	129.62	125.42
13	bB	820	CLA	C3B-C4B-NB	2.76	113.00	110.53
13	aB	823	CLA	O2A-CGA-CBA	2.76	120.25	111.83
13	dA	803	CLA	CHD-C4C-NC	2.76	128.51	124.23
13	bB	812	CLA	CHB-C4A-NA	2.76	128.38	124.40
13	cB	828	CLA	C4C-C3C-C2C	-2.76	102.88	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	824	CLA	C4C-C3C-C2C	-2.76	102.88	106.89
16	cA	850	LHG	O8-C23-O10	-2.76	116.73	123.63
13	bB	813	CLA	O2A-CGA-CBA	2.76	120.25	111.83
15	aK	202	BCR	C29-C30-C25	2.76	114.45	110.44
13	bA	809	CLA	CHD-C4C-NC	2.76	128.51	124.23
13	aB	828	CLA	C4C-C3C-C2C	-2.76	102.88	106.89
13	cB	825	CLA	CAC-C3C-C4C	2.76	128.38	124.79
13	aA	811	CLA	CAA-C2A-C3A	-2.76	105.55	113.00
13	cB	831	CLA	CHC-C1C-C2C	-2.76	119.11	126.95
13	aA	809	CLA	C4B-C3B-C2B	-2.76	103.87	107.30
15	aJ	104	BCR	C15-C16-C17	-2.76	117.88	123.52
15	aF	203	BCR	C40-C30-C25	2.76	114.56	110.24
13	aA	826	CLA	C4B-C3B-C2B	-2.76	103.88	107.30
13	cA	813	CLA	C4B-C3B-C2B	-2.76	103.88	107.30
13	cA	833	CLA	C4C-C3C-C2C	-2.76	102.88	106.89
13	dB	813	CLA	C4-C3-C5	2.75	120.01	115.23
13	dA	811	CLA	O1D-CGD-CBD	-2.75	119.08	124.52
13	dA	805	CLA	CHC-C1C-C2C	-2.75	119.12	126.95
13	bB	819	CLA	CBC-CAC-C3C	-2.75	104.95	112.42
13	dA	833	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
13	dB	819	CLA	CBC-CAC-C3C	-2.75	104.96	112.42
13	bB	805	CLA	C4C-C3C-C2C	-2.75	102.89	106.89
13	cB	806	CLA	C4C-C3C-C2C	-2.75	102.89	106.89
13	cB	826	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
13	cA	809	CLA	C4B-C3B-C2B	-2.75	103.88	107.30
13	aB	826	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
13	aA	842	CLA	C4B-C3B-C2B	-2.75	103.88	107.30
13	dB	806	CLA	C4B-C3B-C2B	-2.75	103.88	107.30
13	dA	809	CLA	CHD-C4C-NC	2.75	128.50	124.23
13	aB	804	CLA	CHD-C1D-ND	-2.75	120.93	124.80
15	cM	101	BCR	C15-C14-C13	-2.75	123.42	127.28
13	cB	820	CLA	CHB-C4A-NA	2.75	128.37	124.40
13	bB	806	CLA	C4B-C3B-C2B	-2.75	103.88	107.30
13	cA	826	CLA	CHC-C1C-C2C	-2.75	119.14	126.95
13	aB	815	CLA	CHD-C4C-NC	2.75	128.49	124.23
13	cL	204	CLA	CMA-C3A-C2A	-2.75	109.93	116.23
13	bB	813	CLA	C4-C3-C5	2.75	120.00	115.23
13	dA	818	CLA	CMB-C2B-C1B	2.75	129.60	125.42
13	aB	806	CLA	C4C-C3C-C2C	-2.75	102.89	106.89
13	bA	805	CLA	CHC-C1C-C2C	-2.75	119.14	126.95
13	cB	821	CLA	C1-C2-C3	-2.75	121.70	126.20
13	aL	204	CLA	CMA-C3A-C2A	-2.75	109.93	116.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	806	CLA	C4B-C3B-C2B	-2.75	103.89	107.30
13	dA	803	CLA	CAC-C3C-C4C	2.74	128.36	124.79
13	aL	203	CLA	CHC-C1C-C2C	-2.74	119.15	126.95
13	bA	811	CLA	O1D-CGD-CBD	-2.74	119.11	124.52
13	cJ	101	CLA	CHD-C4C-NC	2.74	128.49	124.23
13	cB	823	CLA	O2A-CGA-CBA	2.74	120.20	111.83
13	cA	839	CLA	CHD-C4C-NC	2.74	128.48	124.23
13	bA	818	CLA	CMB-C2B-C1B	2.74	129.59	125.42
13	cA	829	CLA	CAC-C3C-C4C	2.74	128.36	124.79
13	cA	838	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
13	aA	818	CLA	CAA-C2A-C3A	-2.74	105.59	113.00
15	bA	848	BCR	C40-C30-C25	2.74	114.54	110.24
13	aA	808	CLA	C4C-C3C-C2C	-2.74	102.90	106.89
13	dA	840	CLA	C3B-C4B-NB	2.74	112.98	110.53
15	cJ	104	BCR	C15-C16-C17	-2.74	117.91	123.52
13	aB	817	CLA	C4C-C3C-C2C	-2.74	102.90	106.89
13	aB	828	CLA	CMB-C2B-C1B	2.74	129.59	125.42
13	cA	818	CLA	CAA-C2A-C3A	-2.74	105.59	113.00
13	bA	831	CLA	C4-C3-C5	2.74	119.98	115.23
13	bB	824	CLA	C4C-C3C-C2C	-2.74	102.90	106.89
13	aA	825	CLA	C4B-C3B-C2B	-2.74	103.90	107.30
15	dB	835	BCR	C27-C26-C25	2.74	126.41	122.70
13	aA	810	CLA	CAC-C3C-C4C	2.74	128.35	124.79
13	aA	838	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
13	cB	831	CLA	CMB-C2B-C1B	2.74	129.59	125.42
13	dB	818	CLA	C4C-C3C-C2C	-2.74	102.91	106.89
13	cB	815	CLA	CHD-C4C-NC	2.73	128.47	124.23
13	cA	818	CLA	CMB-C2B-C1B	2.73	129.58	125.42
13	dA	843	CLA	O2A-CGA-CBA	2.73	120.17	111.83
13	cL	203	CLA	CHC-C1C-C2C	-2.73	119.18	126.95
13	bB	818	CLA	C3B-C4B-NB	2.73	112.97	110.53
13	bB	827	CLA	CHB-C4A-NA	2.73	128.34	124.40
13	dB	803	CLA	C4B-C3B-C2B	-2.73	103.90	107.30
13	bB	832	CLA	C4C-C3C-C2C	-2.73	102.91	106.89
13	dB	832	CLA	C4C-C3C-C2C	-2.73	102.91	106.89
13	bA	814	CLA	CGD-CBD-CAD	-2.73	102.00	110.85
13	bA	806	CLA	C1-C2-C3	-2.73	121.72	126.20
13	cF	201	CLA	CAC-C3C-C4C	2.73	128.34	124.79
13	cA	804	CLA	CAA-C2A-C3A	-2.73	105.62	113.00
13	bA	843	CLA	O2A-CGA-CBA	2.73	120.16	111.83
13	dA	814	CLA	C3B-C4B-NB	2.73	112.97	110.53
13	dA	821	CLA	O1D-CGD-CBD	-2.73	119.14	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	840	CLA	CHD-C4C-NC	2.73	128.46	124.23
13	cA	825	CLA	C4B-C3B-C2B	-2.73	103.91	107.30
13	aA	842	CLA	CHD-C4C-NC	2.73	128.46	124.23
13	cB	817	CLA	C4C-C3C-C2C	-2.73	102.92	106.89
13	cB	814	CLA	CHC-C1C-C2C	-2.73	119.19	126.95
15	bJ	103	BCR	C11-C10-C9	-2.73	123.45	127.28
13	bA	835	CLA	C4C-C3C-C2C	-2.73	102.92	106.89
13	dB	818	CLA	C3B-C4B-NB	2.73	112.97	110.53
13	dB	827	CLA	CHB-C4A-NA	2.73	128.34	124.40
13	aA	833	CLA	CBC-CAC-C3C	-2.73	105.03	112.42
13	dA	814	CLA	CGD-CBD-CAD	-2.73	102.02	110.85
13	aF	201	CLA	CAC-C3C-C4C	2.73	128.34	124.79
15	cI	101	BCR	C15-C14-C13	-2.73	123.45	127.28
13	aB	820	CLA	CHB-C4A-NA	2.73	128.33	124.40
13	dA	804	CLA	CHB-C4A-NA	2.73	128.33	124.40
13	cA	808	CLA	C4C-C3C-C2C	-2.73	102.92	106.89
13	cA	810	CLA	CAC-C3C-C4C	2.73	128.34	124.79
13	aA	813	CLA	C4B-C3B-C2B	-2.72	103.91	107.30
13	cA	833	CLA	CBC-CAC-C3C	-2.72	105.03	112.42
13	bA	821	CLA	O1D-CGD-CBD	-2.72	119.14	124.52
13	aB	814	CLA	CHC-C1C-C2C	-2.72	119.21	126.95
13	bA	826	CLA	O2A-CGA-CBA	2.72	120.14	111.83
13	cB	804	CLA	CHD-C1D-ND	-2.72	120.97	124.80
13	bB	826	CLA	CAC-C3C-C4C	2.72	128.33	124.79
13	bB	818	CLA	C4C-C3C-C2C	-2.72	102.93	106.89
13	dB	830	CLA	O2A-CGA-CBA	2.72	120.14	111.83
13	dA	826	CLA	O2A-CGA-CBA	2.72	120.14	111.83
13	cA	832	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
13	bA	804	CLA	CHB-C4A-NA	2.72	128.33	124.40
15	cL	201	BCR	C15-C16-C17	-2.72	117.95	123.52
15	aI	101	BCR	C15-C14-C13	-2.72	123.46	127.28
13	dA	831	CLA	C4-C3-C5	2.72	119.95	115.23
13	aJ	101	CLA	CHD-C4C-NC	2.72	128.45	124.23
13	cA	842	CLA	C4B-C3B-C2B	-2.72	103.92	107.30
13	cB	819	CLA	C4B-C3B-C2B	-2.72	103.92	107.30
13	cB	828	CLA	CMB-C2B-C1B	2.72	129.56	125.42
13	aB	826	CLA	CHD-C4C-NC	2.72	128.45	124.23
13	aK	203	CLA	CAC-C3C-C4C	2.72	128.33	124.79
13	bB	830	CLA	O2A-CGA-CBA	2.72	120.12	111.83
13	dA	826	CLA	C4B-C3B-C2B	-2.72	103.92	107.30
13	cA	805	CLA	C4C-C3C-C2C	-2.72	102.94	106.89
13	bB	802	CLA	CHD-C4C-NC	2.72	128.44	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	840	CLA	CHD-C4C-NC	2.72	128.44	124.23
13	aA	817	CLA	CMB-C2B-C1B	2.72	129.56	125.42
13	dB	826	CLA	CAC-C3C-C4C	2.72	128.32	124.79
13	aB	821	CLA	C4B-C3B-C2B	-2.72	103.92	107.30
13	dB	802	CLA	CHD-C4C-NC	2.72	128.44	124.23
13	aA	804	CLA	CAA-C2A-C3A	-2.72	105.66	113.00
13	dA	835	CLA	C4C-C3C-C2C	-2.72	102.94	106.89
15	cL	201	BCR	C27-C26-C25	2.72	126.37	122.70
13	aA	831	CLA	CHD-C4C-NC	2.71	128.44	124.23
13	dA	824	CLA	O2D-CGD-O1D	-2.71	118.56	123.85
15	cI	101	BCR	C15-C16-C17	-2.71	117.97	123.52
13	aB	831	CLA	CMB-C2B-C1B	2.71	129.55	125.42
13	cK	203	CLA	CAC-C3C-C4C	2.71	128.32	124.79
13	cB	826	CLA	CHD-C4C-NC	2.71	128.44	124.23
13	bA	824	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
13	dA	806	CLA	C1-C2-C3	-2.71	121.75	126.20
13	cA	831	CLA	CHD-C4C-NC	2.71	128.44	124.23
13	dA	826	CLA	CHD-C1D-ND	-2.71	120.99	124.80
13	cB	818	CLA	C4C-C3C-C2C	-2.71	102.95	106.89
13	cA	822	CLA	C1-C2-C3	-2.71	121.76	126.20
13	cA	826	CLA	C1-C2-C3	-2.71	121.76	126.20
13	aA	826	CLA	C1-C2-C3	-2.71	121.76	126.20
13	aA	819	CLA	CHD-C4C-NC	2.71	128.43	124.23
13	cB	813	CLA	CHD-C4C-NC	2.71	128.43	124.23
13	bA	826	CLA	CHD-C1D-ND	-2.71	120.99	124.80
13	bA	819	CLA	O2A-CGA-CBA	2.71	120.09	111.83
13	dB	817	CLA	O2A-CGA-CBA	2.71	120.09	111.83
13	bB	803	CLA	C4B-C3B-C2B	-2.71	103.94	107.30
13	aA	832	CLA	O2A-CGA-O1A	-2.71	116.86	123.63
13	cA	829	CLA	CBC-CAC-C3C	-2.71	105.08	112.42
13	aB	818	CLA	C4C-C3C-C2C	-2.71	102.95	106.89
13	cJ	101	CLA	C4C-C3C-C2C	-2.71	102.95	106.89
13	dA	819	CLA	O2A-CGA-CBA	2.71	120.09	111.83
13	cA	816	CLA	C3B-C4B-NB	2.71	112.95	110.53
13	bB	826	CLA	CMA-C3A-C4A	-2.71	104.50	111.77
13	cB	831	CLA	CAC-C3C-C4C	2.71	128.31	124.79
15	aA	847	BCR	C28-C27-C26	-2.71	109.23	114.06
13	bA	813	CLA	CHD-C4C-NC	2.71	128.43	124.23
13	aA	809	CLA	CMB-C2B-C1B	2.71	129.54	125.42
13	bA	834	CLA	C4C-C3C-C2C	-2.71	102.95	106.89
13	bB	813	CLA	C4B-C3B-C2B	-2.71	103.94	107.30
13	cA	808	CLA	C1-C2-C3	-2.71	121.77	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	832	CLA	O2A-CGA-O1A	-2.70	116.86	123.63
13	aK	201	CLA	C3C-C4C-NC	2.70	113.89	110.43
15	aL	201	BCR	C15-C16-C17	-2.70	117.98	123.52
15	aA	846	BCR	C15-C14-C13	-2.70	123.48	127.28
13	bA	843	CLA	C1-C2-C3	-2.70	121.77	126.20
15	cA	847	BCR	C28-C27-C26	-2.70	109.23	114.06
15	aI	101	BCR	C15-C16-C17	-2.70	117.99	123.52
13	aA	824	CLA	C4C-C3C-C2C	-2.70	102.96	106.89
13	bB	817	CLA	O2A-CGA-CBA	2.70	120.08	111.83
13	dB	826	CLA	CMA-C3A-C4A	-2.70	104.51	111.77
13	aA	827	CLA	CBC-CAC-C3C	-2.70	105.09	112.42
13	dA	834	CLA	C4C-C3C-C2C	-2.70	102.96	106.89
13	dA	838	CLA	CMB-C2B-C1B	2.70	129.53	125.42
13	dA	843	CLA	C1-C2-C3	-2.70	121.77	126.20
13	dB	826	CLA	C4-C3-C5	2.70	119.92	115.23
13	aA	816	CLA	C3B-C4B-NB	2.70	112.94	110.53
13	cA	809	CLA	CMB-C2B-C1B	2.70	129.53	125.42
13	cA	817	CLA	CMB-C2B-C1B	2.70	129.53	125.42
13	aA	825	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
15	cA	846	BCR	C15-C14-C13	-2.70	123.49	127.28
13	dB	810	CLA	CAA-C2A-C3A	-2.70	105.70	113.00
15	bA	849	BCR	C40-C30-C25	2.70	114.48	110.24
15	dA	849	BCR	C40-C30-C25	2.70	114.48	110.24
13	cA	834	CLA	CMB-C2B-C1B	2.70	129.53	125.42
13	dB	832	CLA	O2A-CGA-CBA	2.70	120.07	111.83
13	aA	829	CLA	CBC-CAC-C3C	-2.70	105.10	112.42
13	cB	821	CLA	C4B-C3B-C2B	-2.70	103.94	107.30
13	aA	832	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
13	cA	842	CLA	CHD-C4C-NC	2.70	128.42	124.23
13	bA	820	CLA	C2A-C3A-C4A	-2.70	97.51	101.87
15	aL	201	BCR	C27-C26-C25	2.70	126.35	122.70
13	bB	832	CLA	O2A-CGA-CBA	2.70	120.06	111.83
13	dB	803	CLA	C1-O2A-CGA	2.70	123.18	116.65
13	cA	827	CLA	CBC-CAC-C3C	-2.70	105.11	112.42
13	bB	829	CLA	O2A-CGA-CBA	2.70	120.06	111.83
13	bB	803	CLA	CHC-C1C-C2C	-2.70	119.28	126.95
13	aA	805	CLA	C4C-C3C-C2C	-2.70	102.97	106.89
13	bB	828	CLA	CHC-C1C-C2C	-2.70	119.28	126.95
13	aA	808	CLA	C1-C2-C3	-2.70	121.78	126.20
13	dB	828	CLA	CHC-C1C-C2C	-2.70	119.28	126.95
13	cB	812	CLA	C4C-C3C-C2C	-2.70	102.97	106.89
13	dB	803	CLA	CHC-C1C-C2C	-2.70	119.29	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	805	CLA	C4-C3-C5	2.70	119.91	115.23
13	aA	822	CLA	C1-C2-C3	-2.70	121.78	126.20
13	dA	820	CLA	C2A-C3A-C4A	-2.69	97.52	101.87
13	aA	834	CLA	CMB-C2B-C1B	2.69	129.52	125.42
13	aL	203	CLA	CMB-C2B-C1B	2.69	129.52	125.42
13	dA	815	CLA	CBC-CAC-C3C	-2.69	105.12	112.42
13	bA	838	CLA	CMB-C2B-C1B	2.69	129.52	125.42
13	cL	203	CLA	CMB-C2B-C1B	2.69	129.52	125.42
15	dA	850	BCR	C16-C15-C14	-2.69	118.01	123.52
13	cL	204	CLA	CAC-C3C-C4C	2.69	128.29	124.79
12	bA	801	CL0	O2A-CGA-CBA	2.69	120.05	111.83
13	cA	825	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
15	aL	206	BCR	C29-C30-C25	2.69	114.35	110.44
13	bA	826	CLA	C4B-C3B-C2B	-2.69	103.95	107.30
13	bL	203	CLA	CAA-C2A-C1A	-2.69	103.15	111.97
13	aJ	101	CLA	C4C-C3C-C2C	-2.69	102.97	106.89
13	bA	809	CLA	C4C-C3C-C2C	-2.69	102.97	106.89
15	dJ	103	BCR	C11-C10-C9	-2.69	123.50	127.28
13	bA	820	CLA	C1-C2-C3	-2.69	121.79	126.20
13	dA	808	CLA	O2A-CGA-CBA	2.69	120.04	111.83
13	bA	808	CLA	O2A-CGA-CBA	2.69	120.04	111.83
13	aB	812	CLA	C4C-C3C-C2C	-2.69	102.97	106.89
13	bB	821	CLA	CHB-C4A-NA	2.69	128.28	124.40
13	aA	810	CLA	CHD-C4C-NC	2.69	128.40	124.23
13	bB	826	CLA	C4-C3-C5	2.69	119.90	115.23
15	aB	836	BCR	C24-C23-C22	-2.69	122.25	126.23
13	bA	834	CLA	C4B-C3B-C2B	-2.69	103.96	107.30
13	bB	810	CLA	CAA-C2A-C3A	-2.69	105.73	113.00
13	cA	828	CLA	C4-C3-C5	2.69	119.90	115.23
13	bA	815	CLA	CBC-CAC-C3C	-2.69	105.13	112.42
13	cB	805	CLA	C4-C3-C5	2.69	119.89	115.23
13	cA	824	CLA	C4C-C3C-C2C	-2.69	102.98	106.89
13	aA	827	CLA	C4B-C3B-C2B	-2.69	103.96	107.30
13	dB	829	CLA	O2A-CGA-CBA	2.69	120.03	111.83
13	bA	806	CLA	C4-C3-C5	2.69	119.89	115.23
13	cA	819	CLA	CHD-C4C-NC	2.69	128.40	124.23
13	dA	813	CLA	CHD-C4C-NC	2.69	128.40	124.23
13	dL	203	CLA	CAA-C2A-C1A	-2.69	103.17	111.97
13	dB	821	CLA	CHB-C4A-NA	2.69	128.28	124.40
13	cA	827	CLA	C4B-C3B-C2B	-2.69	103.96	107.30
13	dA	834	CLA	C4B-C3B-C2B	-2.69	103.96	107.30
13	bB	803	CLA	C1-O2A-CGA	2.69	123.15	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	bA	851	BCR	C28-C27-C26	-2.69	109.27	114.06
13	cK	201	CLA	C3C-C4C-NC	2.69	113.87	110.43
13	bA	840	CLA	CHB-C4A-NA	2.68	128.27	124.40
13	cB	827	CLA	C4B-C3B-C2B	-2.68	103.96	107.30
13	aB	813	CLA	CHD-C4C-NC	2.68	128.39	124.23
13	bA	836	CLA	CBC-CAC-C3C	-2.68	105.14	112.42
13	cA	837	CLA	O1D-CGD-CBD	-2.68	119.23	124.52
13	aA	823	CLA	C4A-NA-C1A	-2.68	105.45	106.68
13	aF	204	CLA	CHD-C4C-NC	2.68	128.39	124.23
13	aA	822	CLA	CHB-C1B-C2B	-2.68	119.64	127.43
13	aB	801	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
13	bB	817	CLA	CHC-C1C-C2C	-2.68	119.33	126.95
13	aA	828	CLA	C4-C3-C5	2.68	119.88	115.23
13	cA	822	CLA	CHB-C1B-C2B	-2.68	119.64	127.43
12	dA	801	CL0	O2A-CGA-CBA	2.68	120.01	111.83
13	dB	813	CLA	C4B-C3B-C2B	-2.68	103.97	107.30
15	dJ	104	BCR	C27-C26-C25	2.68	126.33	122.70
13	dA	836	CLA	CAC-C3C-C4C	2.68	128.28	124.79
13	dL	203	CLA	C3B-C4B-NB	2.68	112.92	110.53
13	bB	802	CLA	C4C-C3C-C2C	-2.68	102.99	106.89
13	cB	811	CLA	C4-C3-C5	2.68	119.88	115.23
13	cB	801	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
13	cA	820	CLA	C4C-C3C-C2C	-2.68	102.99	106.89
13	aA	825	CLA	CHB-C4A-NA	2.68	128.27	124.40
13	dA	819	CLA	CHB-C4A-NA	2.68	128.27	124.40
13	aB	811	CLA	C4-C3-C5	2.68	119.88	115.23
13	dB	809	CLA	C11-C10-C8	-2.68	107.06	115.97
15	bA	850	BCR	C16-C15-C14	-2.68	118.04	123.52
13	dA	808	CLA	CHB-C4A-NA	2.68	128.27	124.40
13	aB	804	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
13	cB	821	CLA	C4-C3-C5	2.68	119.88	115.23
13	bA	808	CLA	C4B-C3B-C2B	-2.68	103.97	107.30
13	aA	827	CLA	CMB-C2B-C1B	2.68	129.50	125.42
13	bB	809	CLA	C11-C10-C8	-2.68	107.07	115.97
13	dB	821	CLA	C3B-C4B-NB	2.68	112.92	110.53
13	bA	836	CLA	CAC-C3C-C4C	2.68	128.27	124.79
13	aA	822	CLA	CHD-C4C-NC	2.68	128.38	124.23
13	aA	837	CLA	CHD-C4C-NC	2.68	128.38	124.23
13	cA	810	CLA	CHD-C4C-NC	2.68	128.38	124.23
13	dA	836	CLA	CBC-CAC-C3C	-2.68	105.16	112.42
13	aA	837	CLA	O1D-CGD-CBD	-2.68	119.24	124.52
13	aB	819	CLA	C4B-C3B-C2B	-2.68	103.97	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	823	CLA	CMB-C2B-C1B	2.68	129.49	125.42
13	cA	827	CLA	CMB-C2B-C1B	2.68	129.49	125.42
13	aB	821	CLA	O2D-CGD-O1D	-2.68	118.64	123.85
13	aB	831	CLA	CAC-C3C-C4C	2.68	128.27	124.79
13	dA	833	CLA	O2A-CGA-CBA	2.67	119.99	111.83
15	cB	836	BCR	C24-C23-C22	-2.67	122.28	126.23
15	dA	851	BCR	C28-C27-C26	-2.67	109.29	114.06
13	dB	827	CLA	C4B-C3B-C2B	-2.67	103.98	107.30
15	bJ	104	BCR	C27-C26-C25	2.67	126.32	122.70
13	dA	832	CLA	CMC-C2C-C1C	2.67	129.21	125.03
13	bF	201	CLA	C4C-C3C-C2C	-2.67	103.00	106.89
13	bB	824	CLA	CHB-C4A-NA	2.67	128.26	124.40
13	bB	820	CLA	CAC-C3C-C4C	2.67	128.27	124.79
13	cA	822	CLA	CHD-C4C-NC	2.67	128.38	124.23
13	cK	201	CLA	CHD-C4C-NC	2.67	128.38	124.23
13	bB	805	CLA	CMC-C2C-C1C	2.67	129.21	125.03
13	dB	802	CLA	C4C-C3C-C2C	-2.67	103.00	106.89
13	dA	840	CLA	CHB-C4A-NA	2.67	128.26	124.40
13	bA	833	CLA	O2A-CGA-CBA	2.67	119.98	111.83
13	cA	820	CLA	C4-C3-C5	2.67	119.87	115.23
13	dB	811	CLA	CAA-C2A-C3A	-2.67	105.78	113.00
13	dA	816	CLA	CHD-C4C-NC	2.67	128.37	124.23
13	aL	204	CLA	CAC-C3C-C4C	2.67	128.27	124.79
13	cA	825	CLA	CHB-C4A-NA	2.67	128.25	124.40
13	bA	832	CLA	CMC-C2C-C1C	2.67	129.21	125.03
13	dA	834	CLA	CMA-C3A-C4A	-2.67	104.59	111.77
13	bA	803	CLA	CHB-C4A-NA	2.67	128.25	124.40
13	dA	820	CLA	C1-C2-C3	-2.67	121.82	126.20
13	aA	820	CLA	C4-C3-C5	2.67	119.86	115.23
13	dA	809	CLA	C4C-C3C-C2C	-2.67	103.00	106.89
13	dF	201	CLA	C4C-C3C-C2C	-2.67	103.00	106.89
13	bF	204	CLA	CHD-C4C-NC	2.67	128.37	124.23
13	cA	823	CLA	C4A-NA-C1A	-2.67	105.46	106.68
13	aA	818	CLA	CAC-C3C-C4C	2.67	128.26	124.79
13	aF	204	CLA	C4C-C3C-C2C	-2.67	103.01	106.89
13	dA	807	CLA	C4B-C3B-C2B	-2.67	103.98	107.30
13	aA	834	CLA	O2A-CGA-O1A	-2.67	116.95	123.63
13	bB	811	CLA	CAA-C2A-C3A	-2.67	105.79	113.00
13	bA	802	CLA	CGD-CBD-CAD	-2.67	102.21	110.85
13	aB	827	CLA	C4B-C3B-C2B	-2.67	103.98	107.30
13	bA	816	CLA	CHD-C4C-NC	2.67	128.37	124.23
13	dB	817	CLA	CHC-C1C-C2C	-2.67	119.37	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	dA	851	BCR	C20-C21-C22	-2.67	123.54	127.28
13	dB	825	CLA	CHB-C4A-NA	2.67	128.25	124.40
15	cL	206	BCR	C29-C30-C25	2.67	114.31	110.44
13	dA	806	CLA	C4-C3-C5	2.67	119.86	115.23
13	bA	834	CLA	CMA-C3A-C4A	-2.67	104.61	111.77
13	cA	834	CLA	O2A-CGA-O1A	-2.67	116.96	123.63
13	bA	819	CLA	CHB-C4A-NA	2.67	128.25	124.40
13	dA	843	CLA	C4-C3-C5	2.67	119.86	115.23
13	dA	807	CLA	C1-C2-C3	-2.67	121.83	126.20
13	cB	805	CLA	O2A-CGA-CBA	2.66	119.96	111.83
15	bI	101	BCR	C15-C16-C17	-2.66	118.07	123.52
13	bA	808	CLA	CHB-C4A-NA	2.66	128.25	124.40
13	bA	808	CLA	C1-C2-C3	-2.66	121.83	126.20
13	cA	839	CLA	CAC-C3C-C4C	2.66	128.26	124.79
13	aA	820	CLA	C4C-C3C-C2C	-2.66	103.01	106.89
15	bB	835	BCR	C24-C23-C22	-2.66	122.30	126.23
13	dB	820	CLA	CAC-C3C-C4C	2.66	128.25	124.79
13	bA	807	CLA	C1-C2-C3	-2.66	121.83	126.20
13	dB	807	CLA	C7-C6-C5	-2.66	106.17	113.26
13	dF	204	CLA	CHD-C4C-NC	2.66	128.36	124.23
13	bB	821	CLA	C3B-C4B-NB	2.66	112.91	110.53
13	cA	818	CLA	CAC-C3C-C4C	2.66	128.25	124.79
13	aA	815	CLA	CHD-C4C-NC	2.66	128.36	124.23
15	bA	851	BCR	C20-C21-C22	-2.66	123.55	127.28
13	cA	823	CLA	C4C-C3C-C2C	-2.66	103.02	106.89
13	cA	828	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
13	bB	816	CLA	CMB-C2B-C1B	2.66	129.47	125.42
13	dA	844	CLA	C4-C3-C5	2.66	119.85	115.23
13	aA	826	CLA	CMC-C2C-C1C	2.66	129.19	125.03
13	cA	815	CLA	CHD-C4C-NC	2.66	128.36	124.23
13	dB	816	CLA	CMB-C2B-C1B	2.66	129.47	125.42
13	dA	802	CLA	CGD-CBD-CAD	-2.66	102.24	110.85
13	aK	201	CLA	CHD-C4C-NC	2.66	128.35	124.23
13	aL	202	CLA	CHD-C4C-NC	2.66	128.35	124.23
13	bB	822	CLA	C1-C2-C3	-2.66	121.84	126.20
13	dA	808	CLA	C1-C2-C3	-2.66	121.84	126.20
13	bB	827	CLA	C4B-C3B-C2B	-2.66	104.00	107.30
13	cF	204	CLA	CHD-C4C-NC	2.66	128.35	124.23
15	dI	101	BCR	C15-C16-C17	-2.66	118.08	123.52
13	bA	830	CLA	CMB-C2B-C1B	2.66	129.47	125.42
13	bB	828	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
13	dA	824	CLA	C1-C2-C3	-2.66	121.84	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	814	CLA	O1D-CGD-CBD	-2.66	119.28	124.52
13	dA	830	CLA	CMB-C2B-C1B	2.66	129.47	125.42
13	aA	828	CLA	O2D-CGD-O1D	-2.66	118.68	123.85
13	aB	821	CLA	C4-C3-C5	2.66	119.84	115.23
13	aA	805	CLA	CBC-CAC-C3C	-2.66	105.22	112.42
13	cF	204	CLA	C4C-C3C-C2C	-2.66	103.03	106.89
13	bA	810	CLA	CHD-C4C-NC	2.66	128.35	124.23
13	aL	203	CLA	C4B-C3B-C2B	-2.66	104.00	107.30
13	bA	833	CLA	C4B-C3B-C2B	-2.65	104.00	107.30
13	bB	807	CLA	C7-C6-C5	-2.65	106.19	113.26
13	dA	803	CLA	CHB-C4A-NA	2.65	128.23	124.40
13	bA	807	CLA	C4B-C3B-C2B	-2.65	104.00	107.30
13	dA	808	CLA	C4B-C3B-C2B	-2.65	104.00	107.30
13	dA	805	CLA	C4C-C3C-C2C	-2.65	103.03	106.89
13	dB	824	CLA	CHB-C4A-NA	2.65	128.23	124.40
13	cA	829	CLA	O2A-CGA-O1A	-2.65	116.99	123.63
13	cB	804	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
13	dA	838	CLA	CHD-C4C-NC	2.65	128.34	124.23
13	bA	812	CLA	CBC-CAC-C3C	-2.65	105.23	112.42
13	dA	812	CLA	CBC-CAC-C3C	-2.65	105.23	112.42
13	aA	829	CLA	O2A-CGA-O1A	-2.65	116.99	123.63
13	aB	805	CLA	O2A-CGA-CBA	2.65	119.92	111.83
13	cA	805	CLA	CBC-CAC-C3C	-2.65	105.23	112.42
13	bA	822	CLA	C3B-C4B-NB	2.65	112.90	110.53
13	dB	805	CLA	C1-C2-C3	-2.65	121.85	126.20
13	aB	824	CLA	C4-C3-C5	2.65	119.83	115.23
13	dB	805	CLA	CMC-C2C-C1C	2.65	129.18	125.03
15	dB	835	BCR	C24-C23-C22	-2.65	122.31	126.23
13	cB	821	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
13	dB	825	CLA	CHB-C1B-C2B	-2.65	119.73	127.43
13	cL	203	CLA	C4B-C3B-C2B	-2.65	104.01	107.30
15	aB	837	BCR	C3-C4-C5	-2.65	109.33	114.06
13	bA	829	CLA	C4-C3-C5	2.65	119.83	115.23
13	dA	823	CLA	CMB-C2B-C1B	2.65	129.45	125.42
13	bA	832	CLA	CHD-C4C-NC	2.65	128.34	124.23
13	cB	812	CLA	CBC-CAC-C3C	-2.65	105.24	112.42
13	dA	814	CLA	CAC-C3C-C4C	2.65	128.24	124.79
13	bA	838	CLA	CHD-C4C-NC	2.65	128.34	124.23
13	aA	839	CLA	CAC-C3C-C4C	2.65	128.23	124.79
13	bA	824	CLA	C1-C2-C3	-2.65	121.86	126.20
13	bB	825	CLA	CHB-C4A-NA	2.65	128.22	124.40
13	dA	833	CLA	C4B-C3B-C2B	-2.65	104.01	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	809	CLA	CAA-C2A-C3A	-2.65	105.85	113.00
13	aA	823	CLA	C4C-C3C-C2C	-2.65	103.04	106.89
13	bA	844	CLA	C4-C3-C5	2.65	119.82	115.23
13	cA	820	CLA	CHB-C1B-C2B	-2.65	119.75	127.43
13	cA	837	CLA	CHD-C4C-NC	2.65	128.33	124.23
13	dA	810	CLA	CHD-C4C-NC	2.65	128.33	124.23
13	dA	811	CLA	CAA-C2A-C3A	-2.65	105.85	113.00
13	aB	814	CLA	O1D-CGD-CBD	-2.65	119.30	124.52
13	bA	817	CLA	C4C-C3C-C2C	-2.64	103.04	106.89
13	bB	803	CLA	C1C-C2C-C3C	-2.64	104.20	106.98
13	dF	204	CLA	CMB-C2B-C1B	2.64	129.44	125.42
13	bA	808	CLA	CHD-C4C-NC	2.64	128.33	124.23
13	bA	815	CLA	CHD-C4C-NC	2.64	128.33	124.23
13	dA	822	CLA	C3B-C4B-NB	2.64	112.89	110.53
13	aB	815	CLA	O2D-CGD-O1D	-2.64	118.70	123.85
13	bA	843	CLA	C4-C3-C5	2.64	119.82	115.23
13	bA	829	CLA	CHB-C1B-C2B	-2.64	119.75	127.43
15	cB	837	BCR	C3-C4-C5	-2.64	109.34	114.06
13	bA	810	CLA	CHC-C1C-C2C	-2.64	119.44	126.95
13	cB	809	CLA	CAA-C2A-C3A	-2.64	105.86	113.00
13	bB	825	CLA	CHB-C1B-C2B	-2.64	119.76	127.43
13	bA	805	CLA	C4C-C3C-C2C	-2.64	103.05	106.89
14	aA	844	PQN	C2M-C2-C3	-2.64	120.11	124.45
13	bA	844	CLA	CAC-C3C-C4C	2.64	128.22	124.79
13	aB	830	CLA	CHD-C4C-NC	2.64	128.32	124.23
13	bA	811	CLA	CAA-C2A-C3A	-2.64	105.86	113.00
13	dA	817	CLA	C4C-C3C-C2C	-2.64	103.05	106.89
13	cA	831	CLA	CMB-C2B-C3B	2.64	132.76	126.55
13	dA	844	CLA	CAC-C3C-C4C	2.64	128.22	124.79
13	aA	841	CLA	C4C-C3C-C2C	-2.64	103.05	106.89
13	cA	841	CLA	C4C-C3C-C2C	-2.64	103.05	106.89
13	dB	803	CLA	C1C-C2C-C3C	-2.64	104.20	106.98
13	dB	828	CLA	O2D-CGD-O1D	-2.64	118.71	123.85
13	dA	826	CLA	C4-C3-C5	2.64	119.81	115.23
13	aL	203	CLA	CAC-C3C-C4C	2.64	128.22	124.79
15	cA	845	BCR	C27-C26-C25	2.64	126.27	122.70
13	dA	810	CLA	CHC-C1C-C2C	-2.64	119.45	126.95
13	dA	832	CLA	CHD-C4C-NC	2.64	128.32	124.23
13	aA	820	CLA	CHB-C1B-C2B	-2.64	119.77	127.43
13	dA	829	CLA	C4-C3-C5	2.64	119.81	115.23
13	cB	833	CLA	CMB-C2B-C1B	2.64	129.43	125.42
13	bB	817	CLA	CMC-C2C-C1C	2.64	129.15	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	835	CLA	O2D-CGD-O1D	-2.64	118.72	123.85
13	dB	822	CLA	C1-C2-C3	-2.64	121.88	126.20
14	cA	844	PQN	C2M-C2-C3	-2.64	120.12	124.45
13	dB	820	CLA	C4B-C3B-C2B	-2.64	104.03	107.30
13	bA	826	CLA	C4-C3-C5	2.64	119.80	115.23
13	aA	818	CLA	CHC-C1C-C2C	-2.63	119.46	126.95
13	bA	814	CLA	CAC-C3C-C4C	2.63	128.22	124.79
13	bA	818	CLA	CAA-C2A-C3A	-2.63	105.88	113.00
13	cB	824	CLA	C4-C3-C5	2.63	119.80	115.23
13	dA	829	CLA	CHB-C1B-C2B	-2.63	119.78	127.43
13	bA	808	CLA	CAA-C2A-C3A	-2.63	105.89	113.00
13	cB	833	CLA	CHB-C4A-NA	2.63	128.20	124.40
13	dA	832	CLA	CHB-C4A-NA	2.63	128.20	124.40
13	dA	832	CLA	O1D-CGD-CBD	-2.63	119.33	124.52
13	aA	806	CLA	O2A-CGA-CBA	2.63	119.86	111.83
13	cL	202	CLA	CHD-C4C-NC	2.63	128.31	124.23
13	aB	812	CLA	CBC-CAC-C3C	-2.63	105.29	112.42
13	aB	833	CLA	CMB-C2B-C1B	2.63	129.43	125.42
13	dA	818	CLA	CAA-C2A-C3A	-2.63	105.89	113.00
13	cA	818	CLA	CHC-C1C-C2C	-2.63	119.47	126.95
13	cB	820	CLA	CHC-C1C-C2C	-2.63	119.47	126.95
13	aA	829	CLA	O1D-CGD-CBD	-2.63	119.33	124.52
13	cA	806	CLA	O2A-CGA-CBA	2.63	119.86	111.83
13	dA	822	CLA	C4-C3-C5	2.63	119.79	115.23
13	bB	820	CLA	C4B-C3B-C2B	-2.63	104.03	107.30
13	bB	805	CLA	C1-C2-C3	-2.63	121.89	126.20
13	bA	832	CLA	O1D-CGD-CBD	-2.63	119.33	124.52
13	dA	814	CLA	C1C-C2C-C3C	-2.63	104.22	106.98
13	bB	811	CLA	CHC-C1C-NC	2.63	128.27	124.31
15	bA	846	BCR	C7-C8-C9	-2.63	122.35	126.23
13	aA	840	CLA	C4C-C3C-C2C	-2.63	103.07	106.89
13	dA	808	CLA	CHD-C4C-NC	2.63	128.31	124.23
13	dA	835	CLA	O2D-CGD-O1D	-2.63	118.73	123.85
13	aA	824	CLA	CAA-C2A-C3A	-2.63	105.90	113.00
13	bA	825	CLA	CMB-C2B-C1B	2.63	129.42	125.42
13	cB	815	CLA	O2D-CGD-O1D	-2.63	118.73	123.85
13	dA	815	CLA	CHD-C4C-NC	2.63	128.31	124.23
13	dB	831	CLA	CBC-CAC-C3C	-2.63	105.30	112.42
15	cA	845	BCR	C24-C23-C22	-2.63	122.35	126.23
13	aB	828	CLA	CHD-C4C-NC	2.63	128.30	124.23
13	cB	825	CLA	CHC-C1C-C2C	-2.63	119.48	126.95
13	cK	204	CLA	O1D-CGD-CBD	-2.63	119.34	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bL	203	CLA	C3B-C4B-NB	2.63	112.87	110.53
13	cA	836	CLA	CBC-CAC-C3C	-2.62	105.30	112.42
18	bB	837	LMG	O2-C2-C1	-2.62	103.82	110.08
13	aA	813	CLA	C4-C3-C5	2.62	119.78	115.23
13	bA	822	CLA	C4-C3-C5	2.62	119.78	115.23
13	cB	828	CLA	CHD-C4C-NC	2.62	128.30	124.23
13	aA	831	CLA	CMB-C2B-C3B	2.62	132.72	126.55
18	dB	837	LMG	O2-C2-C1	-2.62	103.82	110.08
13	cA	825	CLA	CMB-C2B-C1B	2.62	129.41	125.42
13	cA	824	CLA	CAA-C2A-C3A	-2.62	105.91	113.00
15	cM	101	BCR	C33-C5-C6	-2.62	121.62	124.48
13	aK	203	CLA	O1D-CGD-CBD	-2.62	119.34	124.52
13	aB	820	CLA	CHC-C1C-C2C	-2.62	119.50	126.95
13	cB	833	CLA	C1-C2-C3	-2.62	121.90	126.20
13	cA	840	CLA	C4C-C3C-C2C	-2.62	103.08	106.89
13	bA	808	CLA	CMB-C2B-C1B	2.62	129.41	125.42
13	cA	835	CLA	CHD-C4C-NC	2.62	128.30	124.23
13	dA	811	CLA	CGD-CBD-CAD	-2.62	102.36	110.85
13	dA	808	CLA	CMB-C2B-C1B	2.62	129.41	125.42
13	bB	831	CLA	CBC-CAC-C3C	-2.62	105.32	112.42
13	aB	801	CLA	C1-C2-C3	-2.62	121.90	126.20
13	aB	817	CLA	CAC-C3C-C4C	2.62	128.20	124.79
13	cA	829	CLA	O1D-CGD-CBD	-2.62	119.35	124.52
15	dA	846	BCR	C7-C8-C9	-2.62	122.36	126.23
13	dB	831	CLA	C1-C2-C3	-2.62	121.91	126.20
13	cK	204	CLA	CHD-C4C-NC	2.62	128.29	124.23
13	aB	825	CLA	CHC-C1C-C2C	-2.62	119.50	126.95
13	aB	833	CLA	CHB-C4A-NA	2.62	128.18	124.40
13	dA	805	CLA	CHB-C4A-NA	2.62	128.18	124.40
13	bF	204	CLA	CMB-C2B-C1B	2.62	129.41	125.42
13	bA	837	CLA	CHB-C4A-NA	2.62	128.18	124.40
13	bA	811	CLA	CGD-CBD-CAD	-2.62	102.37	110.85
13	dA	808	CLA	CAA-C2A-C3A	-2.62	105.92	113.00
13	dA	828	CLA	CHC-C1C-C2C	-2.62	119.51	126.95
13	aB	833	CLA	C1-C2-C3	-2.62	121.91	126.20
13	aB	810	CLA	O2A-CGA-O1A	-2.62	117.08	123.63
13	bA	830	CLA	CHB-C1B-C2B	-2.62	119.83	127.43
13	cB	821	CLA	C1-O2A-CGA	2.62	122.98	116.65
15	aA	845	BCR	C24-C23-C22	-2.62	122.36	126.23
13	bA	814	CLA	C1C-C2C-C3C	-2.62	104.23	106.98
13	bA	832	CLA	CHB-C4A-NA	2.62	128.18	124.40
13	dA	818	CLA	CHB-C4A-NA	2.62	128.18	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	aA	849	BCR	C15-C16-C17	-2.62	118.17	123.52
13	cL	203	CLA	CAC-C3C-C4C	2.62	128.19	124.79
13	dA	811	CLA	CAC-C3C-C4C	2.62	128.19	124.79
13	dA	830	CLA	CHB-C1B-C2B	-2.62	119.83	127.43
13	cA	826	CLA	CMC-C2C-C1C	2.62	129.12	125.03
15	cA	849	BCR	C15-C16-C17	-2.62	118.17	123.52
13	aA	835	CLA	CHD-C4C-NC	2.61	128.29	124.23
13	cB	830	CLA	CHD-C4C-NC	2.61	128.29	124.23
13	cA	813	CLA	C4-C3-C5	2.61	119.77	115.23
13	aA	818	CLA	O2A-CGA-CBA	2.61	119.81	111.83
13	bB	816	CLA	O2A-CGA-CBA	2.61	119.81	111.83
13	cA	815	CLA	CHB-C1B-C2B	-2.61	119.84	127.43
13	bB	829	CLA	CHC-C1C-C2C	-2.61	119.52	126.95
13	bA	818	CLA	CHB-C4A-NA	2.61	128.17	124.40
13	cA	818	CLA	O2A-CGA-CBA	2.61	119.81	111.83
13	aA	815	CLA	CHB-C1B-C2B	-2.61	119.84	127.43
13	cB	833	CLA	CMC-C2C-C1C	2.61	129.12	125.03
13	dB	811	CLA	CHC-C1C-NC	2.61	128.25	124.31
13	aA	836	CLA	CBC-CAC-C3C	-2.61	105.33	112.42
13	cK	203	CLA	O1D-CGD-CBD	-2.61	119.36	124.52
15	aA	845	BCR	C27-C26-C25	2.61	126.23	122.70
13	aB	814	CLA	C4B-C3B-C2B	-2.61	104.05	107.30
13	cA	843	CLA	O1D-CGD-CBD	-2.61	119.36	124.52
13	dA	825	CLA	CMB-C2B-C1B	2.61	129.40	125.42
13	bA	828	CLA	CHC-C1C-C2C	-2.61	119.53	126.95
13	dA	841	CLA	C3B-C4B-NB	2.61	112.86	110.53
13	dA	812	CLA	CHB-C4A-NA	2.61	128.17	124.40
15	bB	836	BCR	C16-C15-C14	-2.61	118.18	123.52
13	aA	825	CLA	CMB-C2B-C1B	2.61	129.39	125.42
13	dB	817	CLA	CMC-C2C-C1C	2.61	129.11	125.03
13	cB	817	CLA	CAC-C3C-C4C	2.61	128.19	124.79
13	dA	802	CLA	CHD-C4C-NC	2.61	128.28	124.23
14	cB	835	PQN	C2M-C2-C3	-2.61	120.16	124.45
15	bF	203	BCR	C16-C15-C14	-2.61	118.18	123.52
13	dA	840	CLA	CMA-C3A-C4A	-2.61	104.76	111.77
13	aA	843	CLA	O1D-CGD-CBD	-2.61	119.37	124.52
13	dA	836	CLA	CHB-C4A-NA	2.61	128.16	124.40
15	dB	836	BCR	C16-C15-C14	-2.61	118.18	123.52
14	aB	835	PQN	C2M-C2-C3	-2.61	120.16	124.45
13	dA	841	CLA	CHB-C4A-NA	2.61	128.16	124.40
13	cB	816	CLA	CAA-C2A-C3A	-2.61	105.95	113.00
15	cJ	102	BCR	C15-C16-C17	-2.61	118.18	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	810	CLA	O2A-CGA-O1A	-2.61	117.11	123.63
13	cA	802	CLA	CHB-C1B-C2B	-2.61	119.86	127.43
13	bA	841	CLA	CHB-C4A-NA	2.61	128.16	124.40
13	dB	829	CLA	CHC-C1C-C2C	-2.60	119.55	126.95
13	aA	802	CLA	CHB-C1B-C2B	-2.60	119.86	127.43
13	cB	803	CLA	CHB-C4A-NA	2.60	128.16	124.40
13	cB	826	CLA	CHB-C4A-NA	2.60	128.16	124.40
13	bB	831	CLA	C1-C2-C3	-2.60	121.93	126.20
13	cB	801	CLA	C1-C2-C3	-2.60	121.93	126.20
13	aA	808	CLA	C4B-C3B-C2B	-2.60	104.06	107.30
13	aB	816	CLA	CAA-C2A-C3A	-2.60	105.97	113.00
13	dB	816	CLA	O2A-CGA-CBA	2.60	119.77	111.83
13	aB	816	CLA	CHD-C4C-NC	2.60	128.27	124.23
13	cB	806	CLA	CHC-C1C-C2C	-2.60	119.55	126.95
13	dA	811	CLA	C4C-C3C-C2C	-2.60	103.11	106.89
13	aB	806	CLA	CHC-C1C-C2C	-2.60	119.56	126.95
13	bA	816	CLA	CHB-C4A-NA	2.60	128.15	124.40
13	bA	840	CLA	CMA-C3A-C4A	-2.60	104.78	111.77
13	aA	805	CLA	CHB-C4A-NA	2.60	128.15	124.40
13	aB	818	CLA	O2A-CGA-CBA	2.60	119.76	111.83
13	aB	821	CLA	C1-O2A-CGA	2.60	122.94	116.65
13	cA	821	CLA	O2D-CGD-O1D	-2.60	118.79	123.85
13	cA	808	CLA	C4B-C3B-C2B	-2.60	104.07	107.30
13	aA	810	CLA	CAA-C2A-C3A	-2.60	105.98	113.00
15	bJ	102	BCR	C15-C14-C13	-2.60	123.64	127.28
13	cA	809	CLA	CAC-C3C-C4C	2.60	128.17	124.79
13	cA	810	CLA	CAA-C2A-C3A	-2.60	105.98	113.00
13	cA	805	CLA	CHB-C4A-NA	2.60	128.15	124.40
15	dF	203	BCR	C16-C15-C14	-2.60	118.21	123.52
13	bA	811	CLA	CAC-C3C-C4C	2.60	128.17	124.79
15	cA	849	BCR	C29-C30-C25	2.59	114.21	110.44
13	cB	811	CLA	C1-C2-C3	-2.59	121.95	126.20
13	bB	803	CLA	O2A-CGA-CBA	2.59	119.75	111.83
15	aJ	102	BCR	C15-C16-C17	-2.59	118.21	123.52
13	bA	805	CLA	CHB-C4A-NA	2.59	128.14	124.40
13	cB	814	CLA	C4B-C3B-C2B	-2.59	104.08	107.30
15	aA	846	BCR	C40-C30-C25	2.59	114.31	110.24
13	aB	816	CLA	C4B-C3B-C2B	-2.59	104.08	107.30
13	bA	829	CLA	CMC-C2C-C1C	2.59	129.09	125.03
13	dA	837	CLA	CHB-C4A-NA	2.59	128.14	124.40
13	aB	803	CLA	C5-C3-C2	-2.59	115.35	121.17
13	aA	835	CLA	CGD-CBD-CAD	-2.59	102.45	110.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	818	CLA	O2A-CGA-CBA	2.59	119.74	111.83
13	aF	204	CLA	CHB-C4A-NA	2.59	128.14	124.40
18	cB	839	LMG	O1-C7-C8	-2.59	104.52	110.82
13	cF	201	CLA	CHB-C4A-NA	2.59	128.14	124.40
13	aK	204	CLA	CHD-C4C-NC	2.59	128.25	124.23
13	aB	811	CLA	C1-C2-C3	-2.59	121.95	126.20
13	cB	816	CLA	C4B-C3B-C2B	-2.59	104.08	107.30
13	dB	803	CLA	O2A-CGA-CBA	2.59	119.73	111.83
15	dJ	102	BCR	C15-C14-C13	-2.59	123.65	127.28
15	cA	846	BCR	C40-C30-C25	2.59	114.30	110.24
18	bB	837	LMG	C40-C39-C38	-2.59	101.28	114.37
13	bA	822	CLA	CBC-CAC-C3C	-2.59	105.40	112.42
13	aA	809	CLA	CAC-C3C-C4C	2.59	128.16	124.79
15	aJ	104	BCR	C27-C26-C25	2.59	126.20	122.70
13	bA	837	CLA	CMC-C2C-C1C	2.59	129.08	125.03
13	bA	811	CLA	C4C-C3C-C2C	-2.59	103.12	106.89
13	aF	201	CLA	CHB-C4A-NA	2.59	128.14	124.40
13	bA	836	CLA	CHB-C4A-NA	2.59	128.13	124.40
13	cF	204	CLA	CHB-C4A-NA	2.59	128.13	124.40
13	dA	822	CLA	CBC-CAC-C3C	-2.59	105.40	112.42
13	aA	817	CLA	CAA-C2A-C3A	-2.59	106.01	113.00
18	aB	839	LMG	O1-C7-C8	-2.59	104.52	110.82
13	dB	808	CLA	CHB-C4A-NA	2.59	128.13	124.40
13	aA	821	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
13	aA	806	CLA	C1-O2A-CGA	2.59	122.91	116.65
13	bB	811	CLA	CHD-C4C-NC	2.59	128.24	124.23
13	cA	806	CLA	C1-O2A-CGA	2.59	122.91	116.65
13	aB	826	CLA	CHB-C4A-NA	2.59	128.13	124.40
13	bB	808	CLA	CHB-C4A-NA	2.59	128.13	124.40
13	aB	825	CLA	O2A-CGA-CBA	2.59	119.72	111.83
15	bB	834	BCR	C15-C14-C13	-2.58	123.65	127.28
13	aB	833	CLA	CMC-C2C-C1C	2.58	129.07	125.03
13	dA	838	CLA	CAA-C2A-C3A	-2.58	106.02	113.00
15	cL	201	BCR	C15-C14-C13	-2.58	123.66	127.28
13	aB	803	CLA	CHB-C4A-NA	2.58	128.13	124.40
13	aK	204	CLA	O1D-CGD-CBD	-2.58	119.42	124.52
13	cB	825	CLA	O2A-CGA-CBA	2.58	119.71	111.83
13	aA	824	CLA	CMC-C2C-C1C	2.58	129.07	125.03
13	cB	817	CLA	O1D-CGD-CBD	-2.58	119.42	124.52
15	bF	203	BCR	C29-C30-C25	2.58	114.19	110.44
15	dF	203	BCR	C29-C30-C25	2.58	114.19	110.44
13	cA	833	CLA	O1D-CGD-CBD	-2.58	119.42	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	dB	837	LMG	C40-C39-C38	-2.58	101.32	114.37
15	aA	849	BCR	C29-C30-C25	2.58	114.19	110.44
13	dB	811	CLA	CHD-C4C-NC	2.58	128.23	124.23
13	cA	835	CLA	CGD-CBD-CAD	-2.58	102.49	110.85
13	bA	810	CLA	CMC-C2C-C1C	2.58	129.07	125.03
13	dA	829	CLA	CMC-C2C-C1C	2.58	129.07	125.03
13	cB	807	CLA	CHB-C4A-NA	2.58	128.12	124.40
13	cB	803	CLA	C5-C3-C2	-2.58	115.38	121.17
13	dB	817	CLA	O2D-CGD-O1D	-2.58	118.83	123.85
13	bB	804	CLA	O2A-CGA-CBA	2.58	119.70	111.83
13	bB	817	CLA	O2D-CGD-O1D	-2.58	118.83	123.85
13	dA	816	CLA	CHB-C4A-NA	2.58	128.12	124.40
13	aB	817	CLA	O1D-CGD-CBD	-2.58	119.43	124.52
15	dB	834	BCR	C15-C14-C13	-2.58	123.66	127.28
13	cA	817	CLA	CAA-C2A-C3A	-2.58	106.04	113.00
13	cB	806	CLA	CMB-C2B-C1B	2.58	129.34	125.42
13	dA	814	CLA	CHB-C4A-NA	2.58	128.12	124.40
13	cA	820	CLA	CHD-C4C-NC	2.58	128.23	124.23
13	aA	818	CLA	CHB-C4A-NA	2.58	128.12	124.40
13	bB	816	CLA	CHD-C4C-NC	2.58	128.22	124.23
13	dB	804	CLA	O2A-CGA-CBA	2.57	119.69	111.83
15	aM	101	BCR	C33-C5-C6	-2.57	121.67	124.48
13	dB	816	CLA	CHD-C4C-NC	2.57	128.22	124.23
13	aB	806	CLA	CMB-C2B-C1B	2.57	129.34	125.42
15	bF	202	BCR	C27-C26-C25	2.57	126.18	122.70
13	bA	835	CLA	O1D-CGD-CBD	-2.57	119.44	124.52
13	bA	838	CLA	CAA-C2A-C3A	-2.57	106.05	113.00
13	cB	830	CLA	CAA-C2A-C3A	-2.57	106.05	113.00
13	bA	812	CLA	CHB-C4A-NA	2.57	128.11	124.40
13	cB	819	CLA	O2A-CGA-CBA	2.57	119.68	111.83
13	bA	802	CLA	CHD-C4C-NC	2.57	128.22	124.23
13	aB	810	CLA	CBC-CAC-C3C	-2.57	105.45	112.42
13	bJ	101	CLA	C3B-C4B-NB	2.57	112.83	110.53
13	cA	803	CLA	C3B-C4B-NB	2.57	112.83	110.53
13	cB	810	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
13	cA	824	CLA	CMC-C2C-C1C	2.57	129.05	125.03
13	aB	830	CLA	CAA-C2A-C3A	-2.57	106.05	113.00
13	dA	841	CLA	C4C-C3C-C2C	-2.57	103.15	106.89
15	bL	201	BCR	C27-C26-C25	2.57	126.18	122.70
15	dF	202	BCR	C27-C26-C25	2.57	126.18	122.70
13	aB	819	CLA	O2A-CGA-CBA	2.57	119.67	111.83
13	dA	837	CLA	CMC-C2C-C1C	2.57	129.05	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	841	CLA	C3B-C4B-NB	2.57	112.82	110.53
13	dA	835	CLA	O1D-CGD-CBD	-2.57	119.45	124.52
15	dL	201	BCR	C27-C26-C25	2.57	126.18	122.70
13	cB	819	CLA	CHD-C4C-NC	2.57	128.22	124.23
15	aL	201	BCR	C15-C14-C13	-2.57	123.67	127.28
13	aB	819	CLA	CHD-C4C-NC	2.57	128.21	124.23
13	bA	812	CLA	CMB-C2B-C1B	2.57	129.33	125.42
13	aB	819	CLA	CAA-C2A-C3A	-2.57	106.06	113.00
13	dB	826	CLA	CHB-C4A-NA	2.57	128.11	124.40
13	cL	203	CLA	CHD-C4C-NC	2.57	128.21	124.23
13	aB	807	CLA	CHB-C4A-NA	2.57	128.10	124.40
13	bA	814	CLA	CHB-C4A-NA	2.57	128.10	124.40
15	aA	849	BCR	C15-C14-C13	-2.57	123.68	127.28
13	bB	807	CLA	CMC-C2C-C1C	2.57	129.04	125.03
13	cB	824	CLA	CMC-C2C-C1C	2.57	129.04	125.03
13	dA	810	CLA	CMC-C2C-C1C	2.57	129.04	125.03
13	aA	820	CLA	O2A-CGA-CBA	2.57	119.66	111.83
13	cA	818	CLA	CHB-C4A-NA	2.57	128.10	124.40
13	dA	818	CLA	CAC-C3C-C4C	2.57	128.13	124.79
13	cA	808	CLA	O2A-CGA-CBA	2.57	119.66	111.83
13	cA	820	CLA	O2A-CGA-CBA	2.57	119.66	111.83
16	bA	853	LHG	C11-C10-C9	-2.57	101.40	114.37
13	dL	203	CLA	C4B-C3B-C2B	-2.57	104.11	107.30
13	bB	826	CLA	CHB-C4A-NA	2.57	128.10	124.40
13	aB	810	CLA	O2D-CGD-O1D	-2.57	118.86	123.85
15	dA	851	BCR	C24-C23-C22	-2.56	122.44	126.23
13	aA	823	CLA	CBC-CAC-C3C	-2.56	105.47	112.42
13	bA	809	CLA	CBC-CAC-C3C	-2.56	105.47	112.42
15	cA	849	BCR	C15-C14-C13	-2.56	123.68	127.28
13	cB	815	CLA	CHB-C4A-NA	2.56	128.10	124.40
13	dA	809	CLA	CBC-CAC-C3C	-2.56	105.47	112.42
13	bA	825	CLA	O2A-CGA-O1A	-2.56	117.22	123.63
13	aA	820	CLA	CHD-C4C-NC	2.56	128.20	124.23
13	dA	804	CLA	CHD-C4C-NC	2.56	128.20	124.23
15	bA	851	BCR	C24-C23-C22	-2.56	122.45	126.23
13	dA	830	CLA	CHD-C4C-NC	2.56	128.20	124.23
13	cB	819	CLA	CAA-C2A-C3A	-2.56	106.08	113.00
13	cB	810	CLA	CBC-CAC-C3C	-2.56	105.48	112.42
13	cA	803	CLA	CMB-C2B-C3B	2.56	132.57	126.55
16	dA	853	LHG	C11-C10-C9	-2.56	101.43	114.37
15	aK	202	BCR	C7-C8-C9	-2.56	122.45	126.23
13	cA	803	CLA	O2D-CGD-O1D	-2.56	118.87	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	823	CLA	CBC-CAC-C3C	-2.56	105.48	112.42
13	aA	808	CLA	O2A-CGA-CBA	2.56	119.64	111.83
13	cB	816	CLA	CHD-C4C-NC	2.56	128.20	124.23
13	aA	833	CLA	O1D-CGD-CBD	-2.56	119.47	124.52
13	bA	803	CLA	CHB-C1B-C2B	-2.56	120.00	127.43
13	cA	834	CLA	C4-C3-C5	2.56	119.67	115.23
12	dA	801	CL0	C3D-C4D-ND	2.56	117.04	112.94
13	aB	814	CLA	C4-C3-C5	2.56	119.67	115.23
13	aA	819	CLA	CBA-CAA-C2A	2.56	121.40	113.79
13	bL	203	CLA	C4B-C3B-C2B	-2.56	104.12	107.30
13	cB	811	CLA	C11-C10-C8	-2.56	107.47	115.97
13	cA	822	CLA	CMB-C2B-C1B	2.56	129.31	125.42
13	bA	841	CLA	C4C-C3C-C2C	-2.56	103.17	106.89
13	bA	830	CLA	CHD-C4C-NC	2.56	128.19	124.23
13	aB	812	CLA	CMB-C2B-C1B	2.56	129.31	125.42
15	cK	202	BCR	C7-C8-C9	-2.56	122.45	126.23
13	aB	807	CLA	C4C-C3C-C2C	-2.55	103.17	106.89
13	aA	803	CLA	CMB-C2B-C3B	2.55	132.56	126.55
13	bA	821	CLA	C3C-C4C-NC	2.55	113.70	110.43
13	dA	812	CLA	CMB-C2B-C1B	2.55	129.31	125.42
13	aB	811	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
13	aB	815	CLA	CHB-C4A-NA	2.55	128.09	124.40
13	cB	812	CLA	CMB-C2B-C1B	2.55	129.31	125.42
13	bA	804	CLA	CHD-C4C-NC	2.55	128.19	124.23
15	cJ	103	BCR	C7-C8-C9	-2.55	122.46	126.23
13	aA	803	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
13	cB	813	CLA	CMA-C3A-C2A	-2.55	104.11	113.98
13	dA	803	CLA	CHB-C1B-C2B	-2.55	120.02	127.43
13	aB	824	CLA	CMC-C2C-C1C	2.55	129.02	125.03
15	aJ	103	BCR	C7-C8-C9	-2.55	122.46	126.23
13	aA	822	CLA	CMB-C2B-C1B	2.55	129.30	125.42
13	aA	818	CLA	CMC-C2C-C1C	2.55	129.02	125.03
13	aA	803	CLA	C3B-C4B-NB	2.55	112.81	110.53
13	cA	834	CLA	CHB-C4A-NA	2.55	128.08	124.40
12	bA	801	CL0	C3D-C4D-ND	2.55	117.03	112.94
15	cJ	104	BCR	C27-C26-C25	2.55	126.15	122.70
13	cB	817	CLA	CMB-C2B-C1B	2.55	129.30	125.42
13	bA	836	CLA	CMA-C3A-C4A	-2.55	104.92	111.77
13	dA	842	CLA	C4B-C3B-C2B	-2.55	104.13	107.30
13	aB	832	CLA	CHA-C1A-NA	-2.55	120.62	126.39
13	bA	835	CLA	C11-C12-C13	-2.55	107.49	115.97
13	bJ	101	CLA	CHB-C4A-NA	2.55	128.08	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	813	CLA	CMA-C3A-C2A	-2.55	104.13	113.98
13	aA	841	CLA	CHD-C4C-NC	2.55	128.18	124.23
13	aB	811	CLA	C11-C10-C8	-2.55	107.50	115.97
13	dB	826	CLA	O2A-CGA-CBA	2.55	119.60	111.83
15	dM	101	BCR	C15-C14-C13	-2.55	123.70	127.28
13	aB	812	CLA	C3B-C4B-NB	2.55	112.80	110.53
13	cA	826	CLA	O2A-CGA-CBA	2.55	119.60	111.83
13	aA	834	CLA	C4-C3-C5	2.55	119.65	115.23
13	dB	806	CLA	CHD-C4C-NC	2.55	128.18	124.23
13	bB	802	CLA	CMA-C3A-C4A	-2.55	104.93	111.77
13	aA	826	CLA	O2A-CGA-CBA	2.55	119.60	111.83
13	cB	812	CLA	C3B-C4B-NB	2.55	112.80	110.53
13	dA	835	CLA	C11-C12-C13	-2.55	107.50	115.97
13	dA	836	CLA	CMA-C3A-C4A	-2.55	104.93	111.77
13	aA	841	CLA	CED-O2D-CGD	2.55	121.69	115.92
13	dA	805	CLA	CAC-C3C-C4C	2.55	128.10	124.79
13	aB	817	CLA	CMB-C2B-C1B	2.55	129.29	125.42
13	cB	814	CLA	C4-C3-C5	2.54	119.64	115.23
13	bB	818	CLA	O2A-CGA-CBA	2.54	119.59	111.83
13	cB	824	CLA	CBC-CAC-C3C	-2.54	105.52	112.42
13	aA	835	CLA	CHB-C4A-NA	2.54	128.07	124.40
15	aF	203	BCR	C7-C8-C9	-2.54	122.47	126.23
13	aB	824	CLA	CBC-CAC-C3C	-2.54	105.53	112.42
13	bB	806	CLA	CHD-C4C-NC	2.54	128.18	124.23
13	cA	818	CLA	CMC-C2C-C1C	2.54	129.01	125.03
13	bB	828	CLA	CMA-C3A-C4A	-2.54	104.94	111.77
13	dB	802	CLA	CMA-C3A-C4A	-2.54	104.94	111.77
18	aB	839	LMG	O2-C2-C1	-2.54	104.02	110.08
13	dL	203	CLA	CBC-CAC-C3C	-2.54	105.53	112.42
13	aB	809	CLA	CHB-C4A-NA	2.54	128.07	124.40
13	cA	841	CLA	CHD-C4C-NC	2.54	128.17	124.23
13	dB	818	CLA	O2A-CGA-CBA	2.54	119.58	111.83
13	cA	819	CLA	CBA-CAA-C2A	2.54	121.35	113.79
13	cB	809	CLA	CHB-C4A-NA	2.54	128.07	124.40
13	dB	830	CLA	CMB-C2B-C1B	2.54	129.29	125.42
13	dA	821	CLA	C3C-C4C-NC	2.54	113.68	110.43
13	bA	832	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
15	bI	102	BCR	C27-C26-C25	2.54	126.14	122.70
13	aA	834	CLA	CHB-C4A-NA	2.54	128.06	124.40
13	cA	836	CLA	CHB-C4A-NA	2.54	128.06	124.40
13	dA	821	CLA	CMA-C3A-C4A	-2.54	104.95	111.77
13	cB	811	CLA	O2D-CGD-O1D	-2.54	118.91	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	841	CLA	CED-O2D-CGD	2.54	121.67	115.92
13	dB	826	CLA	CBC-CAC-C3C	-2.54	105.54	112.42
13	dB	828	CLA	CMA-C3A-C4A	-2.54	104.95	111.77
12	aA	801	CL0	C3D-C4D-ND	2.54	117.01	112.94
13	dL	203	CLA	CHB-C1B-C2B	-2.54	120.06	127.43
13	dB	807	CLA	CMC-C2C-C1C	2.54	129.00	125.03
13	cA	803	CLA	CHB-C1B-C2B	-2.54	120.06	127.43
15	cA	847	BCR	C7-C8-C9	-2.54	122.48	126.23
13	cB	827	CLA	CHB-C4A-NA	2.54	128.06	124.40
13	bA	818	CLA	CAC-C3C-C4C	2.54	128.09	124.79
15	bJ	102	BCR	C33-C5-C6	-2.54	121.72	124.48
13	aA	803	CLA	CHB-C1B-C2B	-2.54	120.06	127.43
13	dA	802	CLA	O1D-CGD-CBD	-2.54	119.52	124.52
13	bA	805	CLA	CAC-C3C-C4C	2.54	128.09	124.79
15	bM	101	BCR	C15-C14-C13	-2.54	123.72	127.28
13	cA	835	CLA	CHB-C4A-NA	2.54	128.06	124.40
18	cB	839	LMG	O2-C2-C1	-2.54	104.03	110.08
13	cB	820	CLA	C4B-C3B-C2B	-2.53	104.15	107.30
13	bB	826	CLA	O2A-CGA-CBA	2.53	119.56	111.83
13	bB	826	CLA	CHD-C4C-NC	2.53	128.16	124.23
13	dA	833	CLA	O1D-CGD-CBD	-2.53	119.52	124.52
13	cB	823	CLA	CBC-CAC-C3C	-2.53	105.55	112.42
13	aA	813	CLA	CHB-C4A-NA	2.53	128.06	124.40
13	cB	807	CLA	C4C-C3C-C2C	-2.53	103.20	106.89
13	aA	831	CLA	O2A-CGA-CBA	2.53	119.56	111.83
13	dJ	101	CLA	CHB-C4A-NA	2.53	128.06	124.40
15	aA	845	BCR	C11-C10-C9	-2.53	123.73	127.28
15	cA	845	BCR	C11-C10-C9	-2.53	123.73	127.28
13	dA	827	CLA	C4-C3-C5	2.53	119.62	115.23
13	aL	203	CLA	CHD-C4C-NC	2.53	128.16	124.23
13	bA	802	CLA	O1D-CGD-CBD	-2.53	119.53	124.52
13	bA	821	CLA	CMA-C3A-C4A	-2.53	104.97	111.77
15	bA	847	BCR	C15-C14-C13	-2.53	123.73	127.28
13	bB	819	CLA	C4C-C3C-C2C	-2.53	103.21	106.89
13	aA	817	CLA	CHD-C4C-NC	2.53	128.16	124.23
13	dA	825	CLA	O2A-CGA-O1A	-2.53	117.30	123.63
13	bL	203	CLA	CBC-CAC-C3C	-2.53	105.56	112.42
12	cA	801	CL0	C3D-C4D-ND	2.53	117.00	112.94
13	dB	830	CLA	CHB-C4A-NA	2.53	128.05	124.40
13	dA	809	CLA	CMB-C2B-C1B	2.53	129.27	125.42
13	cA	843	CLA	O2A-CGA-CBA	2.53	119.55	111.83
15	cF	203	BCR	C7-C8-C9	-2.53	122.49	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	dI	102	BCR	C27-C26-C25	2.53	126.12	122.70
13	aA	819	CLA	CMC-C2C-C1C	2.53	128.99	125.03
13	dA	832	CLA	CBC-CAC-C3C	-2.53	105.57	112.42
13	dA	821	CLA	CHC-C1C-NC	2.53	128.12	124.31
13	bB	826	CLA	CBC-CAC-C3C	-2.53	105.57	112.42
13	aB	820	CLA	C4B-C3B-C2B	-2.53	104.16	107.30
13	bA	842	CLA	C4B-C3B-C2B	-2.53	104.16	107.30
13	bA	817	CLA	O2A-CGA-CBA	2.53	119.54	111.83
13	aB	825	CLA	CHD-C4C-NC	2.53	128.15	124.23
13	cA	817	CLA	CHD-C4C-NC	2.53	128.15	124.23
13	bL	203	CLA	CHB-C1B-C2B	-2.53	120.09	127.43
13	cA	823	CLA	CMC-C2C-C1C	2.53	128.98	125.03
13	cB	832	CLA	CHA-C1A-NA	-2.53	120.67	126.39
15	dA	847	BCR	C15-C14-C13	-2.53	123.73	127.28
15	cF	202	BCR	C40-C30-C25	2.53	114.20	110.24
13	bB	830	CLA	CHB-C4A-NA	2.53	128.04	124.40
13	cA	831	CLA	O2A-CGA-CBA	2.53	119.54	111.83
15	dF	202	BCR	C24-C23-C22	-2.53	122.50	126.23
13	aB	809	CLA	CBC-CAC-C3C	-2.53	105.57	112.42
13	dA	828	CLA	C4B-C3B-C2B	-2.53	104.16	107.30
15	dL	201	BCR	C15-C14-C13	-2.52	123.74	127.28
13	dA	826	CLA	O2D-CGD-O1D	-2.52	118.93	123.85
13	aF	204	CLA	CAA-C2A-C3A	-2.52	106.18	113.00
13	bA	815	CLA	CBB-CAB-C3B	-2.52	114.92	127.53
13	bA	821	CLA	CHC-C1C-NC	2.52	128.11	124.31
15	aL	205	BCR	C11-C10-C9	-2.52	123.74	127.28
15	cL	205	BCR	C11-C10-C9	-2.52	123.74	127.28
13	aB	828	CLA	CBC-CAC-C3C	-2.52	105.58	112.42
13	dA	821	CLA	CHA-C1A-NA	-2.52	120.68	126.39
13	aA	838	CLA	O2A-CGA-CBA	2.52	119.52	111.83
13	cB	825	CLA	CHD-C4C-NC	2.52	128.14	124.23
13	dA	806	CLA	CHD-C4C-NC	2.52	128.14	124.23
13	cA	838	CLA	O2A-CGA-CBA	2.52	119.52	111.83
18	cB	839	LMG	O6-C1-O1	-2.52	104.09	110.04
13	cB	828	CLA	CBC-CAC-C3C	-2.52	105.59	112.42
13	aA	843	CLA	O2A-CGA-CBA	2.52	119.52	111.83
13	cB	817	CLA	O2A-CGA-CBA	2.52	119.52	111.83
13	bF	201	CLA	CAC-C3C-C4C	2.52	128.07	124.79
13	dA	815	CLA	CBB-CAB-C3B	-2.52	114.93	127.53
15	cF	203	BCR	C30-C25-C26	-2.52	119.19	122.64
13	aA	835	CLA	C1-C2-C3	-2.52	122.07	126.20
13	aA	810	CLA	CHB-C4A-NA	2.52	128.04	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	836	CLA	CHB-C4A-NA	2.52	128.04	124.40
13	cA	810	CLA	CHB-C4A-NA	2.52	128.04	124.40
13	aB	823	CLA	CBC-CAC-C3C	-2.52	105.59	112.42
13	aK	204	CLA	O2D-CGD-O1D	-2.52	118.94	123.85
13	dL	203	CLA	O2A-CGA-CBA	2.52	119.52	111.83
13	cA	835	CLA	C1-C2-C3	-2.52	122.07	126.20
13	cA	819	CLA	CMC-C2C-C1C	2.52	128.97	125.03
13	bA	827	CLA	C4-C3-C5	2.52	119.60	115.23
13	cA	836	CLA	CMB-C2B-C1B	2.52	129.25	125.42
13	dL	203	CLA	C1C-C2C-C3C	-2.52	104.33	106.98
13	dB	817	CLA	CHD-C4C-NC	2.52	128.14	124.23
13	bL	203	CLA	O2A-CGA-CBA	2.52	119.51	111.83
15	bF	202	BCR	C24-C23-C22	-2.52	122.51	126.23
13	aA	803	CLA	C4B-C3B-C2B	-2.52	104.17	107.30
13	cJ	101	CLA	CBC-CAC-C3C	-2.52	105.60	112.42
13	bB	830	CLA	CMB-C2B-C1B	2.52	129.25	125.42
13	dB	807	CLA	O2A-CGA-CBA	2.52	119.51	111.83
13	cB	809	CLA	CBC-CAC-C3C	-2.52	105.60	112.42
13	bA	826	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
13	bA	832	CLA	CBC-CAC-C3C	-2.52	105.60	112.42
13	dA	817	CLA	O2A-CGA-CBA	2.51	119.50	111.83
13	bA	833	CLA	O1D-CGD-CBD	-2.51	119.56	124.52
13	bB	807	CLA	O2A-CGA-CBA	2.51	119.50	111.83
13	dA	833	CLA	CHB-C1B-C2B	-2.51	120.13	127.43
13	aB	827	CLA	CHB-C4A-NA	2.51	128.03	124.40
15	dB	836	BCR	C27-C26-C25	2.51	126.10	122.70
15	dJ	102	BCR	C33-C5-C6	-2.51	121.74	124.48
13	dA	832	CLA	O2D-CGD-O1D	-2.51	118.96	123.85
13	bB	811	CLA	CBA-CAA-C2A	2.51	121.27	113.79
13	dA	807	CLA	O1D-CGD-CBD	-2.51	119.56	124.52
13	dA	836	CLA	O1D-CGD-CBD	-2.51	119.56	124.52
15	aF	203	BCR	C30-C25-C26	-2.51	119.20	122.64
13	aA	839	CLA	CMB-C2B-C1B	2.51	129.24	125.42
13	dB	819	CLA	C4C-C3C-C2C	-2.51	103.23	106.89
13	bL	203	CLA	C1C-C2C-C3C	-2.51	104.34	106.98
13	aB	817	CLA	O2A-CGA-CBA	2.51	119.49	111.83
18	aB	839	LMG	O6-C1-O1	-2.51	104.11	110.04
13	aA	828	CLA	CMB-C2B-C1B	2.51	129.24	125.42
13	aJ	101	CLA	CBC-CAC-C3C	-2.51	105.61	112.42
13	aB	807	CLA	C3C-C4C-NC	2.51	113.65	110.43
13	bA	809	CLA	CMB-C2B-C1B	2.51	129.24	125.42
13	cA	827	CLA	O2D-CGD-O1D	-2.51	118.96	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	bL	201	BCR	C15-C14-C13	-2.51	123.76	127.28
15	cB	837	BCR	C15-C14-C13	-2.51	123.76	127.28
13	bA	828	CLA	C4B-C3B-C2B	-2.51	104.18	107.30
13	bA	825	CLA	CHB-C4A-NA	2.51	128.02	124.40
13	bA	807	CLA	O1D-CGD-CBD	-2.51	119.57	124.52
13	dJ	101	CLA	C3B-C4B-NB	2.51	112.77	110.53
13	aA	805	CLA	CMB-C2B-C1B	2.51	129.24	125.42
13	aA	821	CLA	O2A-CGA-CBA	2.51	119.48	111.83
13	cB	832	CLA	CMB-C2B-C1B	2.51	129.24	125.42
13	aA	827	CLA	CAA-CBA-CGA	-2.51	106.09	113.21
13	cA	829	CLA	CAA-C2A-C3A	-2.51	106.22	113.00
13	dA	816	CLA	CMB-C2B-C1B	2.51	129.24	125.42
13	cA	821	CLA	O2A-CGA-CBA	2.51	119.48	111.83
13	aB	819	CLA	CBC-CAC-C3C	-2.51	105.62	112.42
13	cB	819	CLA	CBC-CAC-C3C	-2.51	105.62	112.42
13	cA	839	CLA	CMB-C2B-C1B	2.51	129.24	125.42
13	dJ	101	CLA	CAA-C2A-C3A	-2.51	106.23	113.00
15	aF	202	BCR	C40-C30-C25	2.51	114.17	110.24
13	cF	204	CLA	CAA-C2A-C3A	-2.51	106.23	113.00
13	dF	201	CLA	CAC-C3C-C4C	2.51	128.05	124.79
13	cA	828	CLA	CMB-C2B-C1B	2.50	129.23	125.42
13	aA	823	CLA	CMC-C2C-C1C	2.50	128.95	125.03
15	aB	837	BCR	C24-C23-C22	-2.50	122.53	126.23
13	cB	807	CLA	C3C-C4C-NC	2.50	113.64	110.43
13	bA	839	CLA	CHD-C4C-NC	2.50	128.11	124.23
13	dB	811	CLA	CBA-CAA-C2A	2.50	121.24	113.79
13	bA	821	CLA	CHA-C1A-NA	-2.50	120.72	126.39
13	bA	813	CLA	CBC-CAC-C3C	-2.50	105.64	112.42
13	aA	836	CLA	CMB-C2B-C1B	2.50	129.23	125.42
13	dA	804	CLA	O1D-CGD-CBD	-2.50	119.58	124.52
12	aA	801	CL0	C1C-CHC-C4B	2.50	125.02	116.07
13	aB	808	CLA	CAA-C2A-C3A	-2.50	106.24	113.00
13	dA	818	CLA	O1D-CGD-CBD	-2.50	119.58	124.52
13	aB	832	CLA	CMB-C2B-C1B	2.50	129.23	125.42
13	cA	805	CLA	CMB-C2B-C1B	2.50	129.23	125.42
13	dA	813	CLA	CBC-CAC-C3C	-2.50	105.64	112.42
15	aB	837	BCR	C15-C14-C13	-2.50	123.77	127.28
13	cB	803	CLA	CAA-C2A-C3A	-2.50	106.24	113.00
13	cA	812	CLA	C4-C3-C5	2.50	119.57	115.23
13	bB	829	CLA	CMC-C2C-C1C	2.50	128.94	125.03
13	dB	826	CLA	CHD-C4C-NC	2.50	128.11	124.23
13	aA	812	CLA	C4-C3-C5	2.50	119.57	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	827	CLA	CAA-CBA-CGA	-2.50	106.11	113.21
13	cA	841	CLA	CAA-C2A-C3A	-2.50	106.24	113.00
13	aB	803	CLA	CAA-C2A-C3A	-2.50	106.24	113.00
13	bA	804	CLA	O1D-CGD-CBD	-2.50	119.59	124.52
13	dA	828	CLA	CMC-C2C-C1C	2.50	128.94	125.03
13	bA	827	CLA	C4C-C3C-C2C	-2.50	103.26	106.89
13	bA	816	CLA	CMB-C2B-C1B	2.50	129.22	125.42
13	aA	843	CLA	O2D-CGD-O1D	-2.50	118.99	123.85
13	dB	829	CLA	CMC-C2C-C1C	2.50	128.94	125.03
13	cA	803	CLA	C4B-C3B-C2B	-2.50	104.20	107.30
12	dA	801	CL0	C1C-CHC-C4B	2.50	125.00	116.07
13	aA	829	CLA	CAA-C2A-C3A	-2.50	106.25	113.00
13	cB	808	CLA	CAA-C2A-C3A	-2.50	106.25	113.00
13	dA	840	CLA	CAA-C2A-C3A	-2.50	106.25	113.00
12	bA	801	CL0	C1C-CHC-C4B	2.50	125.00	116.07
13	dA	825	CLA	CHB-C4A-NA	2.50	128.00	124.40
13	bA	833	CLA	CHB-C1B-C2B	-2.49	120.18	127.43
13	bA	837	CLA	CBC-CAC-C3C	-2.49	105.66	112.42
13	cA	813	CLA	CHB-C4A-NA	2.49	128.00	124.40
13	bA	818	CLA	O1D-CGD-CBD	-2.49	119.60	124.52
13	dB	812	CLA	O1D-CGD-CBD	-2.49	119.60	124.52
13	aA	841	CLA	CAA-C2A-C3A	-2.49	106.26	113.00
13	aB	826	CLA	C4-C3-C5	2.49	119.56	115.23
13	bA	840	CLA	CAA-C2A-C3A	-2.49	106.26	113.00
13	bJ	101	CLA	CAA-C2A-C3A	-2.49	106.26	113.00
13	bB	817	CLA	CHD-C4C-NC	2.49	128.10	124.23
13	bA	820	CLA	CHD-C4C-NC	2.49	128.09	124.23
13	dB	827	CLA	CMA-C3A-C4A	-2.49	105.08	111.77
13	dA	803	CLA	CMB-C2B-C3B	2.49	132.41	126.55
13	aA	827	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
13	aA	807	CLA	CMB-C2B-C1B	2.49	129.21	125.42
16	aA	851	LHG	C11-C10-C9	-2.49	101.78	114.37
13	cA	809	CLA	CHB-C4A-NA	2.49	127.99	124.40
13	dA	807	CLA	CHB-C4A-NA	2.49	127.99	124.40
12	cA	801	CL0	C1C-CHC-C4B	2.49	124.98	116.07
13	bB	827	CLA	CMA-C3A-C4A	-2.49	105.08	111.77
13	aA	834	CLA	CBC-CAC-C3C	-2.49	105.67	112.42
13	dA	837	CLA	CBC-CAC-C3C	-2.49	105.67	112.42
16	cA	851	LHG	C11-C10-C9	-2.49	101.79	114.37
18	dB	837	LMG	C38-C37-C36	-2.49	101.79	114.37
13	cA	843	CLA	O2D-CGD-O1D	-2.49	119.01	123.85
15	cB	837	BCR	C24-C23-C22	-2.49	122.56	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	bB	836	BCR	C27-C26-C25	2.49	126.06	122.70
15	aA	847	BCR	C7-C8-C9	-2.49	122.56	126.23
13	bA	806	CLA	CHD-C4C-NC	2.49	128.09	124.23
13	aA	817	CLA	O2A-CGA-CBA	2.49	119.41	111.83
13	bB	811	CLA	CMD-C2D-C3D	-2.49	121.99	127.69
13	cK	204	CLA	O2D-CGD-O1D	-2.48	119.01	123.85
18	bB	837	LMG	C38-C37-C36	-2.48	101.81	114.37
15	bA	848	BCR	C15-C16-C17	-2.48	118.44	123.52
13	aA	816	CLA	CAA-CBA-CGA	-2.48	105.86	112.49
13	cA	816	CLA	CAA-CBA-CGA	-2.48	105.87	112.49
13	bA	820	CLA	CAA-C2A-C3A	-2.48	106.29	113.00
15	aM	101	BCR	C27-C26-C25	2.48	126.06	122.70
13	bA	809	CLA	O1D-CGD-CBD	-2.48	119.62	124.52
13	dA	827	CLA	C4C-C3C-C2C	-2.48	103.28	106.89
13	cA	817	CLA	O2A-CGA-CBA	2.48	119.41	111.83
13	cA	834	CLA	CBC-CAC-C3C	-2.48	105.69	112.42
13	bB	812	CLA	O1D-CGD-CBD	-2.48	119.62	124.52
13	bB	812	CLA	C4B-C3B-C2B	-2.48	104.22	107.30
13	aA	832	CLA	CBC-CAC-C3C	-2.48	105.69	112.42
13	bA	836	CLA	O1D-CGD-CBD	-2.48	119.62	124.52
13	cB	826	CLA	C4-C3-C5	2.48	119.53	115.23
13	bA	803	CLA	CMB-C2B-C3B	2.48	132.39	126.55
13	bB	804	CLA	CHD-C4C-NC	2.48	128.08	124.23
13	dA	819	CLA	C4B-C3B-C2B	-2.48	104.22	107.30
13	cB	831	CLA	C1-C2-C3	-2.48	122.13	126.20
13	dB	812	CLA	C4B-C3B-C2B	-2.48	104.22	107.30
13	aA	825	CLA	C4C-C3C-C2C	-2.48	103.28	106.89
13	bB	823	CLA	CMA-C3A-C2A	-2.48	104.40	113.98
13	cA	834	CLA	CAC-C3C-C4C	2.48	128.01	124.79
13	cB	805	CLA	C1C-C2C-C3C	-2.48	104.37	106.98
13	aB	831	CLA	C1-O2A-CGA	2.48	122.65	116.65
13	dA	820	CLA	CAA-C2A-C3A	-2.48	106.30	113.00
15	aJ	104	BCR	C15-C14-C13	-2.48	123.80	127.28
13	dB	804	CLA	CHD-C4C-NC	2.48	128.07	124.23
13	dA	810	CLA	CMD-C2D-C3D	-2.48	122.01	127.69
13	bA	807	CLA	CHB-C4A-NA	2.48	127.97	124.40
13	cA	825	CLA	C4C-C3C-C2C	-2.48	103.29	106.89
13	dB	811	CLA	CMD-C2D-C3D	-2.48	122.01	127.69
13	aA	833	CLA	C1-C2-C3	-2.48	122.14	126.20
13	cA	807	CLA	CMB-C2B-C1B	2.48	129.19	125.42
13	aA	809	CLA	CHB-C4A-NA	2.48	127.97	124.40
13	aJ	101	CLA	CHB-C4A-NA	2.48	127.97	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	832	CLA	CBC-CAC-C3C	-2.47	105.71	112.42
13	dA	820	CLA	CHD-C4C-NC	2.47	128.07	124.23
13	dB	823	CLA	CMA-C3A-C2A	-2.47	104.42	113.98
13	aA	834	CLA	CAC-C3C-C4C	2.47	128.01	124.79
15	aK	205	BCR	C24-C23-C22	-2.47	122.58	126.23
13	dL	203	CLA	C4-C3-C5	2.47	119.52	115.23
13	dA	842	CLA	CHB-C4A-NA	2.47	127.97	124.40
13	cB	831	CLA	C1-O2A-CGA	2.47	122.64	116.65
13	bA	820	CLA	CBC-CAC-C3C	-2.47	105.72	112.42
13	cA	838	CLA	CHD-C4C-NC	2.47	128.06	124.23
13	bA	839	CLA	C1-O2A-CGA	2.47	122.64	116.65
13	aB	824	CLA	O1D-CGD-CBD	-2.47	119.64	124.52
13	aB	831	CLA	C1-C2-C3	-2.47	122.15	126.20
13	cB	823	CLA	CHD-C4C-NC	2.47	128.06	124.23
13	cA	804	CLA	CHB-C4A-NA	2.47	127.97	124.40
13	cJ	101	CLA	CHB-C4A-NA	2.47	127.97	124.40
13	cA	804	CLA	CBC-CAC-C3C	-2.47	105.72	112.42
13	cA	806	CLA	CMB-C2B-C1B	2.47	129.18	125.42
15	dL	204	BCR	C24-C23-C22	-2.47	122.58	126.23
13	dA	832	CLA	O2A-CGA-CBA	2.47	119.36	111.83
13	cA	841	CLA	CBC-CAC-C3C	-2.47	105.73	112.42
13	aA	841	CLA	CBC-CAC-C3C	-2.47	105.73	112.42
13	cB	832	CLA	O1D-CGD-CBD	-2.47	119.65	124.52
13	dA	809	CLA	O1D-CGD-CBD	-2.47	119.65	124.52
13	bA	810	CLA	CMD-C2D-C3D	-2.47	122.03	127.69
13	aB	817	CLA	CMC-C2C-C1C	2.47	128.89	125.03
15	aI	101	BCR	C24-C23-C22	-2.47	122.58	126.23
13	bA	819	CLA	C4B-C3B-C2B	-2.47	104.23	107.30
15	bI	101	BCR	C11-C10-C9	-2.47	123.82	127.28
13	bL	203	CLA	C4-C3-C5	2.47	119.51	115.23
13	aB	823	CLA	CHD-C4C-NC	2.47	128.06	124.23
13	aB	815	CLA	CMD-C2D-C3D	-2.47	122.03	127.69
13	cB	811	CLA	CAA-CBA-CGA	-2.47	106.21	113.21
13	bA	828	CLA	CMC-C2C-C1C	2.47	128.89	125.03
15	dA	848	BCR	C15-C16-C17	-2.47	118.47	123.52
13	cA	814	CLA	C4B-C3B-C2B	-2.47	104.24	107.30
12	aA	801	CL0	O2D-CGD-O1D	-2.47	119.05	123.85
13	aA	804	CLA	CHB-C4A-NA	2.46	127.96	124.40
13	aB	811	CLA	CAA-CBA-CGA	-2.46	106.21	113.21
13	aB	820	CLA	CHB-C1B-C2B	-2.46	120.27	127.43
13	aB	832	CLA	O1D-CGD-CBD	-2.46	119.66	124.52
13	aB	814	CLA	CAA-C2A-C3A	-2.46	106.34	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aK	203	CLA	CAA-C2A-C3A	-2.46	106.34	113.00
13	cB	815	CLA	CMD-C2D-C3D	-2.46	122.04	127.69
13	aA	806	CLA	CMB-C2B-C1B	2.46	129.17	125.42
13	aA	802	CLA	CHD-C4C-NC	2.46	128.05	124.23
13	aA	804	CLA	CBC-CAC-C3C	-2.46	105.74	112.42
13	bA	832	CLA	O2A-CGA-CBA	2.46	119.34	111.83
13	dA	830	CLA	CMA-C3A-C4A	-2.46	105.15	111.77
13	aA	809	CLA	C4-C3-C5	2.46	119.50	115.23
13	cK	203	CLA	CAA-C2A-C3A	-2.46	106.35	113.00
13	aA	822	CLA	C4B-C3B-C2B	-2.46	104.24	107.30
13	bA	830	CLA	CMA-C3A-C4A	-2.46	105.16	111.77
13	dA	839	CLA	C1-O2A-CGA	2.46	122.61	116.65
12	cA	801	CL0	O2D-CGD-O1D	-2.46	119.06	123.85
13	dB	827	CLA	CHD-C4C-NC	2.46	128.05	124.23
15	cM	101	BCR	C27-C26-C25	2.46	126.03	122.70
13	cB	801	CLA	CHD-C4C-NC	2.46	128.04	124.23
13	cB	820	CLA	CHB-C1B-C2B	-2.46	120.29	127.43
13	cF	201	CLA	CHD-C4C-NC	2.46	128.04	124.23
13	cB	814	CLA	CAA-C2A-C3A	-2.46	106.36	113.00
13	cB	811	CLA	O2A-CGA-O1A	-2.46	117.48	123.63
15	aJ	102	BCR	C30-C25-C26	-2.46	119.28	122.64
13	bB	830	CLA	CMC-C2C-C1C	2.46	128.88	125.03
13	dB	829	CLA	C6-C5-C3	2.46	119.46	113.47
13	bB	827	CLA	CHD-C4C-NC	2.46	128.04	124.23
13	cB	817	CLA	CMC-C2C-C1C	2.46	128.87	125.03
13	dB	826	CLA	CMA-C3A-C2A	-2.46	104.48	113.98
13	aF	201	CLA	CHD-C4C-NC	2.46	128.04	124.23
13	cB	809	CLA	C4-C3-C5	2.46	119.49	115.23
13	cB	804	CLA	C4B-C3B-C2B	-2.46	104.25	107.30
13	dA	834	CLA	CHB-C4A-NA	2.46	127.94	124.40
13	aA	829	CLA	CHC-C1C-C2C	-2.46	119.97	126.95
13	aB	822	CLA	CHA-C1A-NA	-2.46	120.83	126.39
13	cA	822	CLA	C4B-C3B-C2B	-2.46	104.25	107.30
15	dI	101	BCR	C11-C10-C9	-2.46	123.83	127.28
13	bB	829	CLA	C6-C5-C3	2.45	119.45	113.47
13	bA	839	CLA	CBC-CAC-C3C	-2.45	105.77	112.42
16	dA	852	LHG	C11-C10-C9	-2.45	101.96	114.37
13	aA	814	CLA	C4B-C3B-C2B	-2.45	104.25	107.30
13	dA	831	CLA	C1-C2-C3	-2.45	122.18	126.20
13	dA	839	CLA	CHD-C4C-NC	2.45	128.04	124.23
13	aA	811	CLA	C4C-C3C-C2C	-2.45	103.32	106.89
15	cI	101	BCR	C24-C23-C22	-2.45	122.61	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	811	CLA	O2A-CGA-O1A	-2.45	117.49	123.63
13	dB	814	CLA	C1-C2-C3	-2.45	122.18	126.20
13	bB	826	CLA	CMA-C3A-C2A	-2.45	104.50	113.98
13	cK	201	CLA	CMB-C2B-C1B	2.45	129.15	125.42
13	cB	822	CLA	CHA-C1A-NA	-2.45	120.84	126.39
13	cA	809	CLA	C4-C3-C5	2.45	119.48	115.23
13	dB	808	CLA	CMA-C3A-C4A	-2.45	105.18	111.77
15	cB	838	BCR	C24-C23-C22	-2.45	122.61	126.23
13	aA	842	CLA	CMB-C2B-C1B	2.45	129.15	125.42
13	bA	842	CLA	CHB-C4A-NA	2.45	127.94	124.40
13	aA	838	CLA	CHD-C4C-NC	2.45	128.03	124.23
13	dA	838	CLA	C4-C3-C5	2.45	119.01	116.13
13	aA	828	CLA	CHB-C4A-NA	2.45	127.94	124.40
13	bA	832	CLA	CAA-C2A-C3A	-2.45	106.38	113.00
13	bA	839	CLA	CHB-C1B-C2B	-2.45	120.31	127.43
16	bA	852	LHG	C11-C10-C9	-2.45	101.98	114.37
13	dB	813	CLA	CHC-C1C-C2C	-2.45	119.98	126.95
13	aB	822	CLA	CHD-C4C-NC	2.45	128.03	124.23
13	dA	834	CLA	CHD-C4C-NC	2.45	128.03	124.23
13	aA	838	CLA	C1-C2-C3	-2.45	122.18	126.20
13	dA	820	CLA	CBC-CAC-C3C	-2.45	105.78	112.42
13	aA	811	CLA	O1D-CGD-CBD	-2.45	119.69	124.52
13	aB	805	CLA	C1C-C2C-C3C	-2.45	104.41	106.98
13	cB	805	CLA	C4B-C3B-C2B	-2.45	104.26	107.30
13	bA	826	CLA	C1-O2A-CGA	2.45	122.58	116.65
13	dA	805	CLA	C4B-C3B-C2B	-2.45	104.26	107.30
13	dA	829	CLA	C2A-C3A-C4A	-2.45	97.92	101.87
13	dA	839	CLA	CBC-CAC-C3C	-2.45	105.79	112.42
13	bB	832	CLA	CHD-C4C-NC	2.45	128.03	124.23
13	aB	826	CLA	CMC-C2C-C1C	2.45	128.86	125.03
13	cA	838	CLA	C4B-C3B-C2B	-2.45	104.26	107.30
15	aM	101	BCR	C24-C23-C22	-2.45	122.62	126.23
13	cA	832	CLA	CHB-C4A-NA	2.45	127.93	124.40
13	aK	201	CLA	CMB-C2B-C1B	2.45	129.14	125.42
13	cA	815	CLA	CAA-C2A-C3A	-2.45	106.39	113.00
13	bA	838	CLA	C4-C3-C5	2.45	119.01	116.13
13	dB	818	CLA	CHB-C1B-C2B	-2.44	120.33	127.43
13	bF	204	CLA	CAA-C2A-C3A	-2.44	106.39	113.00
13	bB	808	CLA	CMA-C3A-C4A	-2.44	105.20	111.77
13	aB	831	CLA	C4-C3-C5	2.44	119.47	115.23
13	bB	813	CLA	CHC-C1C-C2C	-2.44	120.00	126.95
13	cB	824	CLA	O1D-CGD-CBD	-2.44	119.70	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	831	CLA	C4-C3-C5	2.44	119.47	115.23
13	bB	814	CLA	C1-C2-C3	-2.44	122.19	126.20
13	aA	820	CLA	CAA-C2A-C3A	-2.44	106.40	113.00
13	dA	832	CLA	CAA-C2A-C3A	-2.44	106.40	113.00
13	aA	804	CLA	O2D-CGD-O1D	-2.44	119.09	123.85
13	bA	834	CLA	CHD-C4C-NC	2.44	128.02	124.23
13	bA	831	CLA	C1-C2-C3	-2.44	122.20	126.20
13	aB	809	CLA	C4-C3-C5	2.44	119.47	115.23
15	cJ	104	BCR	C15-C14-C13	-2.44	123.85	127.28
13	bA	825	CLA	C4C-C3C-C2C	-2.44	103.34	106.89
13	dA	825	CLA	C4C-C3C-C2C	-2.44	103.34	106.89
13	dB	811	CLA	CHB-C4A-NA	2.44	127.92	124.40
13	bB	818	CLA	CHB-C1B-C2B	-2.44	120.34	127.43
13	cA	820	CLA	CAA-C2A-C3A	-2.44	106.40	113.00
13	dA	832	CLA	C4B-C3B-C2B	-2.44	104.27	107.30
13	cA	802	CLA	CHD-C4C-NC	2.44	128.01	124.23
13	bA	829	CLA	C2A-C3A-C4A	-2.44	97.93	101.87
13	cA	811	CLA	O1D-CGD-CBD	-2.44	119.71	124.52
13	cA	833	CLA	C1-C2-C3	-2.44	122.20	126.20
13	aB	808	CLA	C2A-C3A-C4A	-2.44	97.93	101.87
13	dA	802	CLA	C4-C3-C5	2.44	119.46	115.23
13	bB	811	CLA	CHB-C4A-NA	2.44	127.92	124.40
13	cA	842	CLA	CMB-C2B-C1B	2.44	129.13	125.42
13	cB	831	CLA	CBC-CAC-C3C	-2.44	105.81	112.42
13	dA	826	CLA	C1-O2A-CGA	2.44	122.55	116.65
13	aA	819	CLA	CHB-C4A-NA	2.44	127.92	124.40
13	bA	819	CLA	O2D-CGD-O1D	-2.44	119.11	123.85
13	cA	829	CLA	CHC-C1C-C2C	-2.44	120.02	126.95
13	cA	838	CLA	C1-C2-C3	-2.44	122.20	126.20
13	aA	815	CLA	CAA-C2A-C3A	-2.44	106.42	113.00
13	dA	836	CLA	CHD-C4C-NC	2.44	128.01	124.23
13	dB	830	CLA	CMC-C2C-C1C	2.44	128.84	125.03
13	bA	844	CLA	CMB-C2B-C1B	2.44	129.13	125.42
15	cL	206	BCR	C11-C10-C9	-2.44	123.86	127.28
13	cA	804	CLA	O2D-CGD-O1D	-2.44	119.11	123.85
13	bA	835	CLA	CHB-C1B-C2B	-2.44	120.36	127.43
13	cB	830	CLA	CMB-C2B-C1B	2.44	129.13	125.42
13	aA	819	CLA	CBB-CAB-C3B	-2.44	115.36	127.53
13	aB	816	CLA	O2D-CGD-O1D	-2.44	119.11	123.85
13	bA	834	CLA	CHB-C4A-NA	2.44	127.91	124.40
13	dF	204	CLA	CAA-C2A-C3A	-2.43	106.42	113.00
13	cB	816	CLA	O2D-CGD-O1D	-2.43	119.11	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	829	CLA	CAA-C2A-C3A	-2.43	106.42	113.00
13	cL	203	CLA	CHB-C4A-NA	2.43	127.91	124.40
13	aB	804	CLA	C4B-C3B-C2B	-2.43	104.28	107.30
15	bA	851	BCR	C29-C30-C25	2.43	113.97	110.44
13	dA	827	CLA	C3B-C4B-NB	2.43	112.70	110.53
13	cA	819	CLA	CBB-CAB-C3B	-2.43	115.36	127.53
13	cB	826	CLA	CMC-C2C-C1C	2.43	128.84	125.03
13	cA	812	CLA	CBC-CAC-C3C	-2.43	105.82	112.42
13	dB	828	CLA	CMB-C2B-C1B	2.43	129.12	125.42
15	aA	847	BCR	C3-C4-C5	-2.43	109.72	114.06
15	dA	851	BCR	C29-C30-C25	2.43	113.97	110.44
15	aB	838	BCR	C24-C23-C22	-2.43	122.64	126.23
13	bB	813	CLA	CMB-C2B-C1B	2.43	129.12	125.42
13	dA	829	CLA	CAA-C2A-C3A	-2.43	106.43	113.00
13	dA	839	CLA	CHB-C1B-C2B	-2.43	120.37	127.43
13	cA	829	CLA	CHB-C1B-C2B	-2.43	120.37	127.43
13	cA	814	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
13	bA	823	CLA	C4C-C3C-C2C	-2.43	103.35	106.89
13	aB	801	CLA	O1D-CGD-CBD	-2.43	119.72	124.52
13	aA	814	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
13	dB	831	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
13	bB	806	CLA	C1-O2A-CGA	2.43	122.53	116.65
13	bA	832	CLA	C4B-C3B-C2B	-2.43	104.28	107.30
13	aA	812	CLA	CBC-CAC-C3C	-2.43	105.83	112.42
13	aA	813	CLA	CMC-C2C-C1C	2.43	128.83	125.03
13	cA	813	CLA	CMC-C2C-C1C	2.43	128.83	125.03
13	bA	827	CLA	C3B-C4B-NB	2.43	112.70	110.53
13	bB	831	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
15	cJ	102	BCR	C30-C25-C26	-2.43	119.32	122.64
13	cB	822	CLA	CHD-C4C-NC	2.43	128.00	124.23
13	cA	828	CLA	CHB-C4A-NA	2.43	127.91	124.40
13	dA	806	CLA	CBA-CAA-C2A	2.43	121.02	113.79
13	dL	202	CLA	CMC-C2C-C1C	2.43	128.83	125.03
13	dA	819	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
13	bA	802	CLA	C4-C3-C5	2.43	119.44	115.23
13	cB	808	CLA	C2A-C3A-C4A	-2.43	97.95	101.87
13	aA	832	CLA	CHB-C4A-NA	2.43	127.90	124.40
15	dJ	103	BCR	C15-C14-C13	-2.43	123.87	127.28
13	dB	811	CLA	C4-C3-C5	2.43	119.44	115.23
15	cA	849	BCR	C7-C8-C9	-2.43	122.64	126.23
13	aB	801	CLA	CHD-C4C-NC	2.43	128.00	124.23
15	cJ	102	BCR	C40-C30-C25	2.43	114.05	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	806	CLA	C1-O2A-CGA	2.43	122.52	116.65
15	cA	847	BCR	C3-C4-C5	-2.43	109.73	114.06
13	dA	813	CLA	CMB-C2B-C1B	2.43	129.11	125.42
13	cB	801	CLA	O1D-CGD-CBD	-2.43	119.73	124.52
13	dA	828	CLA	C4-C3-C5	2.43	119.44	115.23
15	aJ	102	BCR	C40-C30-C25	2.43	114.05	110.24
13	aA	824	CLA	CHB-C1B-C2B	-2.42	120.39	127.43
13	cB	812	CLA	CHB-C4A-NA	2.42	127.90	124.40
15	aI	101	BCR	C28-C27-C26	-2.42	109.73	114.06
15	aA	849	BCR	C7-C8-C9	-2.42	122.65	126.23
13	aA	808	CLA	C4-C3-C5	2.42	118.98	116.13
13	dB	808	CLA	CHD-C4C-NC	2.42	127.99	124.23
16	cA	850	LHG	C11-C10-C9	-2.42	102.12	114.37
13	aB	805	CLA	C4B-C3B-C2B	-2.42	104.29	107.30
13	aA	837	CLA	CHB-C1B-C2B	-2.42	120.39	127.43
13	bA	806	CLA	CBA-CAA-C2A	2.42	121.00	113.79
13	aB	812	CLA	CHB-C4A-NA	2.42	127.90	124.40
13	bA	822	CLA	C1-O2A-CGA	2.42	122.51	116.65
13	dB	813	CLA	CMB-C2B-C1B	2.42	129.11	125.42
13	dB	814	CLA	CHB-C4A-NA	2.42	127.89	124.40
15	bJ	104	BCR	C15-C16-C17	-2.42	118.56	123.52
15	aL	206	BCR	C11-C10-C9	-2.42	123.88	127.28
15	bJ	103	BCR	C15-C14-C13	-2.42	123.88	127.28
13	cA	837	CLA	CHB-C1B-C2B	-2.42	120.40	127.43
13	bB	815	CLA	CHB-C4A-NA	2.42	127.89	124.40
13	cB	818	CLA	C1-C2-C3	-2.42	122.23	126.20
13	bB	814	CLA	CHB-C4A-NA	2.42	127.89	124.40
13	bA	836	CLA	CHD-C4C-NC	2.42	127.98	124.23
13	dA	823	CLA	C4C-C3C-C2C	-2.42	103.37	106.89
13	bL	202	CLA	CMC-C2C-C1C	2.42	128.81	125.03
13	cB	811	CLA	CMC-C2C-C1C	2.42	128.81	125.03
16	aA	850	LHG	C11-C10-C9	-2.42	102.14	114.37
13	bA	838	CLA	CHA-C1A-NA	-2.42	120.91	126.39
13	aA	833	CLA	CMC-C2C-C1C	2.42	128.81	125.03
13	aB	811	CLA	CMC-C2C-C1C	2.42	128.81	125.03
13	cA	833	CLA	CMC-C2C-C1C	2.42	128.81	125.03
13	aB	824	CLA	C1-C2-C3	-2.42	122.23	126.20
13	bA	841	CLA	CHB-C1B-C2B	-2.42	120.41	127.43
13	aA	831	CLA	C4-C3-C5	2.42	119.42	115.23
13	dA	838	CLA	CHA-C1A-NA	-2.42	120.92	126.39
13	bB	808	CLA	CHD-C4C-NC	2.42	127.98	124.23
13	bA	805	CLA	C4B-C3B-C2B	-2.42	104.30	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	831	CLA	C4-C3-C5	2.42	119.42	115.23
13	dA	835	CLA	CHB-C1B-C2B	-2.42	120.41	127.43
13	cF	201	CLA	C4B-C3B-C2B	-2.42	104.30	107.30
13	aB	831	CLA	CBC-CAC-C3C	-2.42	105.87	112.42
13	dA	841	CLA	CHB-C1B-C2B	-2.42	120.41	127.43
13	dJ	101	CLA	CHB-C1B-C2B	-2.42	120.41	127.43
13	aA	832	CLA	C3B-C4B-NB	2.42	112.69	110.53
13	bB	811	CLA	C4-C3-C5	2.42	119.42	115.23
13	cA	808	CLA	C4-C3-C5	2.42	118.97	116.13
13	aA	829	CLA	CHB-C1B-C2B	-2.42	120.41	127.43
13	aB	818	CLA	C1-C2-C3	-2.42	122.24	126.20
13	cA	836	CLA	CHD-C4C-NC	2.42	127.98	124.23
13	dF	201	CLA	CAA-CBA-CGA	-2.42	106.35	113.21
13	dB	802	CLA	C5-C3-C2	-2.42	115.75	121.17
13	dA	822	CLA	C1-O2A-CGA	2.42	122.50	116.65
13	cA	811	CLA	C4C-C3C-C2C	-2.42	103.38	106.89
13	aB	821	CLA	C3B-C4B-NB	2.42	112.69	110.53
13	aB	814	CLA	O2A-CGA-O1A	-2.42	117.59	123.63
15	cM	101	BCR	C24-C23-C22	-2.41	122.66	126.23
13	aK	201	CLA	C4C-C3C-C2C	-2.41	103.38	106.89
13	dB	805	CLA	C4-C3-C5	2.41	119.42	115.23
13	bB	802	CLA	C5-C3-C2	-2.41	115.75	121.17
13	aK	203	CLA	CBC-CAC-C3C	-2.41	105.88	112.42
13	cK	201	CLA	C4C-C3C-C2C	-2.41	103.38	106.89
13	aB	830	CLA	CMB-C2B-C1B	2.41	129.09	125.42
13	bB	816	CLA	O2D-CGD-O1D	-2.41	119.15	123.85
13	aL	203	CLA	C1-C2-C3	-2.41	122.25	126.20
13	cA	843	CLA	C1-C2-C3	-2.41	122.25	126.20
13	dA	840	CLA	CMC-C2C-C1C	2.41	128.80	125.03
15	cI	101	BCR	C28-C27-C26	-2.41	109.76	114.06
13	bA	828	CLA	C4-C3-C5	2.41	119.41	115.23
13	bA	825	CLA	C4B-C3B-C2B	-2.41	104.30	107.30
13	bB	828	CLA	CMB-C2B-C1B	2.41	129.09	125.42
13	bF	201	CLA	CAA-CBA-CGA	-2.41	106.36	113.21
13	aA	836	CLA	CHD-C4C-NC	2.41	127.97	124.23
13	bB	832	CLA	CMB-C2B-C1B	2.41	129.09	125.42
13	bA	811	CLA	O2D-CGD-O1D	-2.41	119.16	123.85
13	cK	203	CLA	CBC-CAC-C3C	-2.41	105.89	112.42
13	bB	818	CLA	CAA-C2A-C3A	-2.41	106.49	113.00
13	aA	804	CLA	CMB-C2B-C1B	2.41	129.09	125.42
13	bA	840	CLA	CMC-C2C-C1C	2.41	128.80	125.03
13	bB	824	CLA	CBA-CAA-C2A	2.41	120.96	113.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	dJ	102	BCR	C7-C8-C9	-2.41	122.67	126.23
13	cA	843	CLA	CAC-C3C-C2C	2.41	131.98	127.56
13	cB	824	CLA	C1-C2-C3	-2.41	122.25	126.20
13	bA	813	CLA	CMB-C2B-C1B	2.41	129.09	125.42
13	bB	805	CLA	C4-C3-C5	2.41	119.41	115.23
13	cB	811	CLA	C4C-C3C-C2C	-2.41	103.39	106.89
13	dB	818	CLA	CAA-C2A-C3A	-2.41	106.50	113.00
13	cA	812	CLA	CHD-C4C-NC	2.41	127.96	124.23
13	dB	832	CLA	CHD-C4C-NC	2.41	127.96	124.23
13	aL	203	CLA	CHB-C4A-NA	2.41	127.87	124.40
13	dB	824	CLA	CBA-CAA-C2A	2.41	120.95	113.79
13	cA	824	CLA	CHB-C1B-C2B	-2.41	120.44	127.43
13	dA	844	CLA	CMB-C2B-C1B	2.41	129.08	125.42
13	bJ	101	CLA	CHB-C1B-C2B	-2.41	120.44	127.43
13	cA	815	CLA	CHB-C4A-NA	2.41	127.87	124.40
13	bB	827	CLA	CMC-C2C-C1C	2.41	128.79	125.03
15	aL	206	BCR	C24-C23-C22	-2.41	122.68	126.23
13	bA	828	CLA	CAA-CBA-CGA	-2.40	106.38	113.21
13	dB	832	CLA	CMC-C2C-C3C	2.40	132.65	126.15
13	aA	815	CLA	CHB-C4A-NA	2.40	127.87	124.40
13	dB	815	CLA	CHB-C4A-NA	2.40	127.87	124.40
13	dA	828	CLA	CBC-CAC-C3C	-2.40	105.91	112.42
13	aA	823	CLA	CHB-C4A-NA	2.40	127.87	124.40
15	dJ	104	BCR	C15-C16-C17	-2.40	118.60	123.52
13	cB	807	CLA	CMC-C2C-C1C	2.40	128.79	125.03
13	cB	813	CLA	CHB-C4A-NA	2.40	127.87	124.40
13	bB	832	CLA	C4-C3-C5	2.40	119.40	115.23
13	dB	816	CLA	O2D-CGD-O1D	-2.40	119.17	123.85
13	cB	814	CLA	O2A-CGA-O1A	-2.40	117.62	123.63
13	aK	204	CLA	CGD-CBD-CAD	-2.40	103.07	110.85
13	dB	832	CLA	C4-C3-C5	2.40	119.40	115.23
13	cA	830	CLA	CHB-C4A-NA	2.40	127.86	124.40
13	aA	808	CLA	CHD-C4C-NC	2.40	127.95	124.23
13	bB	832	CLA	CMC-C2C-C3C	2.40	132.64	126.15
13	aA	816	CLA	C4B-C3B-C2B	-2.40	104.32	107.30
13	cA	831	CLA	CHB-C4A-NA	2.40	127.86	124.40
13	bA	828	CLA	CBC-CAC-C3C	-2.40	105.91	112.42
13	bB	816	CLA	C1-C2-C3	-2.40	122.27	126.20
13	dB	809	CLA	CHB-C4A-NA	2.40	127.86	124.40
13	bB	819	CLA	O1D-CGD-CBD	-2.40	119.79	124.52
13	aB	816	CLA	CHB-C4A-NA	2.40	127.86	124.40
13	cB	816	CLA	CHB-C4A-NA	2.40	127.86	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	831	CLA	CAC-C3C-C4C	2.40	127.91	124.79
13	aA	843	CLA	CAC-C3C-C2C	2.40	131.97	127.56
13	cA	819	CLA	CHB-C4A-NA	2.40	127.86	124.40
13	dA	811	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
13	aA	838	CLA	C4B-C3B-C2B	-2.40	104.32	107.30
13	aB	822	CLA	CED-O2D-CGD	2.40	121.36	115.92
13	cF	204	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
13	aA	821	CLA	C4C-C3C-C2C	-2.40	103.40	106.89
13	aA	842	CLA	CMC-C2C-C1C	2.40	128.78	125.03
13	bB	809	CLA	CHB-C4A-NA	2.40	127.86	124.40
13	aA	828	CLA	CHB-C1B-C2B	-2.40	120.47	127.43
13	cA	814	CLA	O1D-CGD-CBD	-2.40	119.79	124.52
15	bJ	102	BCR	C7-C8-C9	-2.40	122.69	126.23
13	cA	829	CLA	C4B-C3B-C2B	-2.39	104.32	107.30
13	cA	828	CLA	CHB-C1B-C2B	-2.39	120.47	127.43
13	dB	819	CLA	O1D-CGD-CBD	-2.39	119.80	124.52
13	dA	828	CLA	CAA-CBA-CGA	-2.39	106.41	113.21
13	aA	839	CLA	O2A-CGA-O1A	-2.39	117.64	123.63
13	cB	808	CLA	OBD-CAD-C3D	-2.39	122.82	128.42
15	cL	205	BCR	C2-C1-C6	2.39	113.92	110.44
13	bA	805	CLA	C3B-C4B-NB	2.39	112.67	110.53
13	cB	821	CLA	C3B-C4B-NB	2.39	112.67	110.53
13	aA	828	CLA	CMA-C3A-C4A	-2.39	105.34	111.77
13	aB	807	CLA	CMC-C2C-C1C	2.39	128.77	125.03
13	cL	203	CLA	C1-C2-C3	-2.39	122.28	126.20
13	dA	825	CLA	C4B-C3B-C2B	-2.39	104.33	107.30
13	cB	815	CLA	CAA-C2A-C3A	-2.39	106.53	113.00
13	aB	813	CLA	CHB-C4A-NA	2.39	127.85	124.40
13	aA	823	CLA	C1-C2-C3	-2.39	122.28	126.20
13	cA	804	CLA	CMB-C2B-C1B	2.39	129.06	125.42
13	cA	843	CLA	CHC-C1C-NC	2.39	127.91	124.31
13	aF	204	CLA	O2D-CGD-O1D	-2.39	119.19	123.85
13	dB	827	CLA	CMC-C2C-C1C	2.39	128.77	125.03
13	cA	823	CLA	CHB-C4A-NA	2.39	127.85	124.40
13	aB	815	CLA	CAA-C2A-C3A	-2.39	106.54	113.00
13	dB	832	CLA	CMB-C2B-C1B	2.39	129.06	125.42
13	aB	811	CLA	C4C-C3C-C2C	-2.39	103.41	106.89
13	bB	826	CLA	CMC-C2C-C1C	2.39	128.77	125.03
13	cA	839	CLA	O2A-CGA-O1A	-2.39	117.65	123.63
15	aL	205	BCR	C2-C1-C6	2.39	113.91	110.44
13	aB	805	CLA	CAA-C2A-C3A	-2.39	106.54	113.00
13	aA	843	CLA	C1-C2-C3	-2.39	122.28	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	823	CLA	C1-C2-C3	-2.39	122.28	126.20
13	dB	828	CLA	O1D-CGD-CBD	-2.39	119.81	124.52
13	aA	815	CLA	C3B-C4B-NB	2.39	112.66	110.53
13	cA	832	CLA	C3B-C4B-NB	2.39	112.66	110.53
13	dB	816	CLA	C1-C2-C3	-2.39	122.28	126.20
13	cA	828	CLA	CMA-C3A-C4A	-2.39	105.36	111.77
13	aA	831	CLA	CHB-C4A-NA	2.39	127.85	124.40
13	dA	829	CLA	CHB-C4A-NA	2.39	127.84	124.40
13	cB	805	CLA	CAA-C2A-C3A	-2.39	106.55	113.00
13	cB	801	CLA	O2A-CGA-CBA	2.39	119.11	111.83
13	cA	813	CLA	C1-C2-C3	-2.39	122.29	126.20
13	cB	822	CLA	CED-O2D-CGD	2.39	121.33	115.92
13	cF	201	CLA	CAA-CBA-CGA	-2.39	106.44	113.21
13	cB	817	CLA	CBC-CAC-C3C	-2.38	105.95	112.42
13	cK	204	CLA	CGD-CBD-CAD	-2.38	103.13	110.85
13	aA	806	CLA	CBC-CAC-C3C	-2.38	105.96	112.42
13	cA	816	CLA	C4B-C3B-C2B	-2.38	104.34	107.30
13	aL	203	CLA	CMC-C2C-C1C	2.38	128.76	125.03
13	aB	801	CLA	O2A-CGA-CBA	2.38	119.11	111.83
13	aA	812	CLA	CHD-C4C-NC	2.38	127.93	124.23
13	bA	807	CLA	C11-C12-C13	-2.38	108.04	115.97
13	bA	810	CLA	CMB-C2B-C1B	2.38	129.05	125.42
13	aA	814	CLA	O1D-CGD-CBD	-2.38	119.82	124.52
13	aF	201	CLA	CAA-CBA-CGA	-2.38	106.44	113.21
13	dA	805	CLA	C3B-C4B-NB	2.38	112.66	110.53
13	bA	837	CLA	CMB-C2B-C1B	2.38	129.05	125.42
13	bA	843	CLA	CAC-C3C-C4C	2.38	127.89	124.79
13	aB	817	CLA	CBC-CAC-C3C	-2.38	105.96	112.42
13	aA	813	CLA	C1-C2-C3	-2.38	122.30	126.20
13	dA	807	CLA	C11-C12-C13	-2.38	108.05	115.97
13	aB	803	CLA	O2A-CGA-CBA	2.38	119.09	111.83
13	cB	801	CLA	CBC-CAC-C3C	-2.38	105.97	112.42
13	dA	824	CLA	CMB-C2B-C1B	2.38	129.04	125.42
13	aF	201	CLA	C4B-C3B-C2B	-2.38	104.34	107.30
13	dA	837	CLA	CMB-C2B-C1B	2.38	129.04	125.42
13	cA	831	CLA	CAC-C3C-C4C	2.38	127.89	124.79
13	cA	842	CLA	CMC-C2C-C1C	2.38	128.75	125.03
13	aA	822	CLA	CHB-C4A-NA	2.38	127.83	124.40
15	bA	846	BCR	C16-C17-C18	-2.38	123.94	127.28
13	dB	802	CLA	O2A-CGA-O1A	-2.38	117.68	123.63
13	bA	808	CLA	CMC-C2C-C1C	2.38	128.75	125.03
15	cB	838	BCR	C16-C15-C14	-2.38	118.66	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	821	CLA	C4B-C3B-C2B	-2.38	104.35	107.30
13	dA	820	CLA	CHB-C1B-C2B	-2.38	120.53	127.43
13	dB	816	CLA	CMD-C2D-C3D	-2.38	122.24	127.69
13	bA	829	CLA	CHB-C4A-NA	2.38	127.83	124.40
13	aA	829	CLA	C4B-C3B-C2B	-2.38	104.35	107.30
13	dB	810	CLA	C2A-C3A-C4A	-2.38	98.03	101.87
13	cK	204	CLA	CMB-C2B-C1B	2.38	129.04	125.42
13	cA	806	CLA	CBC-CAC-C3C	-2.38	105.98	112.42
15	cA	847	BCR	C29-C30-C25	2.38	113.89	110.44
13	cA	838	CLA	CHB-C4A-NA	2.38	127.83	124.40
13	dA	834	CLA	CBB-CAB-C3B	-2.38	115.66	127.53
13	cA	821	CLA	C4C-C3C-C2C	-2.37	103.44	106.89
13	cJ	101	CLA	CAA-C2A-C3A	-2.37	106.58	113.00
13	aB	801	CLA	CBC-CAC-C3C	-2.37	105.98	112.42
13	bA	834	CLA	CBB-CAB-C3B	-2.37	115.67	127.53
16	bA	852	LHG	C18-C17-C16	-2.37	102.37	114.37
13	dA	843	CLA	CAC-C3C-C4C	2.37	127.88	124.79
13	bB	811	CLA	CMA-C3A-C4A	-2.37	105.39	111.77
13	dB	811	CLA	CMA-C3A-C4A	-2.37	105.39	111.77
13	aK	204	CLA	CHB-C4A-NA	2.37	127.83	124.40
13	bA	820	CLA	CHB-C1B-C2B	-2.37	120.54	127.43
13	dB	803	CLA	O1D-CGD-CBD	-2.37	119.84	124.52
13	bB	821	CLA	C4B-C3B-C2B	-2.37	104.35	107.30
15	cA	847	BCR	C2-C1-C6	2.37	113.89	110.44
13	aA	843	CLA	CHC-C1C-NC	2.37	127.89	124.31
13	bA	836	CLA	O2A-CGA-O1A	-2.37	117.69	123.63
15	dA	846	BCR	C16-C17-C18	-2.37	123.95	127.28
13	bA	843	CLA	CMC-C2C-C1C	2.37	128.74	125.03
13	cB	803	CLA	O2A-CGA-CBA	2.37	119.07	111.83
13	bB	816	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
13	aB	811	CLA	CHA-C1A-NA	-2.37	121.02	126.39
13	bB	810	CLA	C2A-C3A-C4A	-2.37	98.04	101.87
13	aA	838	CLA	CHB-C4A-NA	2.37	127.82	124.40
13	cA	822	CLA	CHB-C4A-NA	2.37	127.82	124.40
13	cA	808	CLA	CHD-C4C-NC	2.37	127.91	124.23
13	aA	836	CLA	CMC-C2C-C1C	2.37	128.74	125.03
13	dA	843	CLA	CMC-C2C-C1C	2.37	128.74	125.03
13	dB	820	CLA	CMC-C2C-C1C	2.37	128.74	125.03
13	aJ	101	CLA	CAA-C2A-C3A	-2.37	106.59	113.00
13	cA	805	CLA	C3B-C4B-NB	2.37	112.65	110.53
13	cA	836	CLA	CMC-C2C-C1C	2.37	128.74	125.03
13	dA	808	CLA	CMC-C2C-C1C	2.37	128.74	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	830	CLA	O1D-CGD-CBD	-2.37	119.84	124.52
16	dA	852	LHG	C18-C17-C16	-2.37	102.39	114.37
13	dA	810	CLA	CMB-C2B-C1B	2.37	129.03	125.42
13	aA	830	CLA	CHB-C4A-NA	2.37	127.82	124.40
13	aA	828	CLA	O1D-CGD-CBD	-2.37	119.84	124.52
13	bB	828	CLA	O1D-CGD-CBD	-2.37	119.84	124.52
15	aA	847	BCR	C29-C30-C25	2.37	113.88	110.44
13	bB	829	CLA	CHA-C1A-NA	-2.37	121.03	126.39
13	aB	830	CLA	O1D-CGD-CBD	-2.37	119.85	124.52
13	dA	819	CLA	C1-C2-C3	-2.37	122.32	126.20
15	cK	202	BCR	C27-C26-C25	2.37	125.90	122.70
13	bA	824	CLA	CMB-C2B-C1B	2.37	129.02	125.42
13	bA	819	CLA	C1-C2-C3	-2.37	122.32	126.20
15	cL	206	BCR	C24-C23-C22	-2.37	122.73	126.23
13	cB	811	CLA	CHA-C1A-NA	-2.37	121.03	126.39
13	aB	808	CLA	C3B-C4B-NB	2.37	112.64	110.53
13	cL	203	CLA	CMC-C2C-C1C	2.37	128.73	125.03
13	dB	826	CLA	CHB-C1B-NB	-2.37	120.50	124.05
13	dA	822	CLA	CHB-C4A-NA	2.37	127.81	124.40
13	bB	802	CLA	O2A-CGA-O1A	-2.37	117.71	123.63
13	aB	808	CLA	OBD-CAD-C3D	-2.37	122.89	128.42
13	dB	826	CLA	CMC-C2C-C1C	2.37	128.73	125.03
16	dA	852	LHG	C20-C19-C18	-2.37	102.41	114.37
13	cB	812	CLA	C6-C7-C8	-2.37	108.10	115.97
13	bB	823	CLA	O1D-CGD-CBD	-2.37	119.85	124.52
13	dB	820	CLA	CED-O2D-CGD	2.36	121.28	115.92
13	dA	836	CLA	O2A-CGA-O1A	-2.36	117.71	123.63
15	cA	845	BCR	C15-C14-C13	-2.36	123.96	127.28
13	cB	830	CLA	CHB-C4A-NA	2.36	127.81	124.40
13	bB	804	CLA	C4A-NA-C1A	-2.36	105.60	106.68
13	dB	809	CLA	CBA-CAA-C2A	2.36	120.82	113.79
13	dB	823	CLA	O1D-CGD-CBD	-2.36	119.86	124.52
13	dB	829	CLA	CHA-C1A-NA	-2.36	121.04	126.39
15	cB	837	BCR	C11-C10-C9	-2.36	123.97	127.28
15	aK	202	BCR	C27-C26-C25	2.36	125.90	122.70
13	aA	827	CLA	CMC-C2C-C1C	2.36	128.72	125.03
13	bB	826	CLA	CHB-C1B-NB	-2.36	120.51	124.05
13	cK	204	CLA	CHB-C4A-NA	2.36	127.81	124.40
15	aB	838	BCR	C16-C15-C14	-2.36	118.69	123.52
13	cB	804	CLA	CHD-C4C-NC	2.36	127.89	124.23
16	bA	852	LHG	C20-C19-C18	-2.36	102.44	114.37
13	aB	812	CLA	C6-C7-C8	-2.36	108.12	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	815	CLA	CBB-CAB-C3B	-2.36	115.73	127.53
13	bB	803	CLA	O1D-CGD-CBD	-2.36	119.86	124.52
13	bB	820	CLA	CMC-C2C-C1C	2.36	128.72	125.03
15	aA	848	BCR	C29-C30-C25	2.36	113.87	110.44
13	aK	204	CLA	CMB-C2B-C1B	2.36	129.01	125.42
13	cA	821	CLA	CHC-C1C-NC	2.36	127.86	124.31
13	cA	815	CLA	CBB-CAB-C3B	-2.36	115.74	127.53
13	cB	834	CLA	CHB-C4A-NA	2.36	127.81	124.40
13	aA	809	CLA	CMC-C2C-C1C	2.36	128.72	125.03
15	cA	848	BCR	C29-C30-C25	2.36	113.87	110.44
13	cA	815	CLA	C3B-C4B-NB	2.36	112.64	110.53
13	bB	807	CLA	CBC-CAC-C3C	-2.36	106.03	112.42
13	dA	834	CLA	CBC-CAC-C3C	-2.36	106.03	112.42
13	bA	834	CLA	CBC-CAC-C3C	-2.36	106.03	112.42
13	bB	802	CLA	C4B-C3B-C2B	-2.36	104.37	107.30
13	aB	834	CLA	CHB-C4A-NA	2.36	127.80	124.40
13	dA	808	CLA	C4-C3-C5	2.36	118.90	116.13
13	dA	805	CLA	CMB-C2B-C1B	2.36	129.01	125.42
13	bA	819	CLA	C4-C3-C5	2.36	119.32	115.23
15	bF	202	BCR	C33-C5-C6	-2.36	121.91	124.48
13	cB	826	CLA	O1D-CGD-CBD	-2.36	119.87	124.52
13	aA	821	CLA	CHC-C1C-NC	2.36	127.86	124.31
13	bA	808	CLA	C4-C3-C5	2.36	118.90	116.13
13	bB	809	CLA	C1-O2A-CGA	2.35	122.35	116.65
13	bB	809	CLA	CBA-CAA-C2A	2.35	120.80	113.79
13	dA	827	CLA	C4B-C3B-C2B	-2.35	104.38	107.30
13	dA	820	CLA	CHC-C1C-NC	2.35	127.86	124.31
13	cA	809	CLA	CMC-C2C-C1C	2.35	128.71	125.03
13	dB	831	CLA	CMD-C2D-C3D	-2.35	122.29	127.69
13	cB	812	CLA	CAA-CBA-CGA	2.35	119.89	113.21
13	cB	825	CLA	CHB-C4A-NA	2.35	127.80	124.40
13	dB	810	CLA	C7-C6-C5	-2.35	106.99	113.26
13	bA	824	CLA	CHA-C1A-NA	-2.35	121.06	126.39
13	cA	827	CLA	CMC-C2C-C1C	2.35	128.71	125.03
13	aB	818	CLA	C4-C3-C5	2.35	119.31	115.23
13	aB	812	CLA	CAA-CBA-CGA	2.35	119.89	113.21
13	aB	826	CLA	O1D-CGD-CBD	-2.35	119.88	124.52
13	bB	810	CLA	C7-C6-C5	-2.35	107.00	113.26
13	bB	828	CLA	CAA-C2A-C3A	-2.35	106.64	113.00
13	cB	833	CLA	CAC-C3C-C4C	2.35	127.85	124.79
13	dA	812	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
15	aA	845	BCR	C15-C14-C13	-2.35	123.98	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	810	CLA	O2D-CGD-O1D	-2.35	119.27	123.85
13	dB	807	CLA	CBC-CAC-C3C	-2.35	106.05	112.42
13	aA	829	CLA	CHA-C1A-NA	-2.35	121.07	126.39
13	cB	822	CLA	CAA-CBA-CGA	-2.35	106.53	113.21
13	dA	819	CLA	C4-C3-C5	2.35	119.31	115.23
13	dB	820	CLA	CMB-C2B-C1B	2.35	129.00	125.42
13	aA	802	CLA	CMC-C2C-C1C	2.35	128.71	125.03
13	dB	809	CLA	C1-O2A-CGA	2.35	122.34	116.65
13	aA	833	CLA	C4-C3-C5	2.35	119.31	115.23
13	aA	805	CLA	C3B-C4B-NB	2.35	112.63	110.53
13	aB	822	CLA	CAA-CBA-CGA	-2.35	106.54	113.21
13	cK	201	CLA	OBD-CAD-C3D	-2.35	124.78	128.60
13	bB	831	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
13	bB	820	CLA	CMB-C2B-C1B	2.35	129.00	125.42
13	aA	825	CLA	CAC-C3C-C4C	2.35	127.84	124.79
13	dB	828	CLA	CHD-C4C-NC	2.35	127.87	124.23
13	aA	805	CLA	CMC-C2C-C1C	2.35	128.70	125.03
13	cA	833	CLA	C4-C3-C5	2.35	119.30	115.23
13	cA	802	CLA	CMC-C2C-C1C	2.35	128.70	125.03
13	bA	803	CLA	C4B-C3B-C2B	-2.35	104.38	107.30
13	cA	815	CLA	CMB-C2B-C1B	2.35	128.99	125.42
13	aA	815	CLA	CMB-C2B-C1B	2.35	128.99	125.42
13	bA	805	CLA	CMB-C2B-C1B	2.35	128.99	125.42
13	dA	803	CLA	C4B-C3B-C2B	-2.35	104.39	107.30
13	bB	821	CLA	C1-C2-C3	-2.35	122.35	126.20
13	bA	812	CLA	CMD-C2D-C3D	-2.35	122.31	127.69
13	cA	802	CLA	O1D-CGD-CBD	-2.35	119.89	124.52
13	cB	821	CLA	CMB-C2B-C1B	2.35	128.99	125.42
13	dB	807	CLA	C6-C7-C8	-2.34	108.17	115.97
13	aB	821	CLA	CMB-C2B-C1B	2.34	128.99	125.42
13	cA	828	CLA	O1D-CGD-CBD	-2.34	119.89	124.52
13	bB	807	CLA	C6-C7-C8	-2.34	108.17	115.97
13	bA	827	CLA	C4B-C3B-C2B	-2.34	104.39	107.30
13	bJ	101	CLA	C4B-C3B-C2B	-2.34	104.39	107.30
13	cB	807	CLA	CHD-C4C-NC	2.34	127.87	124.23
13	aA	802	CLA	O1D-CGD-CBD	-2.34	119.89	124.52
13	aB	810	CLA	O1D-CGD-CBD	-2.34	119.90	124.52
13	dB	804	CLA	C4A-NA-C1A	-2.34	105.61	106.68
13	cA	805	CLA	CMC-C2C-C1C	2.34	128.69	125.03
13	cB	833	CLA	CHB-C1B-C2B	-2.34	120.63	127.43
13	aB	825	CLA	CHB-C4A-NA	2.34	127.78	124.40
13	dB	828	CLA	CAA-C2A-C3A	-2.34	106.67	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bL	202	CLA	O2A-CGA-CBA	2.34	118.97	111.83
13	dA	824	CLA	CHA-C1A-NA	-2.34	121.09	126.39
13	dB	819	CLA	O2A-CGA-CBA	2.34	120.98	112.14
13	aB	811	CLA	CHD-C4C-NC	2.34	127.86	124.23
13	dL	202	CLA	O2A-CGA-CBA	2.34	118.97	111.83
15	dA	846	BCR	C30-C25-C26	-2.34	119.44	122.64
13	cB	810	CLA	O1D-CGD-CBD	-2.34	119.90	124.52
13	bA	830	CLA	O2A-CGA-O1A	-2.34	117.78	123.63
13	aB	807	CLA	C4-C3-C5	2.34	119.29	115.23
15	dF	202	BCR	C33-C5-C6	-2.34	121.93	124.48
15	aK	205	BCR	C29-C30-C25	2.34	113.84	110.44
18	aB	839	LMG	C40-C39-C38	-2.34	102.55	114.37
13	aK	201	CLA	OBD-CAD-C3D	-2.34	124.80	128.60
13	cB	807	CLA	C4-C3-C5	2.34	119.29	115.23
18	cB	839	LMG	C40-C39-C38	-2.34	102.56	114.37
13	bA	822	CLA	CHB-C4A-NA	2.34	127.77	124.40
15	aB	837	BCR	C11-C10-C9	-2.34	124.00	127.28
13	cA	825	CLA	CAC-C3C-C4C	2.34	127.83	124.79
13	aB	806	CLA	C3B-C4B-NB	2.34	112.61	110.53
13	bB	823	CLA	CMD-C2D-C3D	-2.34	122.33	127.69
13	cA	805	CLA	C4B-C3B-C2B	-2.33	104.40	107.30
13	aB	804	CLA	CHD-C4C-NC	2.33	127.85	124.23
13	cK	204	CLA	CHB-C1B-C2B	-2.33	120.65	127.43
13	dB	823	CLA	CMD-C2D-C3D	-2.33	122.34	127.69
13	bB	820	CLA	CED-O2D-CGD	2.33	121.21	115.92
13	bB	819	CLA	O2A-CGA-CBA	2.33	120.95	112.14
13	dA	830	CLA	O2A-CGA-O1A	-2.33	117.79	123.63
13	bA	810	CLA	C4B-C3B-C2B	-2.33	104.40	107.30
13	bA	837	CLA	CMA-C3A-C4A	-2.33	105.50	111.77
13	aA	819	CLA	CMB-C2B-C1B	2.33	128.97	125.42
13	bA	810	CLA	CHB-C4A-NA	2.33	127.77	124.40
15	aA	847	BCR	C2-C1-C6	2.33	113.83	110.44
13	dB	810	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
13	aA	805	CLA	C4B-C3B-C2B	-2.33	104.40	107.30
13	dB	815	CLA	CHD-C4C-NC	2.33	127.85	124.23
13	aB	814	CLA	CHB-C4A-NA	2.33	127.76	124.40
15	dL	204	BCR	C29-C30-C25	2.33	113.83	110.44
13	aA	805	CLA	CHB-C1B-C2B	-2.33	120.66	127.43
13	bA	820	CLA	CHC-C1C-NC	2.33	127.82	124.31
13	cB	821	CLA	CHA-C1A-NA	-2.33	121.11	126.39
13	aB	833	CLA	CHB-C1B-C2B	-2.33	120.66	127.43
13	aK	204	CLA	CHB-C1B-C2B	-2.33	120.66	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	802	CLA	C4B-C3B-C2B	-2.33	104.41	107.30
13	dA	806	CLA	C7-C6-C5	-2.33	107.05	113.26
15	bJ	103	BCR	C30-C25-C26	-2.33	119.45	122.64
13	dA	841	CLA	C4B-C3B-C2B	-2.33	104.41	107.30
13	bA	819	CLA	CHA-C1A-NA	-2.33	121.12	126.39
13	cB	814	CLA	CHB-C4A-NA	2.33	127.76	124.40
13	cA	809	CLA	CBA-CAA-C2A	2.33	120.72	113.79
13	bA	806	CLA	C7-C6-C5	-2.33	107.06	113.26
13	bB	821	CLA	O2D-CGD-O1D	-2.33	119.32	123.85
13	cA	840	CLA	CHB-C4A-NA	2.33	127.76	124.40
13	aB	807	CLA	CHD-C4C-NC	2.33	127.84	124.23
13	dJ	101	CLA	C4B-C3B-C2B	-2.33	104.41	107.30
13	dB	825	CLA	O1D-CGD-CBD	-2.33	119.93	124.52
13	bB	832	CLA	C11-C10-C8	-2.33	108.23	115.97
13	aB	830	CLA	CHB-C4A-NA	2.33	127.76	124.40
13	dA	826	CLA	CAA-CBA-CGA	-2.33	106.60	113.21
13	cB	827	CLA	O2D-CGD-O1D	-2.33	119.32	123.85
13	cB	811	CLA	CHD-C4C-NC	2.33	127.84	124.23
18	bB	837	LMG	C42-C41-C40	-2.33	102.61	114.37
13	bB	822	CLA	CED-O2D-CGD	2.33	121.19	115.92
13	dB	821	CLA	O2D-CGD-O1D	-2.33	119.32	123.85
13	bB	828	CLA	CHD-C4C-NC	2.32	127.84	124.23
13	dA	837	CLA	CMA-C3A-C4A	-2.32	105.53	111.77
13	cB	804	CLA	C3B-C4B-NB	2.32	112.61	110.53
13	bA	835	CLA	C1-C2-C3	-2.32	122.39	126.20
13	dA	842	CLA	CMC-C2C-C1C	2.32	128.67	125.03
13	cA	805	CLA	CHB-C1B-C2B	-2.32	120.68	127.43
13	aA	819	CLA	C4-C3-C5	2.32	119.26	115.23
15	bA	850	BCR	C16-C17-C18	-2.32	124.02	127.28
13	dA	819	CLA	CHA-C1A-NA	-2.32	121.13	126.39
13	aB	804	CLA	C3B-C4B-NB	2.32	112.60	110.53
13	aA	811	CLA	CGD-CBD-CAD	-2.32	103.33	110.85
13	cA	811	CLA	CGD-CBD-CAD	-2.32	103.33	110.85
13	aB	832	CLA	CHB-C4A-NA	2.32	127.75	124.40
13	dA	835	CLA	O2A-CGA-O1A	-2.32	117.82	123.63
15	dJ	103	BCR	C30-C25-C26	-2.32	119.46	122.64
15	cJ	102	BCR	C15-C14-C13	-2.32	124.02	127.28
15	cL	206	BCR	C28-C27-C26	-2.32	109.92	114.06
13	dA	810	CLA	CHB-C4A-NA	2.32	127.75	124.40
13	bA	841	CLA	C4B-C3B-C2B	-2.32	104.42	107.30
13	cB	814	CLA	CHD-C4C-NC	2.32	127.83	124.23
18	dB	837	LMG	C42-C41-C40	-2.32	102.64	114.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dB	824	CLA	CAC-C3C-C4C	2.32	127.81	124.79
13	bF	201	CLA	CMB-C2B-C1B	2.32	128.95	125.42
13	aB	833	CLA	CBC-CAC-C3C	-2.32	106.13	112.42
13	aA	809	CLA	CBA-CAA-C2A	2.32	120.69	113.79
13	aA	836	CLA	O2D-CGD-O1D	-2.32	119.33	123.85
13	bB	807	CLA	C2A-C3A-C4A	-2.32	98.12	101.87
13	aB	817	CLA	CHB-C4A-NA	2.32	127.75	124.40
13	bB	802	CLA	CHB-C4A-NA	2.32	127.75	124.40
13	cA	829	CLA	CHA-C1A-NA	-2.32	121.14	126.39
13	dA	810	CLA	C4B-C3B-C2B	-2.32	104.42	107.30
13	aA	842	CLA	CAA-C2A-C3A	-2.32	106.73	113.00
13	bA	835	CLA	O2A-CGA-O1A	-2.32	117.83	123.63
13	bA	831	CLA	CMA-C3A-C4A	-2.32	105.54	111.77
13	aA	815	CLA	O1D-CGD-CBD	-2.32	119.94	124.52
13	dB	810	CLA	CMC-C2C-C1C	2.32	128.66	125.03
13	bB	815	CLA	CHD-C4C-NC	2.32	127.83	124.23
13	cA	827	CLA	CHB-C4A-NA	2.32	127.75	124.40
13	dB	812	CLA	CMA-C3A-C2A	-2.32	105.02	113.98
13	cB	818	CLA	C4-C3-C5	2.32	119.25	115.23
13	bA	826	CLA	CAA-CBA-CGA	-2.32	106.63	113.21
15	dL	201	BCR	C15-C16-C17	-2.32	118.78	123.52
13	aA	808	CLA	CMC-C2C-C1C	2.32	128.65	125.03
13	cB	833	CLA	CBC-CAC-C3C	-2.32	106.14	112.42
13	dB	832	CLA	C11-C10-C8	-2.32	108.27	115.97
13	bA	826	CLA	C1-C2-C3	-2.32	122.40	126.20
13	cB	808	CLA	C3B-C4B-NB	2.32	112.60	110.53
13	dB	821	CLA	C4-C3-C5	2.32	119.25	115.23
13	aB	833	CLA	CAC-C3C-C4C	2.32	127.80	124.79
13	bA	840	CLA	CBC-CAC-C3C	-2.32	106.14	112.42
15	dA	846	BCR	C33-C5-C6	-2.31	121.96	124.48
13	aB	827	CLA	O2D-CGD-O1D	-2.31	119.34	123.85
13	aJ	101	CLA	CMC-C2C-C1C	2.31	128.65	125.03
13	bB	810	CLA	CMC-C2C-C1C	2.31	128.65	125.03
13	dB	811	CLA	CHA-C1A-NA	-2.31	121.15	126.39
13	cA	836	CLA	O2D-CGD-O1D	-2.31	119.34	123.85
13	cL	202	CLA	CAA-C2A-C3A	-2.31	106.75	113.00
13	dB	822	CLA	CED-O2D-CGD	2.31	121.16	115.92
13	dB	821	CLA	C1-C2-C3	-2.31	122.41	126.20
13	cA	819	CLA	CMB-C2B-C1B	2.31	128.94	125.42
13	cB	806	CLA	C3B-C4B-NB	2.31	112.59	110.53
13	dA	814	CLA	CHA-C1A-NA	-2.31	121.16	126.39
13	aL	202	CLA	CAA-C2A-C3A	-2.31	106.75	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	814	CLA	CHA-C1A-NA	-2.31	121.16	126.39
13	aB	814	CLA	CHD-C4C-NC	2.31	127.81	124.23
13	aA	818	CLA	C1-O2A-CGA	2.31	122.25	116.65
13	cB	818	CLA	CHB-C4A-NA	2.31	127.73	124.40
13	cB	832	CLA	CHB-C4A-NA	2.31	127.73	124.40
13	dA	835	CLA	C1-C2-C3	-2.31	122.41	126.20
13	bA	821	CLA	C4C-C3C-C2C	-2.31	103.53	106.89
15	aL	206	BCR	C28-C27-C26	-2.31	109.94	114.06
13	bB	825	CLA	O1D-CGD-CBD	-2.31	119.96	124.52
13	bB	812	CLA	CMA-C3A-C2A	-2.31	105.05	113.98
13	cB	819	CLA	CMC-C2C-C1C	2.31	128.64	125.03
13	cA	809	CLA	CBC-CAC-C3C	-2.31	106.16	112.42
13	aB	821	CLA	CHA-C1A-NA	-2.31	121.16	126.39
13	bB	810	CLA	CAC-C3C-C4C	2.31	127.79	124.79
13	cA	831	CLA	CAA-C2A-C3A	-2.31	106.76	113.00
15	bI	101	BCR	C30-C25-C26	-2.31	119.48	122.64
13	aA	831	CLA	CAA-C2A-C3A	-2.31	106.76	113.00
13	cB	817	CLA	CHB-C4A-NA	2.31	127.73	124.40
13	bB	820	CLA	CHA-C1A-NA	-2.31	121.17	126.39
13	cA	819	CLA	C4-C3-C5	2.31	119.23	115.23
13	dA	808	CLA	O1D-CGD-CBD	-2.31	119.97	124.52
13	cA	827	CLA	CAA-C2A-C1A	-2.31	104.42	111.97
13	bB	817	CLA	CAC-C3C-C4C	2.31	127.79	124.79
13	aB	814	CLA	CMB-C2B-C1B	2.31	128.93	125.42
13	dF	201	CLA	CMB-C2B-C1B	2.31	128.93	125.42
13	cL	202	CLA	O2D-CGD-O1D	-2.31	119.36	123.85
13	dA	831	CLA	CMA-C3A-C4A	-2.31	105.58	111.77
13	aA	809	CLA	CBC-CAC-C3C	-2.30	106.17	112.42
13	dB	802	CLA	CHB-C4A-NA	2.30	127.73	124.40
13	dB	818	CLA	C2A-C3A-C4A	-2.30	98.15	101.87
13	aA	810	CLA	CHB-C1B-C2B	-2.30	120.74	127.43
13	cJ	101	CLA	CMC-C2C-C1C	2.30	128.63	125.03
13	bB	808	CLA	C4-C3-C5	2.30	119.23	115.23
13	bB	805	CLA	CMB-C2B-C1B	2.30	128.93	125.42
15	dA	850	BCR	C16-C17-C18	-2.30	124.05	127.28
15	bA	846	BCR	C33-C5-C6	-2.30	121.97	124.48
13	aB	807	CLA	C1-C2-C3	-2.30	122.42	126.20
13	aA	840	CLA	CHB-C4A-NA	2.30	127.72	124.40
13	dB	810	CLA	CAC-C3C-C4C	2.30	127.78	124.79
15	bA	846	BCR	C30-C25-C26	-2.30	119.49	122.64
13	cA	810	CLA	CHB-C1B-C2B	-2.30	120.74	127.43
13	bA	808	CLA	O1D-CGD-CBD	-2.30	119.98	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	842	CLA	CAA-C2A-C3A	-2.30	106.78	113.00
13	dA	820	CLA	C4-C3-C5	2.30	119.22	115.23
13	aA	839	CLA	CHB-C4A-NA	2.30	127.72	124.40
13	dA	835	CLA	CAA-CBA-CGA	-2.30	106.67	113.21
13	cA	808	CLA	CMC-C2C-C1C	2.30	128.63	125.03
13	cB	822	CLA	CMC-C2C-C1C	2.30	128.63	125.03
13	bA	838	CLA	CGD-CBD-CAD	-2.30	103.40	110.85
13	cB	819	CLA	CHB-C4A-NA	2.30	127.72	124.40
15	dA	848	BCR	C38-C26-C27	-2.30	108.69	113.60
13	cL	202	CLA	CBC-CAC-C3C	-2.30	106.18	112.42
14	aA	844	PQN	C11-C3-C2	-2.30	120.95	124.89
13	bB	829	CLA	O2D-CGD-O1D	-2.30	119.37	123.85
13	bB	811	CLA	CHA-C1A-NA	-2.30	121.18	126.39
13	dB	829	CLA	O1D-CGD-CBD	-2.30	119.98	124.52
13	dA	838	CLA	CGD-CBD-CAD	-2.30	103.40	110.85
15	bL	201	BCR	C15-C16-C17	-2.30	118.81	123.52
13	bL	202	CLA	C4A-NA-C1A	-2.30	105.63	106.68
13	aB	819	CLA	CHB-C4A-NA	2.30	127.72	124.40
13	bA	812	CLA	C11-C12-C13	-2.30	108.32	115.97
13	dB	828	CLA	CHA-C1A-NA	-2.30	121.19	126.39
13	aB	818	CLA	CHB-C4A-NA	2.30	127.72	124.40
13	cB	804	CLA	CBB-CAB-C3B	-2.30	116.04	127.53
13	bB	824	CLA	CAC-C3C-C4C	2.30	127.78	124.79
13	bA	842	CLA	CMC-C2C-C1C	2.30	128.62	125.03
13	cA	815	CLA	O1D-CGD-CBD	-2.30	119.99	124.52
13	dB	819	CLA	O2D-CGD-O1D	-2.30	119.38	123.85
12	aA	801	CL0	CMA-C3A-C2A	-2.30	105.26	114.13
13	bA	827	CLA	CMC-C2C-C1C	2.30	128.62	125.03
13	aB	804	CLA	CBB-CAB-C3B	-2.30	116.05	127.53
13	cB	830	CLA	O2D-CGD-O1D	-2.30	119.38	123.85
13	bA	813	CLA	CHB-C4A-NA	2.30	127.71	124.40
13	dA	812	CLA	C11-C12-C13	-2.30	108.33	115.97
13	dA	840	CLA	CBC-CAC-C3C	-2.30	106.20	112.42
13	dB	820	CLA	CHA-C1A-NA	-2.30	121.19	126.39
13	dA	815	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
12	cA	801	CL0	CMA-C3A-C2A	-2.30	105.27	114.13
13	bA	828	CLA	CHB-C4A-NA	2.30	127.71	124.40
13	dA	821	CLA	C4C-C3C-C2C	-2.29	103.55	106.89
13	bA	815	CLA	CMD-C2D-C3D	-2.29	122.43	127.69
13	aA	830	CLA	O2A-CGA-O1A	-2.29	117.89	123.63
13	aA	827	CLA	CAA-C2A-C1A	-2.29	104.46	111.97
13	aL	202	CLA	CBC-CAC-C3C	-2.29	106.20	112.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aL	202	CLA	O2D-CGD-O1D	-2.29	119.38	123.85
15	cA	849	BCR	C40-C30-C25	2.29	113.84	110.24
13	aA	841	CLA	CMC-C2C-C1C	2.29	128.62	125.03
13	dB	807	CLA	C2A-C3A-C4A	-2.29	98.16	101.87
13	bB	824	CLA	CHA-C1A-NA	-2.29	121.20	126.39
13	bB	828	CLA	CHA-C1A-NA	-2.29	121.20	126.39
13	dA	828	CLA	CHB-C4A-NA	2.29	127.71	124.40
13	bA	813	CLA	CAA-C2A-C3A	-2.29	106.80	113.00
15	bA	848	BCR	C38-C26-C27	-2.29	108.71	113.60
13	dA	813	CLA	CAA-C2A-C3A	-2.29	106.80	113.00
13	aA	827	CLA	CHB-C4A-NA	2.29	127.71	124.40
15	cA	849	BCR	C28-C27-C26	-2.29	109.97	114.06
13	bB	808	CLA	CBC-CAC-C3C	-2.29	106.21	112.42
15	bA	846	BCR	C39-C30-C25	2.29	113.84	110.24
13	aA	819	CLA	CHB-C1B-C2B	-2.29	120.77	127.43
13	bB	818	CLA	C2A-C3A-C4A	-2.29	98.17	101.87
13	aB	830	CLA	O2D-CGD-O1D	-2.29	119.39	123.85
13	dA	806	CLA	CHC-C1C-NC	2.29	127.76	124.31
15	dB	835	BCR	C3-C4-C5	-2.29	109.97	114.06
13	dB	805	CLA	CMB-C2B-C1B	2.29	128.91	125.42
13	cB	807	CLA	CHA-C1A-NA	-2.29	121.20	126.39
13	bB	821	CLA	C4-C3-C5	2.29	119.20	115.23
13	cA	818	CLA	C1-O2A-CGA	2.29	122.19	116.65
13	aA	831	CLA	CBC-CAC-C3C	-2.29	106.21	112.42
13	bB	819	CLA	O2D-CGD-O1D	-2.29	119.39	123.85
13	bB	828	CLA	CHB-C4A-NA	2.29	127.70	124.40
13	cA	808	CLA	CBC-CAC-C3C	-2.29	106.21	112.42
14	bA	845	PQN	C11-C3-C2	-2.29	120.97	124.89
13	aB	819	CLA	CMC-C2C-C1C	2.29	128.61	125.03
15	bJ	102	BCR	C40-C30-C25	2.29	113.83	110.24
13	cA	819	CLA	O2D-CGD-O1D	-2.29	119.39	123.85
13	dB	808	CLA	CBC-CAC-C3C	-2.29	106.22	112.42
13	aA	841	CLA	C4-C3-C5	2.29	119.20	115.23
13	cA	824	CLA	CHB-C4A-NA	2.29	127.70	124.40
13	dB	824	CLA	CHA-C1A-NA	-2.29	121.21	126.39
15	bB	836	BCR	C21-C20-C19	-2.29	116.57	123.20
13	dB	808	CLA	C4-C3-C5	2.29	119.20	115.23
13	dB	822	CLA	CMB-C2B-C1B	2.29	128.90	125.42
13	cA	841	CLA	CMC-C2C-C1C	2.29	128.61	125.03
13	dF	201	CLA	CMC-C2C-C1C	2.29	128.61	125.03
13	dA	826	CLA	C1-C2-C3	-2.29	122.45	126.20
13	aL	202	CLA	CMB-C2B-C1B	2.29	128.90	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	aA	849	BCR	C40-C30-C25	2.29	113.83	110.24
13	bA	835	CLA	CAA-CBA-CGA	-2.29	106.72	113.21
13	aA	808	CLA	CBC-CAC-C3C	-2.29	106.22	112.42
13	cA	830	CLA	O2A-CGA-O1A	-2.29	117.91	123.63
13	aA	824	CLA	CHB-C4A-NA	2.29	127.70	124.40
13	cA	839	CLA	CHB-C4A-NA	2.29	127.70	124.40
13	dB	813	CLA	C1-C2-C3	-2.29	122.45	126.20
13	bA	817	CLA	O2D-CGD-O1D	-2.29	119.40	123.85
13	aB	821	CLA	CAC-C3C-C2C	2.29	131.76	127.56
13	cB	821	CLA	CAC-C3C-C2C	2.29	131.76	127.56
13	bB	822	CLA	CMB-C2B-C1B	2.28	128.90	125.42
14	cA	844	PQN	C11-C3-C2	-2.28	120.97	124.89
13	dA	817	CLA	CHB-C1B-C2B	-2.28	120.80	127.43
13	cB	820	CLA	O2A-CGA-CBA	2.28	120.77	112.14
15	dA	847	BCR	C7-C8-C9	-2.28	122.86	126.23
15	dB	836	BCR	C21-C20-C19	-2.28	116.58	123.20
13	cB	814	CLA	CMB-C2B-C1B	2.28	128.90	125.42
15	aA	849	BCR	C28-C27-C26	-2.28	109.98	114.06
15	bB	835	BCR	C3-C4-C5	-2.28	109.98	114.06
13	aA	843	CLA	CMC-C2C-C3C	2.28	132.32	126.15
13	dB	829	CLA	O2D-CGD-O1D	-2.28	119.40	123.85
15	dJ	102	BCR	C40-C30-C25	2.28	113.82	110.24
13	aB	820	CLA	O2A-CGA-CBA	2.28	120.76	112.14
13	aB	807	CLA	CHA-C1A-NA	-2.28	121.22	126.39
18	aB	839	LMG	C38-C37-C36	-2.28	102.83	114.37
13	cB	812	CLA	CAA-C2A-C3A	-2.28	106.83	113.00
13	cA	843	CLA	CHB-C4A-NA	2.28	127.69	124.40
16	cA	850	LHG	C20-C19-C18	-2.28	102.84	114.37
15	aJ	102	BCR	C15-C14-C13	-2.28	124.08	127.28
13	bA	817	CLA	CHB-C1B-C2B	-2.28	120.81	127.43
13	aB	812	CLA	CAA-C2A-C3A	-2.28	106.84	113.00
13	cB	807	CLA	C1-C2-C3	-2.28	122.46	126.20
13	cA	841	CLA	C4-C3-C5	2.28	119.19	115.23
13	aA	843	CLA	CHB-C4A-NA	2.28	127.69	124.40
13	bA	823	CLA	CBC-CAC-C3C	-2.28	106.24	112.42
13	cA	813	CLA	CBC-CAC-C3C	-2.28	106.24	112.42
13	dB	828	CLA	CHB-C4A-NA	2.28	127.69	124.40
16	aA	850	LHG	C20-C19-C18	-2.28	102.85	114.37
13	cA	821	CLA	CAA-C2A-C3A	-2.28	106.84	113.00
13	aB	822	CLA	CMC-C2C-C1C	2.28	128.59	125.03
13	aA	813	CLA	CBC-CAC-C3C	-2.28	106.24	112.42
15	dI	101	BCR	C30-C25-C26	-2.28	119.52	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	821	CLA	CAA-C2A-C3A	-2.28	106.84	113.00
13	bA	814	CLA	C4B-C3B-C2B	-2.28	104.47	107.30
13	cB	819	CLA	CHA-C1A-NA	-2.28	121.23	126.39
15	cJ	103	BCR	C29-C30-C25	2.28	113.75	110.44
15	bA	847	BCR	C7-C8-C9	-2.28	122.86	126.23
13	aA	838	CLA	CMB-C2B-C3B	2.28	131.91	126.55
13	dA	817	CLA	O2D-CGD-O1D	-2.28	119.41	123.85
13	bA	832	CLA	C5-C3-C4	2.28	119.83	114.59
13	cA	831	CLA	CBC-CAC-C3C	-2.28	106.25	112.42
13	bB	826	CLA	C1-C2-C3	-2.28	122.47	126.20
15	dA	846	BCR	C39-C30-C25	2.28	113.81	110.24
13	bB	829	CLA	O1D-CGD-CBD	-2.28	120.03	124.52
13	aA	819	CLA	O2D-CGD-O1D	-2.28	119.42	123.85
13	dB	817	CLA	CAC-C3C-C4C	2.28	127.75	124.79
13	dL	202	CLA	C4B-C3B-C2B	-2.28	104.47	107.30
18	cB	839	LMG	C38-C37-C36	-2.28	102.86	114.37
18	aB	839	LMG	C42-C41-C40	-2.28	102.86	114.37
13	cA	843	CLA	CMC-C2C-C3C	2.28	132.30	126.15
13	bB	820	CLA	CHB-C4A-NA	2.28	127.68	124.40
13	aB	806	CLA	CHA-C1A-NA	-2.28	121.24	126.39
13	dA	826	CLA	CHA-C1A-NA	-2.27	121.24	126.39
13	dA	832	CLA	C5-C3-C4	2.27	119.82	114.59
13	aA	821	CLA	O1D-CGD-CBD	-2.27	120.03	124.52
13	bA	820	CLA	C4-C3-C5	2.27	119.17	115.23
13	aA	807	CLA	C4C-C3C-C2C	-2.27	103.58	106.89
13	cA	807	CLA	C4C-C3C-C2C	-2.27	103.58	106.89
13	aA	827	CLA	CAC-C3C-C4C	2.27	127.75	124.79
13	dL	202	CLA	C4A-NA-C1A	-2.27	105.64	106.68
14	dA	845	PQN	C11-C3-C2	-2.27	120.99	124.89
13	dB	825	CLA	CHC-C4B-NB	-2.27	120.64	124.05
13	dA	805	CLA	O2A-CGA-CBA	2.27	121.18	114.00
13	dA	827	CLA	CMC-C2C-C1C	2.27	128.58	125.03
13	bB	831	CLA	C4-C3-C5	2.27	119.17	115.23
18	cB	839	LMG	C42-C41-C40	-2.27	102.89	114.37
13	dA	820	CLA	CHA-C1A-NA	-2.27	121.25	126.39
13	bF	201	CLA	CMC-C2C-C1C	2.27	128.58	125.03
13	cA	833	CLA	CMB-C2B-C1B	2.27	128.88	125.42
13	dB	831	CLA	C4-C3-C5	2.27	119.17	115.23
13	dA	814	CLA	C4B-C3B-C2B	-2.27	104.48	107.30
13	cB	808	CLA	C6-C7-C8	-2.27	108.42	115.97
13	cB	818	CLA	CMB-C2B-C1B	2.27	128.88	125.42
13	dL	203	CLA	C2A-C3A-C4A	-2.27	98.20	101.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	833	CLA	CMB-C2B-C1B	2.27	128.88	125.42
15	cA	845	BCR	C33-C5-C6	-2.27	122.01	124.48
13	bB	819	CLA	CAA-CBA-CGA	-2.27	106.77	113.21
15	bJ	103	BCR	C28-C27-C26	-2.27	110.01	114.06
13	cA	828	CLA	C3B-C4B-NB	2.27	112.56	110.53
13	dA	828	CLA	O1D-CGD-CBD	-2.27	120.04	124.52
13	aB	821	CLA	OBD-CAD-C3D	-2.27	123.11	128.42
13	bA	824	CLA	CMC-C2C-C1C	2.27	128.58	125.03
13	cA	819	CLA	CHB-C1B-C2B	-2.27	120.84	127.43
13	cB	806	CLA	CHA-C1A-NA	-2.27	121.26	126.39
13	bL	203	CLA	CHC-C1C-NC	2.27	127.72	124.31
13	dA	823	CLA	CBC-CAC-C3C	-2.27	106.28	112.42
13	dB	808	CLA	CBA-CAA-C2A	2.27	120.54	113.79
13	dA	813	CLA	CHB-C4A-NA	2.27	127.67	124.40
13	dA	809	CLA	CHA-C1A-NA	-2.27	121.26	126.39
13	dB	819	CLA	CAA-CBA-CGA	-2.27	106.78	113.21
13	dB	812	CLA	CAC-C3C-C4C	2.27	127.74	124.79
13	cA	807	CLA	O2A-CGA-O1A	-2.26	117.96	123.63
13	cA	803	CLA	CBC-CAC-C3C	-2.26	106.28	112.42
13	bA	831	CLA	CHD-C4C-NC	2.26	127.74	124.23
13	dA	813	CLA	CMC-C2C-C1C	2.26	128.57	125.03
13	cB	821	CLA	CHB-C1B-C2B	-2.26	120.86	127.43
13	cB	826	CLA	CHB-C1B-C2B	-2.26	120.86	127.43
13	cB	801	CLA	CMA-C3A-C2A	-2.26	105.23	113.98
13	cA	827	CLA	CAC-C3C-C4C	2.26	127.73	124.79
13	bA	806	CLA	CHC-C1C-NC	2.26	127.72	124.31
13	cA	816	CLA	O2D-CGD-O1D	-2.26	119.44	123.85
13	dB	826	CLA	C1-C2-C3	-2.26	122.49	126.20
13	dB	806	CLA	O2A-CGA-O1A	-2.26	117.97	123.63
15	aA	845	BCR	C33-C5-C6	-2.26	122.02	124.48
13	dB	824	CLA	C4B-C3B-C2B	-2.26	104.49	107.30
13	bB	813	CLA	C1-C2-C3	-2.26	122.49	126.20
14	dB	833	PQN	C21-C22-C23	-2.26	108.45	115.97
13	bB	812	CLA	CAC-C3C-C4C	2.26	127.73	124.79
15	dJ	103	BCR	C28-C27-C26	-2.26	110.03	114.06
13	cB	824	CLA	CHD-C4C-NC	2.26	127.74	124.23
13	cB	821	CLA	OBD-CAD-C3D	-2.26	123.13	128.42
13	aA	803	CLA	CBC-CAC-C3C	-2.26	106.29	112.42
13	aB	820	CLA	CMB-C2B-C1B	2.26	128.86	125.42
13	aA	816	CLA	O2D-CGD-O1D	-2.26	119.45	123.85
15	aK	202	BCR	C16-C15-C14	-2.26	118.90	123.52
13	aB	819	CLA	CHA-C1A-NA	-2.26	121.28	126.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	803	CLA	CHB-C1B-C2B	-2.26	120.87	127.43
13	bA	826	CLA	CHA-C1A-NA	-2.26	121.28	126.39
13	cA	816	CLA	CHB-C1B-C2B	-2.26	120.87	127.43
13	bA	805	CLA	O2A-CGA-CBA	2.26	121.13	114.00
15	cF	203	BCR	C24-C23-C22	-2.26	122.89	126.23
13	bA	823	CLA	CMC-C2C-C1C	2.26	128.56	125.03
13	aB	808	CLA	C6-C7-C8	-2.26	108.46	115.97
13	bB	820	CLA	C7-C6-C5	-2.26	107.25	113.26
13	bA	828	CLA	O1D-CGD-CBD	-2.26	120.07	124.52
13	dA	844	CLA	C1-C2-C3	-2.26	122.50	126.20
14	bB	833	PQN	C21-C22-C23	-2.26	108.46	115.97
13	aB	801	CLA	CMA-C3A-C2A	-2.26	105.26	113.98
13	bB	808	CLA	CBA-CAA-C2A	2.26	120.51	113.79
13	dB	827	CLA	CBC-CAC-C3C	-2.26	106.30	112.42
13	cB	811	CLA	CHB-C4A-NA	2.26	127.66	124.40
13	bB	806	CLA	O2A-CGA-O1A	-2.26	117.98	123.63
13	dB	803	CLA	CHB-C1B-C2B	-2.26	120.88	127.43
13	dB	815	CLA	CMC-C2C-C1C	2.26	128.56	125.03
13	bB	818	CLA	CBC-CAC-C3C	-2.26	106.31	112.42
13	aB	821	CLA	CHB-C1B-C2B	-2.26	120.88	127.43
15	aJ	103	BCR	C29-C30-C25	2.26	113.72	110.44
13	dB	825	CLA	CMB-C2B-C1B	2.26	128.85	125.42
13	bB	824	CLA	C4B-C3B-C2B	-2.25	104.50	107.30
13	bB	814	CLA	CAC-C3C-C4C	2.25	127.72	124.79
13	cB	819	CLA	CED-O2D-CGD	2.25	121.03	115.92
13	bB	818	CLA	C4-C3-C5	2.25	119.14	115.23
13	aB	829	CLA	CHB-C4A-NA	2.25	127.65	124.40
13	dB	811	CLA	CBC-CAC-C3C	-2.25	106.31	112.42
13	cB	818	CLA	CMC-C2C-C1C	2.25	128.56	125.03
13	aB	824	CLA	CHD-C4C-NC	2.25	127.73	124.23
15	aF	203	BCR	C15-C14-C13	-2.25	124.12	127.28
15	cF	203	BCR	C15-C14-C13	-2.25	124.12	127.28
15	cK	202	BCR	C16-C15-C14	-2.25	118.91	123.52
13	cA	838	CLA	CMB-C2B-C3B	2.25	131.85	126.55
13	aA	818	CLA	CBC-CAC-C3C	-2.25	106.31	112.42
15	dA	851	BCR	C32-C1-C6	2.25	113.78	110.24
13	aA	819	CLA	CHA-C1A-NA	-2.25	121.29	126.39
13	cB	818	CLA	CAC-C3C-C4C	2.25	127.72	124.79
13	aA	812	CLA	CHB-C4A-NA	2.25	127.65	124.40
13	dA	835	CLA	CHB-C4A-NA	2.25	127.65	124.40
13	dL	203	CLA	CHC-C1C-NC	2.25	127.70	124.31
13	bA	813	CLA	CMC-C2C-C1C	2.25	128.55	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	819	CLA	CHA-C1A-NA	-2.25	121.29	126.39
13	dB	818	CLA	CBC-CAC-C3C	-2.25	106.32	112.42
13	dA	819	CLA	C3B-C4B-NB	2.25	112.54	110.53
13	aA	807	CLA	O2A-CGA-O1A	-2.25	118.00	123.63
13	aA	816	CLA	CHB-C1B-C2B	-2.25	120.89	127.43
13	aB	818	CLA	CMB-C2B-C1B	2.25	128.85	125.42
13	cA	834	CLA	CHA-C1A-NA	-2.25	121.29	126.39
13	dA	831	CLA	CHD-C4C-NC	2.25	127.72	124.23
13	dA	833	CLA	C2A-C3A-C4A	-2.25	98.23	101.87
15	cA	849	BCR	C20-C21-C22	-2.25	124.12	127.28
15	aL	205	BCR	C7-C8-C9	-2.25	122.91	126.23
13	dB	820	CLA	CHB-C4A-NA	2.25	127.65	124.40
13	bL	203	CLA	C2A-C3A-C4A	-2.25	98.23	101.87
13	cB	820	CLA	CMB-C2B-C1B	2.25	128.85	125.42
13	bA	844	CLA	C1-C2-C3	-2.25	122.51	126.20
13	bB	811	CLA	CBC-CAC-C3C	-2.25	106.32	112.42
13	aA	806	CLA	CHA-C1A-NA	-2.25	121.30	126.39
15	aK	202	BCR	C38-C26-C27	-2.25	108.80	113.60
13	cA	818	CLA	CBC-CAC-C3C	-2.25	106.32	112.42
15	dJ	103	BCR	C15-C16-C17	-2.25	118.92	123.52
14	dA	845	PQN	C2M-C2-C3	-2.25	120.75	124.45
13	cL	202	CLA	CMB-C2B-C1B	2.25	128.84	125.42
13	cB	829	CLA	CHB-C4A-NA	2.25	127.64	124.40
15	cA	845	BCR	C30-C25-C26	-2.25	119.56	122.64
13	aA	826	CLA	CHA-C1A-NA	-2.25	121.30	126.39
15	bJ	103	BCR	C15-C16-C17	-2.25	118.92	123.52
13	dB	811	CLA	CAC-C3C-C4C	2.25	127.71	124.79
13	dB	815	CLA	CBB-CAB-C3B	-2.25	116.30	127.53
15	bI	102	BCR	C33-C5-C6	-2.25	122.03	124.48
13	dB	804	CLA	O2D-CGD-O1D	-2.25	119.47	123.85
13	bA	809	CLA	CHA-C1A-NA	-2.25	121.30	126.39
13	bB	825	CLA	CMB-C2B-C1B	2.25	128.84	125.42
15	bA	851	BCR	C32-C1-C6	2.25	113.77	110.24
13	cB	819	CLA	C2A-C3A-C4A	-2.25	98.24	101.87
13	bB	809	CLA	CMC-C2C-C1C	2.25	128.54	125.03
15	bA	846	BCR	C38-C26-C27	-2.25	108.81	113.60
13	cA	821	CLA	O1D-CGD-CBD	-2.25	120.09	124.52
13	aB	818	CLA	CMC-C2C-C1C	2.25	128.54	125.03
13	dL	203	CLA	CMB-C2B-C1B	2.25	128.84	125.42
13	bB	827	CLA	CBC-CAC-C3C	-2.25	106.33	112.42
13	cL	203	CLA	O2D-CGD-O1D	-2.25	119.48	123.85
13	bA	833	CLA	C2A-C3A-C4A	-2.24	98.24	101.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	bM	101	BCR	C11-C10-C9	-2.24	124.13	127.28
13	bA	835	CLA	CHB-C4A-NA	2.24	127.64	124.40
13	cA	811	CLA	CHB-C4A-NA	2.24	127.64	124.40
13	bL	202	CLA	C4B-C3B-C2B	-2.24	104.51	107.30
15	dF	203	BCR	C35-C13-C14	-2.24	119.18	122.82
16	cA	850	LHG	C27-C26-C25	-2.24	103.02	114.37
15	aF	203	BCR	C24-C23-C22	-2.24	122.92	126.23
13	dB	820	CLA	C7-C6-C5	-2.24	107.28	113.26
13	bA	820	CLA	CHA-C1A-NA	-2.24	121.31	126.39
13	bB	815	CLA	CMC-C2C-C1C	2.24	128.54	125.03
15	cA	845	BCR	C40-C30-C25	2.24	113.76	110.24
13	aB	829	CLA	O2D-CGD-O1D	-2.24	119.48	123.85
13	bB	809	CLA	CED-O2D-CGD	2.24	121.00	115.92
13	bB	815	CLA	CBB-CAB-C3B	-2.24	116.32	127.53
13	aA	827	CLA	C4-C3-C5	2.24	119.12	115.23
13	cB	829	CLA	O2D-CGD-O1D	-2.24	119.48	123.85
13	dB	809	CLA	CED-O2D-CGD	2.24	121.00	115.92
13	cA	827	CLA	C4-C3-C5	2.24	119.12	115.23
13	dB	818	CLA	C4-C3-C5	2.24	119.12	115.23
13	aB	818	CLA	CAC-C3C-C4C	2.24	127.71	124.79
15	aB	837	BCR	C7-C8-C9	-2.24	122.92	126.23
15	dM	101	BCR	C11-C10-C9	-2.24	124.13	127.28
16	aA	850	LHG	C27-C26-C25	-2.24	103.04	114.37
15	cB	837	BCR	C7-C8-C9	-2.24	122.92	126.23
15	aA	845	BCR	C40-C30-C25	2.24	113.76	110.24
13	aA	834	CLA	CHA-C1A-NA	-2.24	121.32	126.39
13	bA	832	CLA	CHA-C1A-NA	-2.24	121.32	126.39
13	aB	826	CLA	CHB-C1B-C2B	-2.24	120.92	127.43
13	dA	805	CLA	CHB-C1B-C2B	-2.24	120.92	127.43
13	bB	825	CLA	CHC-C4B-NB	-2.24	120.69	124.05
13	cB	806	CLA	CMD-C2D-C3D	-2.24	122.55	127.69
13	bA	826	CLA	CHD-C4C-NC	2.24	127.70	124.23
13	dA	825	CLA	O1D-CGD-CBD	-2.24	120.10	124.52
13	aA	832	CLA	C4B-C3B-C2B	-2.24	104.52	107.30
13	dA	841	CLA	CBC-CAC-C3C	-2.24	106.35	112.42
13	bA	827	CLA	CAA-C2A-C1A	-2.24	104.64	111.97
14	bA	845	PQN	C2M-C2-C3	-2.24	120.77	124.45
13	dA	824	CLA	CMC-C2C-C1C	2.24	128.53	125.03
13	cL	203	CLA	O2A-CGA-CBA	2.24	118.66	111.83
13	aJ	101	CLA	O2D-CGD-O1D	-2.24	119.49	123.85
13	bA	812	CLA	CHD-C4C-NC	2.24	127.70	124.23
13	aB	806	CLA	CAA-CBA-CGA	-2.24	106.85	113.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	bF	203	BCR	C35-C13-C14	-2.24	119.19	122.82
13	aL	203	CLA	O2A-CGA-CBA	2.24	118.66	111.83
13	dA	832	CLA	CHA-C1A-NA	-2.24	121.32	126.39
13	dA	823	CLA	O2A-CGA-CBA	2.24	120.59	112.14
13	aB	806	CLA	CMD-C2D-C3D	-2.24	122.56	127.69
15	cL	205	BCR	C7-C8-C9	-2.24	122.92	126.23
13	dB	808	CLA	C7-C6-C5	-2.24	107.30	113.26
13	dA	810	CLA	O2A-CGA-CBA	2.24	121.07	114.00
13	bA	819	CLA	C3B-C4B-NB	2.24	112.53	110.53
13	bB	804	CLA	O2D-CGD-O1D	-2.24	119.49	123.85
13	dB	814	CLA	CAC-C3C-C4C	2.24	127.70	124.79
13	dA	827	CLA	CAA-C2A-C1A	-2.24	104.64	111.97
13	cB	806	CLA	CHB-C1B-C2B	-2.24	120.94	127.43
15	cB	836	BCR	C15-C16-C17	-2.24	118.94	123.52
13	aB	819	CLA	CED-O2D-CGD	2.24	120.99	115.92
13	aA	811	CLA	CHB-C4A-NA	2.23	127.62	124.40
13	bA	810	CLA	O2A-CGA-CBA	2.23	121.06	114.00
13	cB	828	CLA	CHB-C4A-NA	2.23	127.62	124.40
13	cJ	101	CLA	O2D-CGD-O1D	-2.23	119.50	123.85
13	bA	807	CLA	C4-C3-C5	2.23	119.11	115.23
13	bA	805	CLA	CHB-C1B-C2B	-2.23	120.94	127.43
13	bA	827	CLA	CHB-C1B-C2B	-2.23	120.94	127.43
15	dI	102	BCR	C33-C5-C6	-2.23	122.05	124.48
15	aA	849	BCR	C20-C21-C22	-2.23	124.15	127.28
15	dA	846	BCR	C38-C26-C27	-2.23	108.83	113.60
13	dA	827	CLA	CHB-C1B-C2B	-2.23	120.94	127.43
13	bA	823	CLA	O2A-CGA-CBA	2.23	120.57	112.14
13	aA	837	CLA	CAA-C2A-C3A	-2.23	106.97	113.00
13	dA	834	CLA	CHA-C1A-NA	-2.23	121.34	126.39
13	bA	821	CLA	CMB-C2B-C1B	2.23	128.82	125.42
13	bL	203	CLA	CMB-C2B-C1B	2.23	128.82	125.42
15	cK	202	BCR	C38-C26-C27	-2.23	108.84	113.60
13	aA	833	CLA	CHB-C4A-NA	2.23	127.62	124.40
13	bA	809	CLA	CHB-C4A-NA	2.23	127.62	124.40
13	cA	812	CLA	CHB-C4A-NA	2.23	127.62	124.40
16	dA	853	LHG	O8-C23-O10	-2.23	118.05	123.63
13	cA	806	CLA	CHA-C1A-NA	-2.23	121.34	126.39
13	cA	837	CLA	CAA-C2A-C3A	-2.23	106.97	113.00
13	aL	203	CLA	O2D-CGD-O1D	-2.23	119.50	123.85
13	cB	806	CLA	CAA-CBA-CGA	-2.23	106.87	113.21
13	aB	806	CLA	CHB-C1B-C2B	-2.23	120.95	127.43
13	cL	204	CLA	CHB-C4A-NA	2.23	127.62	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	808	CLA	C7-C6-C5	-2.23	107.32	113.26
13	aB	832	CLA	CHB-C1B-C2B	-2.23	120.95	127.43
13	dA	823	CLA	CMC-C2C-C1C	2.23	128.52	125.03
13	aA	828	CLA	C3B-C4B-NB	2.23	112.52	110.53
13	cA	826	CLA	CHA-C1A-NA	-2.23	121.34	126.39
13	cA	808	CLA	CMD-C2D-C3D	-2.23	122.58	127.69
13	cA	833	CLA	CHB-C4A-NA	2.23	127.62	124.40
13	bA	825	CLA	O1D-CGD-CBD	-2.23	120.12	124.52
13	cA	832	CLA	C4B-C3B-C2B	-2.23	104.53	107.30
13	dB	831	CLA	CGD-CBD-CAD	-2.23	103.64	110.85
15	cJ	102	BCR	C24-C23-C22	-2.23	122.94	126.23
13	dA	807	CLA	C4-C3-C5	2.23	119.09	115.23
13	aA	808	CLA	CMD-C2D-C3D	-2.23	122.58	127.69
13	aB	820	CLA	CMD-C2D-C3D	-2.23	122.58	127.69
13	bA	844	CLA	CHC-C1C-NC	2.23	127.66	124.31
13	cA	837	CLA	CHA-C1A-NA	-2.23	121.35	126.39
13	aB	819	CLA	C2A-C3A-C4A	-2.22	98.28	101.87
13	dA	812	CLA	CHD-C4C-NC	2.22	127.68	124.23
18	bB	837	LMG	O3-C3-C2	-2.22	105.13	110.38
13	cA	843	CLA	CMB-C2B-C1B	2.22	128.81	125.42
13	bB	819	CLA	CMB-C2B-C3B	2.22	131.78	126.55
13	aL	202	CLA	CMC-C2C-C1C	2.22	128.51	125.03
13	bL	203	CLA	CHB-C4A-NA	2.22	127.61	124.40
13	cA	814	CLA	CHA-C1A-NA	-2.22	121.36	126.39
13	cB	820	CLA	CMD-C2D-C3D	-2.22	122.59	127.69
13	aA	814	CLA	CMC-C2C-C1C	2.22	128.51	125.03
13	dB	802	CLA	CMC-C2C-C1C	2.22	128.51	125.03
13	aL	204	CLA	CHB-C4A-NA	2.22	127.61	124.40
13	bB	819	CLA	CMD-C2D-C3D	-2.22	122.59	127.69
13	bA	841	CLA	CBC-CAC-C3C	-2.22	106.39	112.42
16	bA	853	LHG	O8-C23-O10	-2.22	118.07	123.63
15	cB	838	BCR	C15-C16-C17	-2.22	118.97	123.52
13	aA	814	CLA	CHA-C1A-NA	-2.22	121.36	126.39
13	bB	832	CLA	CHA-C1A-NA	-2.22	121.36	126.39
13	aB	805	CLA	C4A-NA-C1A	-2.22	105.67	106.68
13	dB	809	CLA	CMC-C2C-C1C	2.22	128.51	125.03
13	aA	837	CLA	CHA-C1A-NA	-2.22	121.36	126.39
13	bA	837	CLA	CHA-C1A-NA	-2.22	121.36	126.39
13	bA	835	CLA	C4B-C3B-C2B	-2.22	104.54	107.30
13	cB	803	CLA	C4B-C3B-C2B	-2.22	104.54	107.30
13	dA	826	CLA	CHD-C4C-NC	2.22	127.68	124.23
13	cB	825	CLA	CMC-C2C-C1C	2.22	128.50	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	817	CLA	CHB-C4A-NA	2.22	127.61	124.40
15	cJ	102	BCR	C2-C1-C6	2.22	113.67	110.44
15	bA	847	BCR	C27-C26-C25	2.22	125.70	122.70
15	aJ	102	BCR	C24-C23-C22	-2.22	122.95	126.23
15	aB	838	BCR	C11-C10-C9	-2.22	124.16	127.28
13	aA	817	CLA	CHB-C4A-NA	2.22	127.60	124.40
13	aB	811	CLA	CHB-C4A-NA	2.22	127.60	124.40
13	cA	814	CLA	CMC-C2C-C1C	2.22	128.50	125.03
13	cB	832	CLA	CHB-C1B-C2B	-2.22	120.98	127.43
13	bA	838	CLA	CBC-CAC-C3C	-2.22	106.40	112.42
13	bB	825	CLA	CHA-C1A-NA	-2.22	121.37	126.39
13	dA	837	CLA	CHA-C1A-NA	-2.22	121.37	126.39
15	aB	836	BCR	C15-C16-C17	-2.22	118.98	123.52
13	dA	844	CLA	CHC-C1C-NC	2.22	127.65	124.31
13	dB	819	CLA	CMD-C2D-C3D	-2.22	122.60	127.69
15	aJ	102	BCR	C2-C1-C6	2.22	113.66	110.44
13	aA	843	CLA	CMB-C2B-C1B	2.22	128.79	125.42
13	bB	816	CLA	O2A-CGA-O1A	-2.22	118.08	123.63
13	cB	806	CLA	C4B-C3B-C2B	-2.22	104.55	107.30
13	aA	812	CLA	CHB-C1B-C2B	-2.22	120.99	127.43
13	cB	825	CLA	C3B-C4B-NB	2.22	112.51	110.53
13	bB	802	CLA	CMC-C2C-C1C	2.22	128.50	125.03
15	cA	846	BCR	C7-C8-C9	-2.22	122.96	126.23
13	dB	822	CLA	CMC-C2C-C1C	2.22	128.50	125.03
15	aA	849	BCR	C3-C4-C5	-2.22	110.10	114.06
13	bB	831	CLA	CGD-CBD-CAD	-2.22	103.67	110.85
15	bA	846	BCR	C24-C23-C22	-2.22	122.96	126.23
13	aL	204	CLA	CHA-C1A-NA	-2.22	121.38	126.39
13	cB	805	CLA	CHD-C4C-NC	2.22	127.67	124.23
13	cA	812	CLA	CHB-C1B-C2B	-2.21	121.00	127.43
13	dB	825	CLA	CHA-C1A-NA	-2.21	121.38	126.39
13	cB	807	CLA	CBA-CAA-C2A	2.21	120.38	113.79
15	dF	202	BCR	C40-C30-C25	2.21	113.72	110.24
13	aB	824	CLA	CHB-C4A-NA	2.21	127.59	124.40
13	dB	831	CLA	CHD-C4C-NC	2.21	127.66	124.23
13	dB	832	CLA	CHA-C1A-NA	-2.21	121.38	126.39
13	dA	809	CLA	CHB-C4A-NA	2.21	127.59	124.40
13	aA	823	CLA	CBA-CAA-C2A	2.21	120.38	113.79
15	cA	849	BCR	C3-C4-C5	-2.21	110.11	114.06
13	dA	840	CLA	O2A-CGA-O1A	-2.21	118.09	123.63
18	dB	837	LMG	O3-C3-C2	-2.21	105.16	110.38
13	aB	829	CLA	CHA-C1A-NA	-2.21	121.38	126.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	834	CLA	CHA-C1A-NA	-2.21	121.38	126.39
13	cA	812	CLA	CMC-C2C-C1C	2.21	128.49	125.03
13	dA	835	CLA	C4B-C3B-C2B	-2.21	104.55	107.30
13	dA	821	CLA	CMB-C2B-C1B	2.21	128.78	125.42
13	dB	819	CLA	CMB-C2B-C3B	2.21	131.75	126.55
13	cA	812	CLA	CED-O2D-CGD	2.21	120.93	115.92
13	aA	819	CLA	C3B-C4B-NB	2.21	112.50	110.53
13	dB	816	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
13	dA	838	CLA	CBC-CAC-C3C	-2.21	106.43	112.42
13	dA	805	CLA	CMD-C2D-C3D	-2.21	122.62	127.69
13	aB	806	CLA	C4B-C3B-C2B	-2.21	104.55	107.30
15	aB	836	BCR	C16-C15-C14	-2.21	119.00	123.52
13	cB	829	CLA	CHA-C1A-NA	-2.21	121.39	126.39
13	bB	811	CLA	CAC-C3C-C4C	2.21	127.66	124.79
15	cB	836	BCR	C16-C15-C14	-2.21	119.00	123.52
15	cB	838	BCR	C11-C10-C9	-2.21	124.18	127.28
13	cA	817	CLA	CBC-CAC-C3C	-2.21	106.43	112.42
15	aB	838	BCR	C15-C16-C17	-2.21	119.00	123.52
13	cF	204	CLA	O2A-CGA-CBA	2.21	120.97	114.00
13	bB	831	CLA	CHD-C4C-NC	2.21	127.65	124.23
13	aB	807	CLA	CBA-CAA-C2A	2.21	120.36	113.79
13	cB	817	CLA	CGD-CBD-CAD	-2.21	103.70	110.85
13	bA	844	CLA	CBC-CAC-C3C	-2.21	106.44	112.42
13	aF	204	CLA	O2A-CGA-CBA	2.21	120.97	114.00
13	bB	806	CLA	O2A-C1-C2	2.21	116.60	108.11
13	dB	806	CLA	O2A-C1-C2	2.21	116.60	108.11
13	aB	803	CLA	CHB-C1B-NB	-2.21	120.74	124.05
13	aJ	101	CLA	CHB-C1B-C2B	-2.21	121.03	127.43
13	cF	204	CLA	CHB-C1B-C2B	-2.20	121.03	127.43
15	dL	201	BCR	C16-C17-C18	-2.20	124.19	127.28
13	aB	817	CLA	CGD-CBD-CAD	-2.20	103.71	110.85
13	cJ	101	CLA	CHB-C1B-C2B	-2.20	121.03	127.43
13	bB	803	CLA	O2A-C1-C2	2.20	116.59	108.11
13	cA	823	CLA	CBA-CAA-C2A	2.20	120.35	113.79
15	aA	845	BCR	C30-C25-C26	-2.20	119.62	122.64
15	dA	847	BCR	C27-C26-C25	2.20	125.68	122.70
15	dJ	103	BCR	C7-C8-C9	-2.20	122.97	126.23
13	cA	819	CLA	C3B-C4B-NB	2.20	112.50	110.53
13	cB	809	CLA	CBA-CAA-C2A	2.20	120.35	113.79
13	cA	807	CLA	C11-C12-C13	-2.20	108.64	115.97
15	dA	847	BCR	C33-C5-C6	-2.20	122.08	124.48
13	dB	813	CLA	CAA-C2A-C3A	-2.20	107.05	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	807	CLA	C11-C12-C13	-2.20	108.65	115.97
13	bB	813	CLA	CAA-C2A-C3A	-2.20	107.05	113.00
13	dB	803	CLA	O2A-C1-C2	2.20	116.58	108.11
13	cB	803	CLA	O2D-CGD-O1D	-2.20	119.56	123.85
13	cL	204	CLA	CHA-C1A-NA	-2.20	121.41	126.39
13	cL	202	CLA	CMC-C2C-C1C	2.20	128.47	125.03
16	aA	850	LHG	O8-C23-C24	2.20	118.54	111.83
13	bA	840	CLA	O2A-CGA-O1A	-2.20	118.12	123.63
13	aB	803	CLA	O2D-CGD-O1D	-2.20	119.57	123.85
12	dA	801	CL0	C4-C3-C5	2.20	119.05	115.23
13	aB	803	CLA	C4B-C3B-C2B	-2.20	104.57	107.30
13	bA	815	CLA	O1D-CGD-CBD	-2.20	120.18	124.52
13	cK	201	CLA	CHA-C1A-NA	-2.20	121.41	126.39
13	bA	817	CLA	CAC-C3C-C4C	2.20	127.65	124.79
13	bA	805	CLA	CMD-C2D-C3D	-2.20	122.65	127.69
13	cL	204	CLA	CMC-C2C-C1C	2.20	128.47	125.03
13	aB	828	CLA	CHB-C4A-NA	2.20	127.57	124.40
12	bA	801	CL0	C4-C3-C5	2.20	119.04	115.23
13	aB	810	CLA	CHC-C1C-NC	2.20	127.62	124.31
13	cB	810	CLA	CHC-C1C-NC	2.20	127.62	124.31
15	aA	846	BCR	C7-C8-C9	-2.20	122.98	126.23
15	aI	101	BCR	C11-C10-C9	-2.20	124.20	127.28
15	cB	838	BCR	C16-C17-C18	-2.20	124.20	127.28
13	aB	830	CLA	CAA-C2A-C1A	2.20	119.17	111.97
15	bA	849	BCR	C30-C25-C26	-2.20	119.64	122.64
15	dA	849	BCR	C30-C25-C26	-2.20	119.64	122.64
13	aB	809	CLA	CBA-CAA-C2A	2.20	120.32	113.79
13	aA	812	CLA	CMC-C2C-C1C	2.19	128.46	125.03
13	aA	817	CLA	CBC-CAC-C3C	-2.19	106.47	112.42
13	dB	819	CLA	CHB-C1B-C2B	-2.19	121.06	127.43
13	aF	204	CLA	CHB-C1B-C2B	-2.19	121.06	127.43
13	dA	844	CLA	CMC-C2C-C1C	2.19	128.46	125.03
13	aA	842	CLA	CHA-C1A-NA	-2.19	121.42	126.39
13	cA	842	CLA	CHA-C1A-NA	-2.19	121.42	126.39
16	cA	850	LHG	O8-C23-C24	2.19	118.52	111.83
13	bA	831	CLA	O1D-CGD-CBD	-2.19	120.19	124.52
13	aB	825	CLA	CMC-C2C-C1C	2.19	128.46	125.03
13	aA	812	CLA	CED-O2D-CGD	2.19	120.89	115.92
13	cB	805	CLA	CHC-C1C-NC	2.19	127.61	124.31
15	bL	201	BCR	C16-C17-C18	-2.19	124.21	127.28
13	bB	822	CLA	CMC-C2C-C1C	2.19	128.46	125.03
13	bB	819	CLA	CHB-C1B-C2B	-2.19	121.07	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aB	825	CLA	O1D-CGD-CBD	-2.19	120.20	124.52
13	cB	806	CLA	O2D-CGD-O1D	-2.19	119.59	123.85
13	dA	844	CLA	CBC-CAC-C3C	-2.19	106.48	112.42
13	bB	803	CLA	O2A-CGA-O1A	-2.19	118.15	123.63
13	dB	803	CLA	O2A-CGA-O1A	-2.19	118.15	123.63
13	cB	803	CLA	CHB-C1B-NB	-2.19	120.77	124.05
13	cA	842	CLA	CHB-C4A-NA	2.19	127.56	124.40
15	aB	838	BCR	C16-C17-C18	-2.19	124.21	127.28
15	cI	101	BCR	C11-C10-C9	-2.19	124.21	127.28
13	aK	201	CLA	CHA-C1A-NA	-2.19	121.43	126.39
13	cA	806	CLA	CHB-C1B-C2B	-2.19	121.07	127.43
13	cB	816	CLA	CBC-CAC-C3C	-2.19	106.49	112.42
13	bF	204	CLA	CBC-CAC-C3C	-2.19	106.49	112.42
13	dF	204	CLA	CBC-CAC-C3C	-2.19	106.49	112.42
13	bA	811	CLA	CHA-C1A-NA	-2.19	121.44	126.39
13	cK	203	CLA	CHB-C4A-NA	2.19	127.56	124.40
13	dB	807	CLA	CMB-C2B-C1B	2.19	128.75	125.42
13	aK	203	CLA	CHB-C4A-NA	2.19	127.55	124.40
13	dL	203	CLA	CHB-C4A-NA	2.19	127.55	124.40
13	aA	806	CLA	CHB-C1B-C2B	-2.19	121.08	127.43
13	cB	824	CLA	CHB-C4A-NA	2.18	127.55	124.40
13	cB	806	CLA	CBC-CAC-C3C	-2.18	106.50	112.42
15	bF	202	BCR	C40-C30-C25	2.18	113.67	110.24
13	bA	836	CLA	CHB-C1B-C2B	-2.18	121.09	127.43
13	dA	811	CLA	CHA-C1A-NA	-2.18	121.45	126.39
13	dA	834	CLA	C4-C3-C5	2.18	119.02	115.23
13	cB	805	CLA	C4A-NA-C1A	-2.18	105.68	106.68
13	bB	827	CLA	CMB-C2B-C1B	2.18	128.74	125.42
13	bA	817	CLA	CHA-C1A-NA	-2.18	121.45	126.39
13	dA	831	CLA	O1D-CGD-CBD	-2.18	120.21	124.52
13	cA	837	CLA	CBA-CAA-C2A	2.18	120.29	113.79
15	aF	203	BCR	C2-C1-C6	2.18	113.61	110.44
13	cA	810	CLA	O2A-CGA-CBA	2.18	120.89	114.00
13	dA	841	CLA	CAC-C3C-C4C	2.18	127.63	124.79
13	cA	807	CLA	CHB-C4A-NA	2.18	127.55	124.40
13	dA	840	CLA	C5-C3-C4	2.18	119.61	114.59
13	dB	826	CLA	CAA-CBA-CGA	-2.18	107.01	113.21
13	aB	805	CLA	CHC-C1C-NC	2.18	127.60	124.31
13	aB	806	CLA	C4-C3-C5	2.18	119.02	115.23
13	cB	827	CLA	CBC-CAC-C3C	-2.18	106.51	112.42
13	dA	817	CLA	CHA-C1A-NA	-2.18	121.45	126.39
13	cB	830	CLA	CAA-C2A-C1A	2.18	119.12	111.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	837	CLA	CBA-CAA-C2A	2.18	120.28	113.79
13	aA	825	CLA	CMC-C2C-C1C	2.18	128.44	125.03
13	aB	806	CLA	CBC-CAC-C3C	-2.18	106.51	112.42
13	aB	816	CLA	CBC-CAC-C3C	-2.18	106.51	112.42
13	dA	811	CLA	O2A-CGA-CBA	2.18	120.89	114.00
13	dA	810	CLA	CMA-C3A-C4A	-2.18	105.91	111.77
13	bA	844	CLA	CMC-C2C-C1C	2.18	128.44	125.03
13	cA	812	CLA	C11-C12-C13	-2.18	108.72	115.97
15	dA	846	BCR	C24-C23-C22	-2.18	123.01	126.23
13	aB	827	CLA	CBC-CAC-C3C	-2.18	106.51	112.42
13	aB	805	CLA	CHD-C4C-NC	2.18	127.61	124.23
13	aB	834	CLA	CHD-C4C-NC	2.18	127.61	124.23
13	aB	808	CLA	CMC-C2C-C1C	2.18	128.44	125.03
13	aL	204	CLA	CMC-C2C-C1C	2.18	128.44	125.03
15	bJ	103	BCR	C7-C8-C9	-2.18	123.01	126.23
15	cI	101	BCR	C7-C8-C9	-2.18	123.01	126.23
15	cL	206	BCR	C20-C21-C22	-2.18	124.22	127.28
13	aA	804	CLA	O2A-CGA-CBA	2.18	120.88	114.00
13	bA	812	CLA	O2A-CGA-O1A	-2.18	118.18	123.63
13	bA	843	CLA	CMA-C3A-C4A	-2.18	105.92	111.77
13	aA	842	CLA	CHB-C4A-NA	2.18	127.54	124.40
13	dA	815	CLA	O1D-CGD-CBD	-2.18	120.22	124.52
13	dB	827	CLA	CMB-C2B-C1B	2.18	128.73	125.42
13	bB	829	CLA	C4B-C3B-C2B	-2.18	104.60	107.30
15	dA	847	BCR	C29-C30-C25	2.18	113.60	110.44
13	bA	811	CLA	O2A-CGA-CBA	2.18	120.88	114.00
13	cA	804	CLA	O1D-CGD-CBD	-2.18	120.23	124.52
13	aB	825	CLA	C3B-C4B-NB	2.18	112.47	110.53
15	bB	835	BCR	C7-C8-C9	-2.18	123.02	126.23
13	aA	807	CLA	CHB-C4A-NA	2.18	127.54	124.40
13	aB	806	CLA	O2D-CGD-O1D	-2.18	119.61	123.85
13	cB	829	CLA	CMC-C2C-C1C	2.18	128.43	125.03
13	dA	843	CLA	CMA-C3A-C4A	-2.17	105.93	111.77
13	aA	833	CLA	O2D-CGD-O1D	-2.17	119.61	123.85
13	cA	830	CLA	CHA-C1A-NA	-2.17	121.47	126.39
13	cA	809	CLA	CHB-C1B-C2B	-2.17	121.11	127.43
15	aL	206	BCR	C20-C21-C22	-2.17	124.23	127.28
13	cA	825	CLA	CMC-C2C-C1C	2.17	128.43	125.03
13	aA	810	CLA	O2A-CGA-CBA	2.17	120.87	114.00
15	bA	846	BCR	C15-C14-C13	-2.17	124.23	127.28
15	bA	847	BCR	C29-C30-C25	2.17	113.60	110.44
13	dA	817	CLA	CAC-C3C-C4C	2.17	127.62	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	828	CLA	OBD-CAD-C3D	-2.17	123.34	128.42
13	aB	830	CLA	CMC-C2C-C1C	2.17	128.43	125.03
13	cB	825	CLA	O1D-CGD-CBD	-2.17	120.23	124.52
13	aA	809	CLA	CHB-C1B-C2B	-2.17	121.12	127.43
13	bA	810	CLA	CMA-C3A-C4A	-2.17	105.94	111.77
13	cB	825	CLA	CHB-C1B-C2B	-2.17	121.12	127.43
15	aI	101	BCR	C7-C8-C9	-2.17	123.02	126.23
13	aA	815	CLA	C2A-C3A-C4A	-2.17	98.36	101.87
13	dA	827	CLA	CAA-CBA-CGA	-2.17	107.05	113.21
13	dA	836	CLA	CHB-C1B-C2B	-2.17	121.13	127.43
13	dB	829	CLA	C4B-C3B-C2B	-2.17	104.60	107.30
13	bA	827	CLA	CHB-C4A-NA	2.17	127.53	124.40
13	bA	844	CLA	CMA-C3A-C4A	-2.17	105.94	111.77
13	bA	831	CLA	CHB-C1B-C2B	-2.17	121.13	127.43
13	cA	834	CLA	CMC-C2C-C1C	2.17	128.42	125.03
13	dA	833	CLA	CMC-C2C-C1C	2.17	128.42	125.03
13	dA	831	CLA	CHB-C1B-C2B	-2.17	121.13	127.43
13	cA	815	CLA	C2A-C3A-C4A	-2.17	98.37	101.87
15	dB	835	BCR	C7-C8-C9	-2.17	123.03	126.23
13	bB	826	CLA	CAA-CBA-CGA	-2.17	107.05	113.21
13	dA	833	CLA	CHB-C4A-NA	2.17	127.53	124.40
13	cA	818	CLA	C1-C2-C3	-2.17	122.64	126.20
13	dB	805	CLA	O1D-CGD-CBD	-2.17	120.24	124.52
13	cA	804	CLA	O2A-CGA-CBA	2.17	120.85	114.00
13	bA	840	CLA	C5-C3-C4	2.17	119.58	114.59
13	dA	840	CLA	OBD-CAD-C3D	-2.17	123.35	128.42
13	cA	833	CLA	O2D-CGD-O1D	-2.17	119.63	123.85
13	cB	828	CLA	O2D-CGD-O1D	-2.17	119.63	123.85
13	aB	829	CLA	CMB-C2B-C1B	2.17	128.72	125.42
15	aF	202	BCR	C30-C25-C26	-2.17	119.68	122.64
13	dB	828	CLA	CGD-CBD-CAD	-2.17	103.83	110.85
13	cB	822	CLA	O1D-CGD-CBD	-2.17	120.25	124.52
15	bB	835	BCR	C15-C14-C13	-2.16	124.24	127.28
13	dA	828	CLA	OBD-CAD-C3D	-2.16	123.36	128.42
15	aA	845	BCR	C7-C8-C9	-2.16	123.03	126.23
13	aA	818	CLA	C1-C2-C3	-2.16	122.65	126.20
13	dA	844	CLA	CMA-C3A-C4A	-2.16	105.96	111.77
13	aA	812	CLA	C11-C12-C13	-2.16	108.77	115.97
13	cB	829	CLA	CMB-C2B-C1B	2.16	128.71	125.42
13	bA	840	CLA	OBD-CAD-C3D	-2.16	123.36	128.42
13	aB	825	CLA	CHB-C1B-C2B	-2.16	121.15	127.43
13	bA	827	CLA	CAA-CBA-CGA	-2.16	107.07	113.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	834	CLA	CMC-C2C-C1C	2.16	128.41	125.03
14	bA	845	PQN	C11-C12-C13	-2.16	123.11	126.83
13	cA	843	CLA	CHA-C1A-NA	-2.16	121.50	126.39
13	aB	829	CLA	CMC-C2C-C1C	2.16	128.41	125.03
13	aA	830	CLA	CHA-C1A-NA	-2.16	121.50	126.39
13	bB	828	CLA	CGD-CBD-CAD	-2.16	103.86	110.85
13	aB	829	CLA	O2A-CGA-CBA	2.16	120.82	114.00
13	bA	841	CLA	CAC-C3C-C4C	2.16	127.60	124.79
13	bB	807	CLA	CMB-C2B-C1B	2.16	128.71	125.42
13	cA	805	CLA	O2D-CGD-O1D	-2.16	119.65	123.85
13	aA	805	CLA	O2D-CGD-O1D	-2.16	119.65	123.85
13	cB	806	CLA	C4-C3-C5	2.16	118.97	115.23
13	dA	812	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
13	bA	804	CLA	O2D-CGD-O1D	-2.16	119.65	123.85
15	bA	847	BCR	C33-C5-C6	-2.16	122.13	124.48
15	cF	203	BCR	C2-C1-C6	2.16	113.57	110.44
13	cB	828	CLA	CMC-C2C-C1C	2.16	128.40	125.03
13	aB	801	CLA	CHB-C4A-NA	2.16	127.51	124.40
13	bA	834	CLA	C4-C3-C5	2.15	118.97	115.23
13	aB	820	CLA	CAA-CBA-CGA	-2.15	107.09	113.21
15	aL	206	BCR	C37-C22-C21	-2.15	119.33	122.82
13	aL	203	CLA	O1D-CGD-CBD	-2.15	120.27	124.52
14	dA	845	PQN	C11-C12-C13	-2.15	123.12	126.83
13	aB	828	CLA	CMC-C2C-C1C	2.15	128.40	125.03
13	cB	832	CLA	CGD-CBD-CAD	-2.15	103.88	110.85
13	dA	833	CLA	C3B-C4B-NB	2.15	112.45	110.53
13	cB	820	CLA	CAA-CBA-CGA	-2.15	107.09	113.21
13	cB	829	CLA	O2A-CGA-CBA	2.15	120.80	114.00
13	cB	808	CLA	CMC-C2C-C1C	2.15	128.40	125.03
15	cL	206	BCR	C37-C22-C21	-2.15	119.33	122.82
13	bB	825	CLA	CHD-C4C-NC	2.15	127.57	124.23
13	bB	811	CLA	CMC-C2C-C3C	2.15	131.97	126.15
13	cL	203	CLA	O1D-CGD-CBD	-2.15	120.27	124.52
13	bA	833	CLA	CHB-C4A-NA	2.15	127.50	124.40
15	cA	845	BCR	C7-C8-C9	-2.15	123.05	126.23
13	cB	827	CLA	CHD-C4C-NC	2.15	127.57	124.23
13	aB	828	CLA	O2D-CGD-O1D	-2.15	119.66	123.85
13	dA	827	CLA	CHB-C4A-NA	2.15	127.50	124.40
15	bA	850	BCR	C7-C8-C9	-2.15	123.05	126.23
13	aA	804	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
15	aB	836	BCR	C29-C30-C25	2.15	113.56	110.44
13	cB	834	CLA	CHD-C4C-NC	2.15	127.56	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	827	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
13	bA	826	CLA	CMC-C2C-C1C	2.15	128.39	125.03
13	cB	830	CLA	CMC-C2C-C1C	2.15	128.39	125.03
13	aA	843	CLA	CHA-C1A-NA	-2.15	121.52	126.39
13	aA	827	CLA	C1-O2A-CGA	2.15	121.85	116.65
15	cI	101	BCR	C33-C5-C6	-2.15	122.14	124.48
13	dA	821	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
13	dB	825	CLA	CHD-C4C-NC	2.15	127.56	124.23
13	bB	817	CLA	CGD-CBD-CAD	-2.15	103.89	110.85
13	cB	827	CLA	CMA-C3A-C4A	-2.15	106.00	111.77
15	dA	850	BCR	C7-C8-C9	-2.15	123.06	126.23
13	bA	839	CLA	CHB-C4A-NA	2.15	127.50	124.40
13	aB	822	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
13	dA	831	CLA	C1-O2A-CGA	2.15	121.85	116.65
13	dA	816	CLA	CHA-C1A-NA	-2.15	121.53	126.39
13	dB	811	CLA	CMC-C2C-C3C	2.15	131.95	126.15
13	bB	811	CLA	CMA-C3A-C2A	-2.15	105.69	113.98
13	aA	816	CLA	O2A-CGA-CBA	2.14	120.78	114.00
13	bA	821	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
13	bA	808	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
13	dA	808	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
13	bA	833	CLA	CMC-C2C-C1C	2.14	128.38	125.03
13	dB	821	CLA	CHA-C1A-NA	-2.14	121.54	126.39
13	dB	818	CLA	CMB-C2B-C1B	2.14	128.68	125.42
13	dA	804	CLA	O2D-CGD-O1D	-2.14	119.68	123.85
13	dB	811	CLA	CMA-C3A-C2A	-2.14	105.70	113.98
15	bJ	104	BCR	C1-C6-C5	-2.14	119.71	122.64
13	cB	822	CLA	CMB-C2B-C3B	2.14	131.59	126.55
13	dJ	101	CLA	CMB-C2B-C1B	2.14	128.68	125.42
18	aB	839	LMG	O3-C3-C2	-2.14	105.33	110.38
15	aI	101	BCR	C33-C5-C6	-2.14	122.15	124.48
13	cA	816	CLA	CBC-CAC-C3C	-2.14	106.61	112.42
13	dB	817	CLA	CGD-CBD-CAD	-2.14	103.91	110.85
13	dA	836	CLA	CMC-C2C-C1C	2.14	128.38	125.03
13	cA	816	CLA	O2A-CGA-CBA	2.14	120.77	114.00
13	dA	831	CLA	O2A-CGA-CBA	2.14	118.36	111.83
13	bB	822	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
13	dB	824	CLA	CMC-C2C-C1C	2.14	128.38	125.03
13	cA	832	CLA	CBB-CAB-C3B	-2.14	116.83	127.53
13	dA	837	CLA	CHB-C1B-C2B	-2.14	121.22	127.43
13	dB	822	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
13	dA	827	CLA	CAC-C3C-C4C	2.14	127.57	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	832	CLA	O1D-CGD-CBD	-2.14	120.30	124.52
13	bB	805	CLA	O1D-CGD-CBD	-2.14	120.30	124.52
13	cB	821	CLA	CHB-C4A-NA	2.14	127.49	124.40
13	dB	821	CLA	C11-C10-C8	-2.14	108.86	115.97
13	aB	832	CLA	CGD-CBD-CAD	-2.14	103.92	110.85
13	cB	801	CLA	CHB-C4A-NA	2.14	127.48	124.40
13	bB	821	CLA	CHA-C1A-NA	-2.14	121.55	126.39
13	bA	831	CLA	O2A-CGA-CBA	2.14	118.35	111.83
13	cA	809	CLA	CHA-C1A-NA	-2.14	121.55	126.39
13	cK	204	CLA	O2A-CGA-CBA	2.14	120.21	112.14
13	cJ	101	CLA	O2A-CGA-CBA	2.14	120.75	114.00
15	dA	846	BCR	C15-C14-C13	-2.14	124.28	127.28
13	aA	816	CLA	CBC-CAC-C3C	-2.14	106.63	112.42
13	aA	830	CLA	CBC-CAC-C3C	-2.14	106.63	112.42
13	cA	830	CLA	CBC-CAC-C3C	-2.14	106.63	112.42
13	bA	816	CLA	CHA-C1A-NA	-2.14	121.56	126.39
13	aK	204	CLA	O2A-CGA-CBA	2.14	120.21	112.14
13	dB	827	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
15	dB	835	BCR	C15-C14-C13	-2.13	124.28	127.28
13	bA	836	CLA	CMC-C2C-C1C	2.13	128.37	125.03
13	aA	832	CLA	CBB-CAB-C3B	-2.13	116.86	127.53
13	dJ	101	CLA	CMC-C2C-C1C	2.13	128.37	125.03
15	aJ	104	BCR	C11-C10-C9	-2.13	124.28	127.28
15	cM	101	BCR	C11-C10-C9	-2.13	124.28	127.28
13	bA	833	CLA	C3B-C4B-NB	2.13	112.44	110.53
13	dB	822	CLA	CHB-C1B-C2B	-2.13	121.23	127.43
13	aJ	101	CLA	O2A-CGA-CBA	2.13	120.74	114.00
13	dB	806	CLA	CMC-C2C-C1C	2.13	128.37	125.03
13	bA	831	CLA	C1-O2A-CGA	2.13	121.81	116.65
13	aA	831	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
13	cA	825	CLA	CHB-C1B-C2B	-2.13	121.23	127.43
13	cA	840	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
15	cB	836	BCR	C29-C30-C25	2.13	113.54	110.44
15	cJ	104	BCR	C11-C10-C9	-2.13	124.29	127.28
13	aA	807	CLA	CHC-C1C-NC	2.13	127.52	124.31
13	bB	821	CLA	C11-C10-C8	-2.13	108.88	115.97
13	aB	827	CLA	CMA-C3A-C4A	-2.13	106.04	111.77
13	dB	811	CLA	C6-C7-C8	-2.13	108.88	115.97
13	aB	815	CLA	C4-C3-C5	2.13	118.93	115.23
13	bA	837	CLA	CHB-C1B-C2B	-2.13	121.24	127.43
13	dA	808	CLA	CBC-CAC-C3C	-2.13	106.64	112.42
13	dA	829	CLA	CBA-CAA-C2A	2.13	120.13	113.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bJ	101	CLA	CMB-C2B-C1B	2.13	128.66	125.42
13	aB	815	CLA	CMC-C2C-C1C	2.13	128.36	125.03
15	aM	101	BCR	C11-C10-C9	-2.13	124.29	127.28
13	aA	809	CLA	CHA-C1A-NA	-2.13	121.57	126.39
13	aA	825	CLA	CHB-C1B-C2B	-2.13	121.24	127.43
13	dA	819	CLA	CAA-C2A-C3A	-2.13	107.24	113.00
13	bA	808	CLA	CBC-CAC-C3C	-2.13	106.65	112.42
13	dB	806	CLA	CHB-C4A-NA	2.13	127.47	124.40
13	bA	819	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
18	cB	839	LMG	O3-C3-C2	-2.13	105.36	110.38
13	aB	831	CLA	CED-O2D-CGD	2.13	120.75	115.92
13	bA	829	CLA	CBA-CAA-C2A	2.13	120.13	113.79
13	aB	827	CLA	CHD-C4C-NC	2.13	127.53	124.23
13	dB	826	CLA	O2D-CGD-O1D	-2.13	119.70	123.85
13	bB	806	CLA	CMC-C2C-C1C	2.13	128.36	125.03
13	dB	803	CLA	C7-C6-C5	-2.13	107.59	113.26
15	cF	202	BCR	C30-C25-C26	-2.13	119.73	122.64
15	dJ	102	BCR	C30-C25-C26	-2.13	119.73	122.64
13	dA	826	CLA	CMC-C2C-C1C	2.13	128.36	125.03
13	aB	815	CLA	C1-C2-C3	-2.13	122.71	126.20
13	dA	819	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
13	aA	827	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
13	bA	842	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
13	aA	820	CLA	CBC-CAC-C3C	-2.13	106.65	112.42
13	dA	839	CLA	CHB-C4A-NA	2.13	127.47	124.40
13	cA	827	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
13	dB	815	CLA	C4B-C3B-C2B	-2.13	104.66	107.30
13	aB	803	CLA	C4A-NA-C1A	-2.13	105.71	106.68
15	aA	846	BCR	C21-C20-C19	-2.13	117.04	123.20
13	aB	818	CLA	CBC-CAC-C3C	-2.13	106.66	112.42
13	dA	803	CLA	CBC-CAC-C3C	-2.13	106.66	112.42
13	aA	815	CLA	C4B-C3B-C2B	-2.13	104.66	107.30
13	dA	834	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
13	cB	815	CLA	CMC-C2C-C1C	2.13	128.35	125.03
13	cA	802	CLA	CGD-CBD-CAD	-2.13	103.97	110.85
13	cA	820	CLA	CBC-CAC-C3C	-2.13	106.66	112.42
13	aB	822	CLA	CMB-C2B-C3B	2.12	131.55	126.55
13	bB	815	CLA	C4B-C3B-C2B	-2.12	104.66	107.30
13	cF	204	CLA	CMC-C2C-C1C	2.12	128.35	125.03
13	bA	819	CLA	CAA-C2A-C3A	-2.12	107.26	113.00
13	cA	827	CLA	C1-O2A-CGA	2.12	121.79	116.65
13	bB	811	CLA	C6-C7-C8	-2.12	108.90	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	811	CLA	C6-C5-C3	-2.12	108.29	113.47
13	dA	842	CLA	CHB-C1B-C2B	-2.12	121.26	127.43
13	cA	831	CLA	O1D-CGD-CBD	-2.12	120.33	124.52
13	bB	822	CLA	CHB-C1B-C2B	-2.12	121.26	127.43
15	cA	846	BCR	C21-C20-C19	-2.12	117.05	123.20
13	aA	802	CLA	CGD-CBD-CAD	-2.12	103.97	110.85
13	aB	821	CLA	CHB-C4A-NA	2.12	127.46	124.40
13	bB	803	CLA	C7-C6-C5	-2.12	107.60	113.26
13	bA	803	CLA	CBC-CAC-C3C	-2.12	106.67	112.42
15	bM	101	BCR	C2-C1-C6	2.12	113.52	110.44
13	aA	822	CLA	O2A-CGA-CBA	2.12	118.31	111.83
13	aK	203	CLA	CHA-C1A-NA	-2.12	121.59	126.39
13	aA	832	CLA	O1D-CGD-CBD	-2.12	120.33	124.52
13	cB	815	CLA	C4-C3-C5	2.12	118.91	115.23
13	bB	806	CLA	CHB-C4A-NA	2.12	127.46	124.40
13	cB	831	CLA	CED-O2D-CGD	2.12	120.73	115.92
13	cA	822	CLA	O2A-CGA-CBA	2.12	118.30	111.83
13	dB	811	CLA	C6-C5-C3	-2.12	108.30	113.47
13	bB	826	CLA	O2D-CGD-O1D	-2.12	119.72	123.85
13	dB	820	CLA	O2D-CGD-O1D	-2.12	119.72	123.85
15	dA	851	BCR	C4-C5-C6	2.12	125.57	122.70
13	bA	806	CLA	CHA-C1A-NA	-2.12	121.59	126.39
13	aA	830	CLA	O2D-CGD-O1D	-2.12	119.72	123.85
13	cK	203	CLA	CHA-C1A-NA	-2.12	121.59	126.39
13	aB	823	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
13	dA	806	CLA	CHA-C1A-NA	-2.12	121.59	126.39
15	aA	847	BCR	C20-C21-C22	-2.12	124.31	127.28
15	cF	202	BCR	C11-C10-C9	-2.12	124.31	127.28
13	aB	820	CLA	C2A-C3A-C4A	-2.12	98.45	101.87
13	dB	803	CLA	C3B-C4B-NB	2.12	112.42	110.53
13	bB	824	CLA	CMC-C2C-C1C	2.12	128.34	125.03
13	dF	204	CLA	O2D-CGD-O1D	-2.12	119.73	123.85
13	bJ	101	CLA	CMC-C2C-C1C	2.12	128.34	125.03
13	cB	820	CLA	C2A-C3A-C4A	-2.12	98.45	101.87
13	aB	820	CLA	O2D-CGD-O1D	-2.12	119.73	123.85
13	dA	808	CLA	CHB-C1B-C2B	-2.12	121.28	127.43
13	aA	826	CLA	O2D-CGD-O1D	-2.12	119.73	123.85
13	cB	815	CLA	C1-C2-C3	-2.12	122.73	126.20
13	bA	827	CLA	CAC-C3C-C4C	2.12	127.54	124.79
15	dJ	104	BCR	C1-C6-C5	-2.12	119.75	122.64
13	bB	803	CLA	C2A-C3A-C4A	-2.11	98.45	101.87
13	bA	834	CLA	O2D-CGD-O1D	-2.11	119.73	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cB	819	CLA	O2D-CGD-O1D	-2.11	119.73	123.85
13	dB	803	CLA	C2A-C3A-C4A	-2.11	98.45	101.87
13	cF	204	CLA	O1D-CGD-CBD	-2.11	120.35	124.52
13	bA	808	CLA	CHB-C1B-C2B	-2.11	121.29	127.43
13	aA	840	CLA	O1D-CGD-CBD	-2.11	120.35	124.52
15	dA	851	BCR	C10-C11-C12	-2.11	117.08	123.20
13	bB	818	CLA	CMB-C2B-C1B	2.11	128.64	125.42
13	dB	818	CLA	CHA-C1A-NA	-2.11	121.61	126.39
13	dB	829	CLA	C3B-C4B-NB	2.11	112.42	110.53
13	aB	813	CLA	O2D-CGD-O1D	-2.11	119.74	123.85
13	cB	827	CLA	CHB-C1B-NB	-2.11	120.88	124.05
12	dA	801	CL0	C11-C10-C8	-2.11	108.95	115.97
15	cA	847	BCR	C20-C21-C22	-2.11	124.32	127.28
13	cB	818	CLA	CBC-CAC-C3C	-2.11	106.70	112.42
13	cA	803	CLA	CMC-C2C-C1C	2.11	128.33	125.03
13	dA	838	CLA	CMC-C2C-C3C	2.11	131.85	126.15
13	dA	834	CLA	O2D-CGD-O1D	-2.11	119.74	123.85
13	aB	808	CLA	CAC-C3C-C4C	2.11	127.53	124.79
13	cA	826	CLA	O2D-CGD-O1D	-2.11	119.74	123.85
13	cA	810	CLA	CHA-C1A-NA	-2.11	121.62	126.39
13	bA	840	CLA	CHB-C1B-C2B	-2.11	121.31	127.43
13	cA	807	CLA	CHC-C1C-NC	2.11	127.48	124.31
13	dA	840	CLA	CHB-C1B-C2B	-2.11	121.31	127.43
13	bB	829	CLA	C3B-C4B-NB	2.11	112.41	110.53
13	bA	804	CLA	CBC-CAC-C3C	-2.11	106.71	112.42
13	aA	820	CLA	O2D-CGD-O1D	-2.11	119.75	123.85
13	cA	820	CLA	O2D-CGD-O1D	-2.11	119.75	123.85
13	aA	802	CLA	CMB-C2B-C3B	2.11	131.50	126.55
13	cA	815	CLA	C4B-C3B-C2B	-2.11	104.68	107.30
13	cK	204	CLA	CHA-C1A-NA	-2.11	121.62	126.39
13	cB	813	CLA	CMD-C2D-C3D	-2.10	122.86	127.69
13	bA	841	CLA	CBB-CAB-C3B	-2.10	117.01	127.53
13	cA	830	CLA	O2D-CGD-O1D	-2.10	119.75	123.85
13	cA	808	CLA	CHA-C1A-NA	-2.10	121.63	126.39
15	dA	850	BCR	C20-C21-C22	-2.10	124.33	127.28
13	aK	203	CLA	O2A-CGA-CBA	2.10	120.65	114.00
13	aF	204	CLA	O1D-CGD-CBD	-2.10	120.37	124.52
13	aB	831	CLA	CHB-C4A-NA	2.10	127.44	124.40
13	cB	820	CLA	O2D-CGD-O1D	-2.10	119.75	123.85
13	cA	820	CLA	O1D-CGD-CBD	-2.10	120.37	124.52
15	dA	846	BCR	C36-C18-C17	-2.10	119.41	122.82
13	cA	835	CLA	C4-C3-C5	2.10	118.88	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	841	CLA	CBB-CAB-C3B	-2.10	117.02	127.53
15	bA	851	BCR	C10-C11-C12	-2.10	117.11	123.20
15	dM	101	BCR	C2-C1-C6	2.10	113.49	110.44
13	dA	802	CLA	CMC-C2C-C1C	2.10	128.32	125.03
15	cJ	102	BCR	C38-C26-C27	-2.10	109.11	113.60
13	cA	802	CLA	CMB-C2B-C3B	2.10	131.49	126.55
13	bB	820	CLA	O2D-CGD-O1D	-2.10	119.76	123.85
13	bF	204	CLA	O2D-CGD-O1D	-2.10	119.76	123.85
13	aA	838	CLA	O1D-CGD-CBD	-2.10	120.37	124.52
15	cB	838	BCR	C33-C5-C6	-2.10	122.19	124.48
13	aB	813	CLA	CMD-C2D-C3D	-2.10	122.87	127.69
13	bA	825	CLA	CHA-C1A-NA	-2.10	121.63	126.39
15	bA	846	BCR	C36-C18-C17	-2.10	119.41	122.82
13	dB	825	CLA	C1-C2-C3	-2.10	122.75	126.20
13	cB	824	CLA	CHB-C1B-C2B	-2.10	121.33	127.43
15	bA	850	BCR	C29-C30-C25	2.10	113.49	110.44
15	dA	850	BCR	C29-C30-C25	2.10	113.49	110.44
13	dJ	101	CLA	CHA-C1A-NA	-2.10	121.64	126.39
12	bA	801	CL0	C11-C10-C8	-2.10	108.99	115.97
15	aB	838	BCR	C38-C26-C25	-2.10	122.19	124.48
13	aA	820	CLA	O1D-CGD-CBD	-2.10	120.38	124.52
13	dA	804	CLA	CBC-CAC-C3C	-2.10	106.73	112.42
15	bJ	102	BCR	C30-C25-C26	-2.10	119.77	122.64
13	cK	203	CLA	O2A-CGA-CBA	2.10	120.63	114.00
13	dB	818	CLA	CHB-C4A-NA	2.10	127.43	124.40
15	aK	205	BCR	C28-C27-C26	-2.10	110.31	114.06
13	cB	813	CLA	O2D-CGD-O1D	-2.10	119.76	123.85
13	bB	818	CLA	CHA-C1A-NA	-2.10	121.64	126.39
13	cB	823	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
15	cB	838	BCR	C38-C26-C25	-2.10	122.19	124.48
13	bA	834	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
13	aA	808	CLA	CHA-C1A-NA	-2.10	121.64	126.39
13	aB	811	CLA	CBC-CAC-C3C	-2.10	106.73	112.42
13	aA	810	CLA	CHA-C1A-NA	-2.10	121.64	126.39
13	aB	810	CLA	CHA-C1A-NA	-2.10	121.64	126.39
13	bA	819	CLA	CBA-CAA-C2A	2.10	120.03	113.79
13	aB	819	CLA	O2D-CGD-O1D	-2.10	119.77	123.85
13	cA	838	CLA	O1D-CGD-CBD	-2.10	120.38	124.52
13	aA	829	CLA	CHB-C4A-NA	2.10	127.42	124.40
13	bF	204	CLA	CHB-C4A-NA	2.10	127.42	124.40
14	dB	833	PQN	C8-C7-C6	2.10	122.82	120.24
13	aB	827	CLA	CHB-C1B-NB	-2.10	120.91	124.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bL	203	CLA	O2D-CGD-O1D	-2.10	119.77	123.85
13	bJ	101	CLA	CHA-C1A-NA	-2.09	121.65	126.39
13	bB	803	CLA	C4D-C3D-CAD	-2.09	105.83	108.11
15	dI	101	BCR	C38-C26-C27	-2.09	109.13	113.60
13	bA	819	CLA	CHD-C4C-NC	2.09	127.48	124.23
13	dB	816	CLA	CHB-C4A-NA	2.09	127.42	124.40
13	dB	827	CLA	CAA-C2A-C3A	-2.09	107.34	113.00
13	bJ	101	CLA	CBC-CAC-C3C	-2.09	106.74	112.42
13	aA	828	CLA	CAC-C3C-C4C	2.09	127.51	124.79
13	bB	804	CLA	CHA-C1A-NA	-2.09	121.65	126.39
13	cA	838	CLA	CHA-C1A-NA	-2.09	121.65	126.39
15	bJ	102	BCR	C24-C23-C22	-2.09	123.14	126.23
12	aA	801	CL0	CAC-C3C-C4C	2.09	129.41	124.03
12	cA	801	CL0	CAC-C3C-C4C	2.09	129.41	124.03
13	dA	825	CLA	CHA-C1A-NA	-2.09	121.65	126.39
15	aJ	102	BCR	C38-C26-C27	-2.09	109.13	113.60
13	aF	204	CLA	CMC-C2C-C1C	2.09	128.31	125.03
15	bA	851	BCR	C4-C5-C6	2.09	125.53	122.70
15	aF	202	BCR	C11-C10-C9	-2.09	124.34	127.28
13	dB	806	CLA	CMD-C2D-C3D	-2.09	122.89	127.69
13	bB	823	CLA	CMC-C2C-C1C	2.09	128.30	125.03
15	aF	203	BCR	C35-C13-C14	-2.09	119.43	122.82
13	cB	833	CLA	CGD-CBD-CAD	-2.09	104.07	110.85
13	dL	203	CLA	O2D-CGD-O1D	-2.09	119.78	123.85
13	bA	838	CLA	CMC-C2C-C3C	2.09	131.81	126.15
13	aK	204	CLA	CHA-C1A-NA	-2.09	121.65	126.39
13	cB	818	CLA	CHB-C1B-C2B	-2.09	121.35	127.43
13	bB	827	CLA	CAA-C2A-C3A	-2.09	107.35	113.00
13	dJ	101	CLA	CBC-CAC-C3C	-2.09	106.75	112.42
12	bA	801	CL0	CMC-C2C-C1C	2.09	128.50	124.73
13	aB	808	CLA	CED-O2D-CGD	2.09	120.66	115.92
13	aB	824	CLA	CHB-C1B-C2B	-2.09	121.36	127.43
13	cB	811	CLA	CBC-CAC-C3C	-2.09	106.76	112.42
13	bA	805	CLA	O1D-CGD-CBD	-2.09	120.40	124.52
14	bB	833	PQN	C8-C7-C6	2.09	122.82	120.24
13	cB	808	CLA	CAC-C3C-C4C	2.09	127.51	124.79
13	bA	823	CLA	CHA-C1A-NA	-2.09	121.66	126.39
13	aA	822	CLA	C4-C3-C5	2.09	118.85	115.23
13	aA	835	CLA	C4-C3-C5	2.09	118.85	115.23
13	aA	819	CLA	C4B-C3B-C2B	-2.09	104.71	107.30
13	dB	803	CLA	C4D-C3D-CAD	-2.09	105.84	108.11
13	dB	804	CLA	CHA-C1A-NA	-2.09	121.67	126.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dF	204	CLA	CHB-C4A-NA	2.09	127.41	124.40
13	cB	808	CLA	CED-O2D-CGD	2.09	120.65	115.92
13	cB	834	CLA	CMA-C3A-C2A	-2.09	105.92	113.98
15	dL	204	BCR	C28-C27-C26	-2.09	110.34	114.06
13	dB	809	CLA	CMA-C3A-C4A	-2.09	106.17	111.77
13	dA	819	CLA	CBA-CAA-C2A	2.09	120.00	113.79
13	bA	834	CLA	CAA-CBA-CGA	-2.09	107.29	113.21
13	bB	806	CLA	CMD-C2D-C3D	-2.09	122.91	127.69
13	aB	833	CLA	CGD-CBD-CAD	-2.09	104.09	110.85
13	bA	802	CLA	CMC-C2C-C1C	2.09	128.29	125.03
13	cA	803	CLA	CHC-C1C-NC	2.09	127.45	124.31
15	bI	101	BCR	C38-C26-C27	-2.09	109.15	113.60
13	dB	823	CLA	CMC-C2C-C1C	2.08	128.29	125.03
13	dF	201	CLA	O2A-CGA-O1A	-2.08	118.41	123.63
13	dB	825	CLA	C4-C3-C5	2.08	118.85	115.23
13	bB	825	CLA	C1-C2-C3	-2.08	122.78	126.20
16	dA	852	LHG	C27-C26-C25	-2.08	103.83	114.37
13	dA	832	CLA	CHB-C1B-C2B	-2.08	121.38	127.43
13	aA	803	CLA	CMC-C2C-C1C	2.08	128.29	125.03
13	dA	819	CLA	CHD-C4C-NC	2.08	127.46	124.23
13	aA	803	CLA	CHC-C1C-NC	2.08	127.45	124.31
13	dA	831	CLA	CHB-C4A-NA	2.08	127.41	124.40
13	cB	805	CLA	CMC-C2C-C1C	2.08	128.29	125.03
16	bA	852	LHG	C27-C26-C25	-2.08	103.84	114.37
15	dJ	102	BCR	C24-C23-C22	-2.08	123.15	126.23
15	dF	202	BCR	C30-C25-C26	-2.08	119.79	122.64
13	cA	802	CLA	CAA-CBA-CGA	-2.08	107.30	113.21
13	bL	202	CLA	C1-C2-C3	-2.08	122.79	126.20
13	dB	829	CLA	CHB-C1B-C2B	-2.08	121.38	127.43
13	dA	805	CLA	O1D-CGD-CBD	-2.08	120.41	124.52
15	bF	202	BCR	C30-C25-C26	-2.08	119.79	122.64
15	cA	848	BCR	C35-C13-C14	-2.08	119.44	122.82
13	cA	819	CLA	C4B-C3B-C2B	-2.08	104.71	107.30
13	bB	829	CLA	CHB-C1B-C2B	-2.08	121.39	127.43
13	bB	816	CLA	CHB-C4A-NA	2.08	127.40	124.40
13	dA	823	CLA	CHA-C1A-NA	-2.08	121.68	126.39
15	aB	838	BCR	C33-C5-C6	-2.08	122.21	124.48
13	bA	810	CLA	C3B-C4B-NB	2.08	112.39	110.53
13	aB	818	CLA	CHB-C1B-C2B	-2.08	121.39	127.43
13	dA	837	CLA	CGD-CBD-CAD	-2.08	104.11	110.85
13	dA	834	CLA	CAA-CBA-CGA	-2.08	107.30	113.21
15	cK	202	BCR	C15-C14-C13	-2.08	124.36	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	838	CLA	CHA-C1A-NA	-2.08	121.68	126.39
13	bB	803	CLA	C3B-C4B-NB	2.08	112.39	110.53
15	bM	101	BCR	C7-C8-C9	-2.08	123.16	126.23
13	cA	840	CLA	CMC-C2C-C1C	2.08	128.28	125.03
15	bA	850	BCR	C20-C21-C22	-2.08	124.36	127.28
13	aA	802	CLA	CAA-CBA-CGA	-2.08	107.31	113.21
13	bB	825	CLA	C4-C3-C5	2.08	118.83	115.23
13	bA	841	CLA	CHA-C1A-NA	-2.08	121.69	126.39
13	dB	807	CLA	CHA-C1A-NA	-2.08	121.69	126.39
13	cA	829	CLA	CHB-C4A-NA	2.08	127.40	124.40
13	dB	820	CLA	O2A-CGA-CBA	2.08	118.17	111.83
13	bB	809	CLA	CMA-C3A-C4A	-2.08	106.19	111.77
13	aB	819	CLA	C4-C3-C5	2.08	118.83	115.23
13	dA	817	CLA	CHB-C4A-NA	2.08	127.40	124.40
15	cF	203	BCR	C35-C13-C14	-2.08	119.45	122.82
13	aB	812	CLA	C1-O2A-CGA	2.08	121.67	116.65
15	aJ	103	BCR	C24-C23-C22	-2.08	123.17	126.23
13	bA	843	CLA	O1D-CGD-CBD	-2.08	120.42	124.52
13	bB	821	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
13	cA	839	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
13	aA	839	CLA	CHB-C1B-C2B	-2.07	121.41	127.43
13	aB	830	CLA	CHA-C1A-NA	-2.07	121.69	126.39
13	dA	843	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
13	aB	826	CLA	CHA-C1A-NA	-2.07	121.70	126.39
13	cB	810	CLA	CHA-C1A-NA	-2.07	121.70	126.39
13	cA	811	CLA	CHA-C1A-NA	-2.07	121.70	126.39
13	aA	839	CLA	C4-C3-C5	2.07	118.83	115.23
13	aB	834	CLA	CMA-C3A-C2A	-2.07	105.97	113.98
13	dA	822	CLA	C2A-C1A-CHA	-2.07	120.27	123.87
15	bA	849	BCR	C33-C5-C6	-2.07	122.22	124.48
13	aA	840	CLA	CMC-C2C-C1C	2.07	128.27	125.03
13	cB	826	CLA	CMB-C2B-C1B	2.07	128.57	125.42
13	cB	830	CLA	CHA-C1A-NA	-2.07	121.70	126.39
13	bA	831	CLA	CHB-C4A-NA	2.07	127.39	124.40
13	dA	803	CLA	CAA-C2A-C1A	-2.07	105.19	111.97
15	dL	201	BCR	C35-C13-C14	-2.07	119.46	122.82
13	cB	803	CLA	C4A-NA-C1A	-2.07	105.73	106.68
13	aA	811	CLA	CHA-C1A-NA	-2.07	121.70	126.39
13	bA	837	CLA	CGD-CBD-CAD	-2.07	104.14	110.85
13	cB	819	CLA	C4-C3-C5	2.07	118.82	115.23
13	bB	820	CLA	O2A-CGA-CBA	2.07	118.15	111.83
13	dA	808	CLA	O2D-CGD-O1D	-2.07	119.82	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	bL	201	BCR	C35-C13-C14	-2.07	119.46	122.82
15	cL	205	BCR	C30-C25-C26	-2.07	119.81	122.64
13	cB	831	CLA	CHB-C4A-NA	2.07	127.39	124.40
13	bB	806	CLA	CMB-C2B-C1B	2.07	128.57	125.42
13	bB	807	CLA	CHA-C1A-NA	-2.07	121.70	126.39
15	aK	202	BCR	C15-C14-C13	-2.07	124.38	127.28
13	dB	832	CLA	CHB-C4A-NA	2.07	127.39	124.40
13	dB	831	CLA	CMC-C2C-C1C	2.07	128.27	125.03
13	bB	818	CLA	CHB-C4A-NA	2.07	127.39	124.40
13	bA	832	CLA	CHB-C1B-C2B	-2.07	121.42	127.43
13	bB	823	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
13	cB	807	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
13	dB	806	CLA	CMB-C2B-C1B	2.07	128.57	125.42
13	cA	839	CLA	CHB-C1B-C2B	-2.07	121.42	127.43
13	bF	201	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
13	cA	822	CLA	C4-C3-C5	2.07	118.82	115.23
13	cA	823	CLA	CMB-C2B-C3B	2.07	131.41	126.55
13	cA	828	CLA	CAC-C3C-C4C	2.07	127.48	124.79
13	aA	809	CLA	CED-O2D-CGD	2.07	120.60	115.92
13	cA	809	CLA	CED-O2D-CGD	2.07	120.60	115.92
13	bA	808	CLA	O2D-CGD-O1D	-2.07	119.83	123.85
13	bA	816	CLA	CHB-C1B-C2B	-2.07	121.43	127.43
15	dA	849	BCR	C33-C5-C6	-2.07	122.23	124.48
13	bA	839	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
15	aA	848	BCR	C35-C13-C14	-2.07	119.47	122.82
13	cB	826	CLA	CHA-C1A-NA	-2.07	121.71	126.39
13	bB	805	CLA	O2D-CGD-O1D	-2.07	119.83	123.85
13	bB	809	CLA	O1D-CGD-CBD	-2.07	120.44	124.52
12	dA	801	CL0	CMC-C2C-C1C	2.07	128.45	124.73
13	dA	839	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
15	dM	101	BCR	C7-C8-C9	-2.07	123.18	126.23
15	aL	205	BCR	C30-C25-C26	-2.06	119.81	122.64
13	aB	805	CLA	CMC-C2C-C1C	2.06	128.26	125.03
15	aA	848	BCR	C8-C7-C6	-2.06	121.48	127.00
13	aA	839	CLA	O1D-CGD-CBD	-2.06	120.45	124.52
13	cA	835	CLA	CAC-C3C-C4C	2.06	127.47	124.79
13	dA	804	CLA	CHA-C1A-NA	-2.06	121.72	126.39
13	bA	803	CLA	CAA-C2A-C1A	-2.06	105.22	111.97
13	bA	822	CLA	C2A-C1A-CHA	-2.06	120.29	123.87
13	aA	831	CLA	CMA-C3A-C4A	-2.06	106.23	111.77
13	dA	816	CLA	CHB-C1B-C2B	-2.06	121.44	127.43
13	aB	809	CLA	CMC-C2C-C1C	2.06	128.25	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bB	832	CLA	CHB-C4A-NA	2.06	127.37	124.40
13	dA	807	CLA	CHC-C1C-NC	2.06	127.42	124.31
13	aB	809	CLA	CAC-C3C-C4C	2.06	127.47	124.79
13	cA	839	CLA	C4-C3-C5	2.06	118.81	115.23
13	bA	804	CLA	CHA-C1A-NA	-2.06	121.72	126.39
13	aK	203	CLA	CMB-C2B-C1B	2.06	128.56	125.42
13	dB	830	CLA	CHA-C1A-NA	-2.06	121.73	126.39
13	aA	817	CLA	CMC-C2C-C1C	2.06	128.25	125.03
13	bB	831	CLA	CMC-C2C-C1C	2.06	128.25	125.03
13	cA	821	CLA	CHB-C1B-NB	-2.06	120.96	124.05
13	dB	823	CLA	CAA-C2A-C3A	-2.06	107.44	113.00
13	dB	821	CLA	O1D-CGD-CBD	-2.06	120.46	124.52
13	bA	814	CLA	O2A-CGA-CBA	2.06	120.50	114.00
13	aA	839	CLA	C1-C2-C3	-2.06	122.82	126.20
15	dA	850	BCR	C15-C14-C13	-2.06	124.39	127.28
13	bA	827	CLA	CGD-CBD-CAD	-2.06	104.18	110.85
13	bB	823	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
13	cA	831	CLA	CMA-C3A-C4A	-2.06	106.24	111.77
13	dA	803	CLA	CHC-C1C-NC	2.06	127.41	124.31
13	bB	802	CLA	O2A-C1-C2	2.06	116.03	108.11
15	bA	850	BCR	C15-C14-C13	-2.06	124.39	127.28
13	dL	202	CLA	C1-C2-C3	-2.06	122.83	126.20
15	aF	203	BCR	C33-C5-C6	-2.06	122.24	124.48
15	cJ	103	BCR	C24-C23-C22	-2.06	123.19	126.23
13	bB	808	CLA	O2A-CGA-CBA	2.06	118.10	111.83
13	dF	204	CLA	CHB-C1B-C2B	-2.06	121.46	127.43
13	dB	815	CLA	O2A-CGA-CBA	2.06	120.50	114.00
13	dB	809	CLA	O1D-CGD-CBD	-2.06	120.46	124.52
13	cK	203	CLA	CMB-C2B-C1B	2.06	128.55	125.42
13	bA	815	CLA	CHC-C1C-NC	2.06	127.41	124.31
13	cA	820	CLA	CHC-C1C-NC	2.06	127.41	124.31
15	bA	851	BCR	C15-C16-C17	-2.06	119.31	123.52
15	cA	848	BCR	C8-C7-C6	-2.05	121.51	127.00
13	cA	842	CLA	CGD-CBD-CAD	-2.05	104.19	110.85
13	dA	842	CLA	C4-C3-C5	2.05	118.79	115.23
13	dB	810	CLA	CHC-C1C-NC	2.05	127.41	124.31
13	aB	804	CLA	CMA-C3A-C4A	-2.05	106.25	111.77
13	bA	844	CLA	CHB-C1B-C2B	-2.05	121.46	127.43
13	aB	807	CLA	CAA-C2A-C3A	-2.05	107.45	113.00
13	bL	202	CLA	CAC-C3C-C4C	2.05	127.46	124.79
13	cA	824	CLA	CHA-C1A-NA	-2.05	121.74	126.39
13	dA	841	CLA	CHA-C1A-NA	-2.05	121.74	126.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	840	CLA	CMD-C2D-C3D	-2.05	122.98	127.69
13	dA	814	CLA	O2A-CGA-CBA	2.05	120.49	114.00
13	cA	839	CLA	C1-C2-C3	-2.05	122.83	126.20
13	bA	834	CLA	CHB-C1B-C2B	-2.05	121.47	127.43
13	bF	204	CLA	CHB-C1B-C2B	-2.05	121.47	127.43
13	aB	812	CLA	O2A-CGA-CBA	2.05	118.09	111.83
13	dB	802	CLA	O2A-C1-C2	2.05	116.00	108.11
13	bA	838	CLA	CHB-C1B-NB	-2.05	120.97	124.05
15	cL	206	BCR	C3-C4-C5	-2.05	110.40	114.06
13	bA	803	CLA	CMC-C2C-C1C	2.05	128.24	125.03
13	cB	820	CLA	O1D-CGD-CBD	-2.05	120.47	124.52
13	bA	829	CLA	CHA-C1A-NA	-2.05	121.75	126.39
13	aA	804	CLA	CHB-C1B-C2B	-2.05	121.47	127.43
13	dA	834	CLA	CHB-C1B-C2B	-2.05	121.47	127.43
13	aA	821	CLA	CHB-C1B-NB	-2.05	120.97	124.05
13	cB	807	CLA	CHC-C1C-NC	2.05	127.40	124.31
13	bA	822	CLA	O2D-CGD-O1D	-2.05	119.86	123.85
13	cB	807	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
13	aB	829	CLA	CHB-C1B-C2B	-2.05	121.47	127.43
13	cK	201	CLA	CMD-C2D-C3D	-2.05	122.99	127.69
15	aK	205	BCR	C27-C26-C25	2.05	125.47	122.70
13	cA	825	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
13	aA	824	CLA	CHA-C1A-NA	-2.05	121.75	126.39
13	dA	810	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
13	bL	202	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
13	aA	842	CLA	CGD-CBD-CAD	-2.05	104.21	110.85
15	cK	202	BCR	C11-C10-C9	-2.05	124.41	127.28
13	aB	809	CLA	CED-O2D-CGD	2.05	120.56	115.92
13	cA	804	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
13	bB	814	CLA	CHC-C1C-NC	2.05	127.40	124.31
13	bA	810	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
13	bA	817	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
13	dA	831	CLA	CMC-C2C-C1C	2.05	128.23	125.03
13	cB	809	CLA	CAC-C3C-C4C	2.05	127.45	124.79
13	aA	807	CLA	CHA-C1A-NA	-2.05	121.75	126.39
13	bA	842	CLA	C4-C3-C5	2.05	118.78	115.23
13	cB	804	CLA	CMA-C3A-C4A	-2.05	106.27	111.77
13	cB	812	CLA	C1-O2A-CGA	2.05	121.61	116.65
13	cL	203	CLA	C1-O2A-CGA	2.05	121.61	116.65
13	aA	823	CLA	CMB-C2B-C3B	2.05	131.37	126.55
13	dA	829	CLA	O2D-CGD-O1D	-2.05	119.86	123.85
13	aL	203	CLA	C1-O2A-CGA	2.05	121.61	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	810	CLA	C3B-C4B-NB	2.05	112.36	110.53
13	bB	815	CLA	O2A-CGA-CBA	2.05	120.47	114.00
13	bB	810	CLA	C11-C10-C8	-2.05	109.16	115.97
13	dA	818	CLA	CGD-CBD-CAD	-2.05	104.22	110.85
13	bB	815	CLA	CHB-C1B-C2B	-2.05	121.49	127.43
15	dA	849	BCR	C35-C13-C14	-2.05	119.50	122.82
13	cB	824	CLA	CHA-C1A-NA	-2.05	121.76	126.39
15	aL	206	BCR	C3-C4-C5	-2.05	110.41	114.06
13	cB	829	CLA	CHB-C1B-C2B	-2.05	121.49	127.43
13	dB	823	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
13	bA	827	CLA	C2A-C3A-C4A	-2.05	98.57	101.87
13	dB	818	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
15	bM	101	BCR	C30-C25-C26	-2.05	119.84	122.64
13	aA	820	CLA	CHC-C1C-NC	2.04	127.39	124.31
13	cB	809	CLA	CED-O2D-CGD	2.04	120.55	115.92
13	dF	201	CLA	O1D-CGD-CBD	-2.04	120.48	124.52
13	aB	830	CLA	O2A-CGA-CBA	2.04	119.86	112.14
13	bA	817	CLA	CHB-C4A-NA	2.04	127.35	124.40
13	cF	204	CLA	CHA-C1A-NA	-2.04	121.76	126.39
13	aB	820	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
13	dA	817	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
13	bA	807	CLA	CHC-C1C-NC	2.04	127.39	124.31
13	bA	842	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
13	dB	810	CLA	C11-C10-C8	-2.04	109.17	115.97
13	aB	807	CLA	CHC-C1C-NC	2.04	127.39	124.31
13	bB	810	CLA	CHC-C1C-NC	2.04	127.39	124.31
13	dA	844	CLA	CHB-C1B-C2B	-2.04	121.50	127.43
15	bA	849	BCR	C35-C13-C14	-2.04	119.51	122.82
15	aK	202	BCR	C11-C10-C9	-2.04	124.41	127.28
15	aJ	104	BCR	C7-C8-C9	-2.04	123.21	126.23
13	aB	827	CLA	CHC-C1C-NC	2.04	127.39	124.31
13	dA	822	CLA	O2D-CGD-O1D	-2.04	119.87	123.85
13	dB	805	CLA	O2D-CGD-O1D	-2.04	119.87	123.85
13	bA	822	CLA	CAC-C3C-C4C	2.04	127.45	124.79
13	dA	827	CLA	CGD-CBD-CAD	-2.04	104.24	110.85
13	bB	829	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
13	cB	824	CLA	CAA-C2A-C3A	-2.04	107.48	113.00
13	cA	825	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
13	cA	842	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
13	aA	832	CLA	CHA-C1A-NA	-2.04	121.77	126.39
15	cF	202	BCR	C15-C16-C17	-2.04	119.34	123.52
13	dL	202	CLA	CAC-C3C-C4C	2.04	127.44	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	827	CLA	C2A-C3A-C4A	-2.04	98.57	101.87
13	dA	827	CLA	CHA-C1A-NA	-2.04	121.77	126.39
15	dA	851	BCR	C15-C16-C17	-2.04	119.34	123.52
13	dA	830	CLA	CHA-C1A-NA	-2.04	121.77	126.39
13	bF	204	CLA	CMC-C2C-C1C	2.04	128.22	125.03
13	cA	840	CLA	CMD-C2D-C3D	-2.04	123.01	127.69
15	bF	202	BCR	C15-C14-C13	-2.04	124.42	127.28
13	dA	838	CLA	CHB-C1B-NB	-2.04	120.99	124.05
13	cA	806	CLA	O2D-CGD-O1D	-2.04	119.88	123.85
13	bA	818	CLA	CGD-CBD-CAD	-2.04	104.25	110.85
13	bA	803	CLA	CHC-C1C-NC	2.04	127.38	124.31
15	aF	202	BCR	C15-C16-C17	-2.04	119.35	123.52
13	dB	808	CLA	O2A-CGA-CBA	2.04	118.05	111.83
13	dA	815	CLA	C4B-C3B-C2B	-2.04	104.77	107.30
13	cB	812	CLA	O2A-CGA-CBA	2.04	118.05	111.83
13	dB	815	CLA	CHB-C1B-C2B	-2.04	121.51	127.43
13	cB	830	CLA	O2A-CGA-CBA	2.04	119.84	112.14
13	aA	835	CLA	CAC-C3C-C4C	2.04	127.44	124.79
13	cA	807	CLA	CHA-C1A-NA	-2.04	121.78	126.39
13	aK	201	CLA	C2A-C1A-CHA	-2.04	120.33	123.87
13	bA	831	CLA	CMC-C2C-C1C	2.04	128.22	125.03
13	cB	809	CLA	CMC-C2C-C1C	2.04	128.22	125.03
13	dF	204	CLA	CMC-C2C-C1C	2.04	128.22	125.03
13	aB	824	CLA	CAA-C2A-C3A	-2.04	107.50	113.00
13	aB	824	CLA	CHA-C1A-NA	-2.04	121.78	126.39
13	bB	830	CLA	CHA-C1A-NA	-2.04	121.78	126.39
13	cB	827	CLA	CHC-C1C-NC	2.04	127.38	124.31
13	aL	202	CLA	O1D-CGD-CBD	-2.04	120.50	124.52
13	cB	830	CLA	CHB-C1B-C2B	-2.04	121.52	127.43
13	bA	829	CLA	O2D-CGD-O1D	-2.04	119.89	123.85
15	cF	203	BCR	C33-C5-C6	-2.04	122.26	124.48
13	dA	803	CLA	CMC-C2C-C1C	2.03	128.21	125.03
15	cB	838	BCR	C21-C20-C19	-2.03	117.31	123.20
15	dL	204	BCR	C27-C26-C25	2.03	125.45	122.70
13	cA	807	CLA	CMA-C3A-C4A	-2.03	106.31	111.77
13	aF	204	CLA	CHA-C1A-NA	-2.03	121.78	126.39
13	cA	832	CLA	CHA-C1A-NA	-2.03	121.78	126.39
13	aA	806	CLA	O2D-CGD-O1D	-2.03	119.89	123.85
13	dA	842	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
13	bA	828	CLA	C3B-C4B-NB	2.03	112.34	110.53
13	bL	203	CLA	C1-C2-C3	-2.03	122.87	126.20
13	cA	808	CLA	O1D-CGD-CBD	-2.03	120.51	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	cA	817	CLA	CMC-C2C-C1C	2.03	128.21	125.03
13	aB	807	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
13	dA	827	CLA	O2D-CGD-O1D	-2.03	119.89	123.85
13	cB	808	CLA	CHB-C4A-NA	2.03	127.33	124.40
13	aA	825	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
13	aA	825	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
13	dB	829	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
13	aB	812	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
13	bB	818	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
13	cL	202	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
13	cA	803	CLA	O2A-CGA-CBA	2.03	120.42	114.00
13	aB	817	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
13	cB	817	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
13	cB	804	CLA	CMA-C3A-C2A	-2.03	106.13	113.98
13	bF	201	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
13	dL	203	CLA	C1-C2-C3	-2.03	122.87	126.20
13	bA	844	CLA	CBA-CAA-C2A	2.03	119.83	113.79
15	bB	836	BCR	C1-C6-C5	-2.03	119.86	122.64
13	cB	812	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
13	dB	809	CLA	C11-C12-C13	-2.03	109.22	115.97
13	aA	807	CLA	CMA-C3A-C4A	-2.03	106.32	111.77
13	aA	814	CLA	O2A-CGA-CBA	2.03	120.41	114.00
13	dA	815	CLA	CHC-C1C-NC	2.03	127.37	124.31
15	aK	205	BCR	C1-C6-C5	-2.03	119.86	122.64
13	aK	201	CLA	CMD-C2D-C3D	-2.03	123.04	127.69
13	bA	827	CLA	CHA-C1A-NA	-2.03	121.80	126.39
13	dA	822	CLA	CAC-C3C-C4C	2.03	127.43	124.79
13	aA	808	CLA	O1D-CGD-CBD	-2.03	120.52	124.52
13	aA	842	CLA	O1D-CGD-CBD	-2.03	120.52	124.52
13	aA	819	CLA	CAA-C2A-C3A	-2.03	107.52	113.00
13	aA	802	CLA	C11-C12-C13	-2.03	109.22	115.97
13	cA	802	CLA	C11-C12-C13	-2.03	109.22	115.97
13	aB	804	CLA	CMA-C3A-C2A	-2.03	106.14	113.98
13	aB	808	CLA	CHB-C4A-NA	2.03	127.33	124.40
13	aA	824	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
13	aA	803	CLA	O2A-CGA-CBA	2.03	120.40	114.00
13	aB	822	CLA	O2A-CGA-CBA	2.03	118.02	111.83
13	cB	822	CLA	O2A-CGA-CBA	2.03	118.02	111.83
15	dA	849	BCR	C21-C20-C19	-2.03	117.33	123.20
13	aA	810	CLA	CBC-CAC-C3C	-2.03	106.93	112.42
13	bA	830	CLA	CBC-CAC-C3C	-2.03	106.93	112.42
15	dM	101	BCR	C30-C25-C26	-2.03	119.87	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	aA	818	CLA	CHB-C1B-C2B	-2.03	121.55	127.43
13	bA	842	CLA	CBA-CAA-C2A	2.03	119.82	113.79
13	cA	824	CLA	O2A-CGA-O1A	-2.02	118.56	123.63
13	aA	816	CLA	CAC-C3C-C4C	2.02	127.42	124.79
15	bA	847	BCR	C28-C27-C26	-2.02	110.44	114.06
15	aB	838	BCR	C21-C20-C19	-2.02	117.33	123.20
13	aA	820	CLA	CHA-C1A-NA	-2.02	121.81	126.39
15	bA	849	BCR	C21-C20-C19	-2.02	117.33	123.20
13	bA	807	CLA	C11-C10-C8	-2.02	109.24	115.97
13	bA	813	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
13	cA	814	CLA	O2A-CGA-CBA	2.02	120.39	114.00
13	bB	809	CLA	C11-C12-C13	-2.02	109.24	115.97
13	cA	807	CLA	C4-C3-C5	2.02	118.74	115.23
13	dA	815	CLA	O2D-CGD-O1D	-2.02	119.91	123.85
13	dA	841	CLA	CMB-C2B-C3B	2.02	131.31	126.55
13	dB	819	CLA	CMC-C2C-C1C	2.02	128.19	125.03
13	bA	835	CLA	CMB-C2B-C1B	2.02	128.50	125.42
13	dA	812	CLA	CED-O2D-CGD	2.02	120.50	115.92
13	dA	828	CLA	C3B-C4B-NB	2.02	112.33	110.53
13	dB	814	CLA	CHC-C1C-NC	2.02	127.36	124.31
13	bB	814	CLA	O2D-CGD-O1D	-2.02	119.91	123.85
13	cA	836	CLA	C4-C3-C5	2.02	118.74	115.23
15	dF	202	BCR	C15-C14-C13	-2.02	124.44	127.28
13	cB	831	CLA	CBA-CAA-C2A	2.02	119.81	113.79
13	bA	827	CLA	O2D-CGD-O1D	-2.02	119.91	123.85
13	dL	202	CLA	O1D-CGD-CBD	-2.02	120.53	124.52
14	dB	833	PQN	C21-C20-C18	-2.02	109.25	115.97
13	dA	829	CLA	CHA-C1A-NA	-2.02	121.81	126.39
13	bB	824	CLA	CMD-C2D-C3D	-2.02	123.06	127.69
13	dB	824	CLA	CMD-C2D-C3D	-2.02	123.06	127.69
15	cJ	104	BCR	C7-C8-C9	-2.02	123.25	126.23
13	aA	825	CLA	CHA-C1A-NA	-2.02	121.82	126.39
13	bF	201	CLA	CHB-C1B-C2B	-2.02	121.56	127.43
13	aB	830	CLA	CHB-C1B-C2B	-2.02	121.56	127.43
13	dA	842	CLA	CBA-CAA-C2A	2.02	119.80	113.79
13	cA	818	CLA	CHB-C1B-C2B	-2.02	121.56	127.43
13	cB	813	CLA	O1D-CGD-CBD	-2.02	120.54	124.52
13	aA	809	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
13	aB	826	CLA	CMB-C2B-C1B	2.02	128.49	125.42
15	aA	849	BCR	C35-C13-C14	-2.02	119.55	122.82
13	aB	813	CLA	O1D-CGD-CBD	-2.02	120.54	124.52
13	dA	807	CLA	C11-C10-C8	-2.02	109.26	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	bA	830	CLA	CHA-C1A-NA	-2.02	121.82	126.39
15	bF	203	BCR	C33-C5-C6	-2.02	122.28	124.48
13	dB	814	CLA	O2D-CGD-O1D	-2.02	119.92	123.85
15	dA	847	BCR	C28-C27-C26	-2.02	110.46	114.06
13	cA	825	CLA	CHA-C1A-NA	-2.02	121.82	126.39
13	cL	202	CLA	CHA-C1A-NA	-2.02	121.82	126.39
13	cK	201	CLA	C2A-C1A-CHA	-2.02	120.37	123.87
13	bA	841	CLA	CMB-C2B-C3B	2.02	131.29	126.55
13	bB	817	CLA	CMB-C2B-C3B	2.02	131.29	126.55
13	dA	844	CLA	CBA-CAA-C2A	2.02	119.79	113.79
13	cA	837	CLA	CMC-C2C-C1C	2.02	128.18	125.03
13	aB	832	CLA	O2D-CGD-O1D	-2.02	119.92	123.85
13	dF	201	CLA	CHB-C1B-C2B	-2.02	121.58	127.43
13	bA	829	CLA	O1D-CGD-CBD	-2.01	120.54	124.52
13	dF	204	CLA	O1D-CGD-CBD	-2.01	120.54	124.52
13	aB	813	CLA	CMC-C2C-C1C	2.01	128.18	125.03
13	cB	813	CLA	CMC-C2C-C1C	2.01	128.18	125.03
15	bI	102	BCR	C31-C1-C6	2.01	113.40	110.24
13	aB	833	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
13	bB	831	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
15	cA	849	BCR	C35-C13-C14	-2.01	119.55	122.82
13	bA	815	CLA	O2D-CGD-O1D	-2.01	119.93	123.85
13	bB	812	CLA	CHB-C1B-C2B	-2.01	121.58	127.43
13	dA	828	CLA	CHB-C1B-C2B	-2.01	121.58	127.43
13	aB	831	CLA	CBA-CAA-C2A	2.01	119.78	113.79
13	cA	819	CLA	CAA-C2A-C3A	-2.01	107.56	113.00
13	cB	828	CLA	O2A-CGA-CBA	2.01	120.36	114.00
13	dA	829	CLA	O1D-CGD-CBD	-2.01	120.55	124.52
13	dB	807	CLA	CHB-C1B-C2B	-2.01	121.58	127.43
13	dA	813	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
13	bA	828	CLA	CHB-C1B-C2B	-2.01	121.58	127.43
13	bA	832	CLA	CMA-C3A-C4A	-2.01	106.36	111.77
13	dA	830	CLA	CBC-CAC-C3C	-2.01	106.97	112.42
13	dB	831	CLA	C2A-C1A-CHA	-2.01	120.38	123.87
13	aB	812	CLA	C11-C12-C13	-2.01	109.28	115.97
13	aA	837	CLA	CBC-CAC-C3C	-2.01	106.97	112.42
13	aL	202	CLA	CHA-C1A-NA	-2.01	121.84	126.39
15	cF	202	BCR	C20-C21-C22	-2.01	124.46	127.28
15	cJ	102	BCR	C11-C10-C9	-2.01	124.46	127.28
13	bA	818	CLA	O2D-CGD-O1D	-2.01	119.93	123.85
13	aA	836	CLA	C4-C3-C5	2.01	118.72	115.23
13	aA	842	CLA	C1-O2A-CGA	2.01	121.52	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	dA	816	CLA	CED-O2D-CGD	2.01	120.48	115.92
13	bA	815	CLA	C4B-C3B-C2B	-2.01	104.80	107.30
13	cA	810	CLA	CBC-CAC-C3C	-2.01	106.97	112.42
13	aA	841	CLA	CMD-C2D-C3D	-2.01	123.08	127.69
15	bA	846	BCR	C16-C15-C14	-2.01	119.41	123.52
13	dA	831	CLA	C16-C15-C13	-2.01	109.28	115.97
13	cA	837	CLA	CBC-CAC-C3C	-2.01	106.97	112.42
13	cA	842	CLA	C1-O2A-CGA	2.01	121.52	116.65
13	bL	203	CLA	CMA-C3A-C4A	-2.01	106.37	111.77
13	bA	831	CLA	C16-C15-C13	-2.01	109.29	115.97
13	aA	837	CLA	CMC-C2C-C1C	2.01	128.17	125.03
13	dA	815	CLA	CHA-C1A-NA	-2.01	121.84	126.39
13	bB	814	CLA	C4-C3-C5	2.01	118.71	115.23
14	bB	833	PQN	C21-C20-C18	-2.01	109.29	115.97
13	cB	833	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
13	aB	805	CLA	CHA-C1A-NA	-2.01	121.84	126.39
13	bA	816	CLA	CED-O2D-CGD	2.01	120.47	115.92
15	dL	204	BCR	C1-C6-C5	-2.01	119.89	122.64
13	dB	818	CLA	C7-C6-C5	-2.01	107.91	113.26
15	bB	836	BCR	C10-C11-C12	-2.01	117.38	123.20
13	bF	204	CLA	O1D-CGD-CBD	-2.01	120.56	124.52
13	aB	825	CLA	CHA-C1A-NA	-2.01	121.85	126.39
13	dA	807	CLA	CAC-C3C-C4C	2.01	127.40	124.79
13	cB	812	CLA	C11-C12-C13	-2.01	109.29	115.97
13	bA	813	CLA	CMA-C3A-C2A	-2.01	106.22	113.98
13	dA	813	CLA	CMA-C3A-C2A	-2.01	106.22	113.98
13	dB	817	CLA	CMB-C2B-C3B	2.01	131.27	126.55
13	dB	831	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
13	bB	807	CLA	CHB-C1B-C2B	-2.01	121.60	127.43
13	cB	801	CLA	CAA-CBA-CGA	-2.01	107.51	113.21
13	bA	812	CLA	CED-O2D-CGD	2.01	120.47	115.92
13	aA	807	CLA	C4-C3-C5	2.01	118.71	115.23
13	cA	841	CLA	CMD-C2D-C3D	-2.01	123.09	127.69
13	dB	817	CLA	CHB-C1B-C2B	-2.01	121.61	127.43
13	aB	801	CLA	CAA-CBA-CGA	-2.01	107.51	113.21
13	aB	833	CLA	O2D-CGD-O1D	-2.01	119.94	123.85
15	dB	836	BCR	C1-C6-C5	-2.00	119.90	122.64
13	dA	832	CLA	CBB-CAB-C3B	-2.00	117.51	127.53
13	bB	818	CLA	C7-C6-C5	-2.00	107.92	113.26
15	bB	836	BCR	C33-C5-C6	-2.00	122.30	124.48
13	cB	823	CLA	O2D-CGD-O1D	-2.00	119.95	123.85
13	bA	807	CLA	CAC-C3C-C4C	2.00	127.40	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	dB	836	BCR	C10-C11-C12	-2.00	117.39	123.20
13	aB	828	CLA	O2A-CGA-CBA	2.00	120.33	114.00
13	dB	810	CLA	CBC-CAC-C3C	-2.00	106.99	112.42
12	cA	801	CL0	C4-C3-C5	2.00	118.70	115.23
13	dA	818	CLA	O2D-CGD-O1D	-2.00	119.95	123.85
13	bB	824	CLA	C1-O2A-CGA	2.00	121.50	116.65
13	bB	817	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
13	dB	812	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
13	cB	825	CLA	CHA-C1A-NA	-2.00	121.86	126.39
13	aB	827	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
13	dB	810	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
13	bA	815	CLA	CHA-C1A-NA	-2.00	121.86	126.39
13	aB	804	CLA	CHB-C4A-NA	2.00	127.29	124.40
15	aJ	102	BCR	C11-C10-C9	-2.00	124.47	127.28
13	bA	822	CLA	C1-C2-C3	-2.00	122.92	126.20
13	dB	824	CLA	C1-O2A-CGA	2.00	121.50	116.65
13	bB	827	CLA	CHB-C1B-C2B	-2.00	121.62	127.43
13	bA	832	CLA	CBB-CAB-C3B	-2.00	117.53	127.53
13	bB	810	CLA	CBC-CAC-C3C	-2.00	107.00	112.42
13	cA	808	CLA	CHB-C4A-NA	2.00	127.29	124.40
15	dA	850	BCR	C33-C5-C6	-2.00	122.30	124.48
13	dB	823	CLA	CHA-C1A-NA	-2.00	121.86	126.39

All (260) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
12	aA	801	CL0	NC
12	aA	801	CL0	NA
12	bA	801	CL0	NC
12	cA	801	CL0	NC
12	cA	801	CL0	NA
12	dA	801	CL0	NC
13	aA	802	CLA	ND
13	aA	803	CLA	ND
13	aA	804	CLA	ND
13	aA	805	CLA	ND
13	aA	806	CLA	ND
13	aA	807	CLA	ND
13	aA	811	CLA	ND
13	aA	812	CLA	ND
13	aA	813	CLA	ND
13	aA	814	CLA	ND

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Mol	Chain	Res	Type	Atom
13	aA	815	CLA	ND
13	aA	816	CLA	ND
13	aA	819	CLA	ND
13	aA	820	CLA	ND
13	aA	821	CLA	ND
13	aA	822	CLA	ND
13	aA	823	CLA	ND
13	aA	825	CLA	ND
13	aA	827	CLA	ND
13	aA	828	CLA	ND
13	aA	829	CLA	ND
13	aA	830	CLA	ND
13	aA	831	CLA	ND
13	aA	833	CLA	ND
13	aA	834	CLA	ND
13	aA	836	CLA	ND
13	aA	837	CLA	ND
13	aA	838	CLA	ND
13	aA	839	CLA	ND
13	aA	840	CLA	ND
13	aA	841	CLA	ND
13	aA	842	CLA	ND
13	aA	843	CLA	ND
13	aB	801	CLA	ND
13	aB	803	CLA	ND
13	aB	804	CLA	ND
13	aB	805	CLA	ND
13	aB	806	CLA	ND
13	aB	807	CLA	ND
13	aB	808	CLA	ND
13	aB	809	CLA	ND
13	aB	810	CLA	ND
13	aB	811	CLA	ND
13	aB	812	CLA	ND
13	aB	813	CLA	ND
13	aB	814	CLA	ND
13	aB	816	CLA	ND
13	aB	819	CLA	ND
13	aB	820	CLA	ND
13	aB	821	CLA	ND
13	aB	822	CLA	ND
13	aB	826	CLA	ND

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Mol	Chain	Res	Type	Atom
13	aB	827	CLA	ND
13	aB	828	CLA	ND
13	aB	829	CLA	ND
13	aB	830	CLA	ND
13	aB	831	CLA	ND
13	aB	832	CLA	ND
13	aB	834	CLA	ND
13	aF	201	CLA	ND
13	aF	204	CLA	ND
13	aJ	101	CLA	ND
13	aK	201	CLA	ND
13	aK	203	CLA	ND
13	aL	202	CLA	ND
13	bA	802	CLA	ND
13	bA	803	CLA	ND
13	bA	804	CLA	ND
13	bA	805	CLA	ND
13	bA	806	CLA	ND
13	bA	807	CLA	ND
13	bA	809	CLA	ND
13	bA	810	CLA	ND
13	bA	811	CLA	ND
13	bA	814	CLA	ND
13	bA	815	CLA	ND
13	bA	816	CLA	ND
13	bA	819	CLA	ND
13	bA	820	CLA	ND
13	bA	821	CLA	ND
13	bA	822	CLA	ND
13	bA	825	CLA	ND
13	bA	826	CLA	ND
13	bA	827	CLA	ND
13	bA	828	CLA	ND
13	bA	829	CLA	ND
13	bA	830	CLA	ND
13	bA	831	CLA	ND
13	bA	833	CLA	ND
13	bA	834	CLA	ND
13	bA	837	CLA	ND
13	bA	838	CLA	ND
13	bA	839	CLA	ND
13	bA	840	CLA	ND

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Mol	Chain	Res	Type	Atom
13	bA	841	CLA	ND
13	bA	843	CLA	ND
13	bA	844	CLA	ND
13	bB	802	CLA	ND
13	bB	803	CLA	ND
13	bB	804	CLA	ND
13	bB	805	CLA	ND
13	bB	806	CLA	ND
13	bB	807	CLA	ND
13	bB	808	CLA	ND
13	bB	809	CLA	ND
13	bB	810	CLA	ND
13	bB	811	CLA	ND
13	bB	812	CLA	ND
13	bB	813	CLA	ND
13	bB	814	CLA	ND
13	bB	815	CLA	ND
13	bB	817	CLA	ND
13	bB	818	CLA	ND
13	bB	819	CLA	ND
13	bB	820	CLA	ND
13	bB	821	CLA	ND
13	bB	825	CLA	ND
13	bB	826	CLA	ND
13	bB	828	CLA	ND
13	bB	829	CLA	ND
13	bB	830	CLA	ND
13	bB	831	CLA	ND
13	bB	832	CLA	ND
13	bF	204	CLA	ND
13	bJ	101	CLA	ND
13	bL	202	CLA	ND
13	bL	203	CLA	ND
13	cA	802	CLA	ND
13	cA	803	CLA	ND
13	cA	804	CLA	ND
13	cA	805	CLA	ND
13	cA	806	CLA	ND
13	cA	807	CLA	ND
13	cA	811	CLA	ND
13	cA	812	CLA	ND
13	cA	813	CLA	ND

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Mol	Chain	Res	Type	Atom
13	cA	814	CLA	ND
13	cA	815	CLA	ND
13	cA	816	CLA	ND
13	cA	819	CLA	ND
13	cA	820	CLA	ND
13	cA	821	CLA	ND
13	cA	822	CLA	ND
13	cA	823	CLA	ND
13	cA	825	CLA	ND
13	cA	827	CLA	ND
13	cA	828	CLA	ND
13	cA	829	CLA	ND
13	cA	830	CLA	ND
13	cA	831	CLA	ND
13	cA	833	CLA	ND
13	cA	834	CLA	ND
13	cA	836	CLA	ND
13	cA	837	CLA	ND
13	cA	838	CLA	ND
13	cA	839	CLA	ND
13	cA	840	CLA	ND
13	cA	841	CLA	ND
13	cA	842	CLA	ND
13	cA	843	CLA	ND
13	cB	801	CLA	ND
13	cB	803	CLA	ND
13	cB	804	CLA	ND
13	cB	805	CLA	ND
13	cB	806	CLA	ND
13	cB	807	CLA	ND
13	cB	808	CLA	ND
13	cB	809	CLA	ND
13	cB	810	CLA	ND
13	cB	811	CLA	ND
13	cB	812	CLA	ND
13	cB	813	CLA	ND
13	cB	814	CLA	ND
13	cB	816	CLA	ND
13	cB	819	CLA	ND
13	cB	820	CLA	ND
13	cB	821	CLA	ND
13	cB	822	CLA	ND

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Mol	Chain	Res	Type	Atom
13	cB	826	CLA	ND
13	cB	827	CLA	ND
13	cB	828	CLA	ND
13	cB	829	CLA	ND
13	cB	830	CLA	ND
13	cB	831	CLA	ND
13	cB	832	CLA	ND
13	cB	834	CLA	ND
13	cF	201	CLA	ND
13	cF	204	CLA	ND
13	cJ	101	CLA	ND
13	cK	201	CLA	ND
13	cK	203	CLA	ND
13	cL	202	CLA	ND
13	dA	802	CLA	ND
13	dA	803	CLA	ND
13	dA	804	CLA	ND
13	dA	805	CLA	ND
13	dA	806	CLA	ND
13	dA	807	CLA	ND
13	dA	809	CLA	ND
13	dA	810	CLA	ND
13	dA	811	CLA	ND
13	dA	814	CLA	ND
13	dA	815	CLA	ND
13	dA	816	CLA	ND
13	dA	819	CLA	ND
13	dA	820	CLA	ND
13	dA	821	CLA	ND
13	dA	822	CLA	ND
13	dA	825	CLA	ND
13	dA	826	CLA	ND
13	dA	827	CLA	ND
13	dA	828	CLA	ND
13	dA	829	CLA	ND
13	dA	830	CLA	ND
13	dA	831	CLA	ND
13	dA	833	CLA	ND
13	dA	834	CLA	ND
13	dA	837	CLA	ND
13	dA	838	CLA	ND
13	dA	839	CLA	ND

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Mol	Chain	Res	Type	Atom
13	dA	840	CLA	ND
13	dA	841	CLA	ND
13	dA	843	CLA	ND
13	dA	844	CLA	ND
13	dB	802	CLA	ND
13	dB	803	CLA	ND
13	dB	804	CLA	ND
13	dB	805	CLA	ND
13	dB	806	CLA	ND
13	dB	807	CLA	ND
13	dB	808	CLA	ND
13	dB	809	CLA	ND
13	dB	810	CLA	ND
13	dB	811	CLA	ND
13	dB	812	CLA	ND
13	dB	813	CLA	ND
13	dB	814	CLA	ND
13	dB	815	CLA	ND
13	dB	817	CLA	ND
13	dB	818	CLA	ND
13	dB	819	CLA	ND
13	dB	820	CLA	ND
13	dB	821	CLA	ND
13	dB	825	CLA	ND
13	dB	826	CLA	ND
13	dB	828	CLA	ND
13	dB	829	CLA	ND
13	dB	830	CLA	ND
13	dB	831	CLA	ND
13	dB	832	CLA	ND
13	dF	204	CLA	ND
13	dJ	101	CLA	ND
13	dL	202	CLA	ND
13	dL	203	CLA	ND

All (4798) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
13	aA	804	CLA	CHA-CBD-CGD-O1D
13	aA	804	CLA	CHA-CBD-CGD-O2D
13	aA	805	CLA	C4B-C3B-CAB-CBB
13	aA	806	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	aA	806	CLA	C3A-C2A-CAA-CBA
13	aA	807	CLA	C1A-C2A-CAA-CBA
13	aA	809	CLA	C3A-C2A-CAA-CBA
13	aA	812	CLA	C1A-C2A-CAA-CBA
13	aA	814	CLA	C2B-C3B-CAB-CBB
13	aA	814	CLA	C4B-C3B-CAB-CBB
13	aA	815	CLA	C4B-C3B-CAB-CBB
13	aA	818	CLA	C4-C3-C5-C6
13	aA	819	CLA	C1A-C2A-CAA-CBA
13	aA	819	CLA	C3A-C2A-CAA-CBA
13	aA	819	CLA	C2B-C3B-CAB-CBB
13	aA	819	CLA	C4B-C3B-CAB-CBB
13	aA	820	CLA	C1A-C2A-CAA-CBA
13	aA	820	CLA	C3A-C2A-CAA-CBA
13	aA	820	CLA	C2B-C3B-CAB-CBB
13	aA	820	CLA	C4B-C3B-CAB-CBB
13	aA	821	CLA	CHA-CBD-CGD-O1D
13	aA	821	CLA	CHA-CBD-CGD-O2D
13	aA	822	CLA	C2B-C3B-CAB-CBB
13	aA	822	CLA	C4B-C3B-CAB-CBB
13	aA	823	CLA	C1A-C2A-CAA-CBA
13	aA	823	CLA	C3A-C2A-CAA-CBA
13	aA	823	CLA	CAD-CBD-CGD-O1D
13	aA	823	CLA	CAD-CBD-CGD-O2D
13	aA	824	CLA	C2-C3-C5-C6
13	aA	824	CLA	C4-C3-C5-C6
13	aA	826	CLA	CAD-CBD-CGD-O2D
13	aA	828	CLA	C14-C13-C15-C16
13	aA	831	CLA	CHA-CBD-CGD-O1D
13	aA	831	CLA	CHA-CBD-CGD-O2D
13	aA	832	CLA	C2B-C3B-CAB-CBB
13	aA	832	CLA	C4B-C3B-CAB-CBB
13	aA	835	CLA	CHA-CBD-CGD-O1D
13	aA	835	CLA	CHA-CBD-CGD-O2D
13	aA	837	CLA	C1A-C2A-CAA-CBA
13	aA	837	CLA	C3A-C2A-CAA-CBA
13	aA	837	CLA	CHA-CBD-CGD-O1D
13	aA	837	CLA	CHA-CBD-CGD-O2D
13	aA	838	CLA	CHA-CBD-CGD-O1D
13	aA	838	CLA	CHA-CBD-CGD-O2D
13	aA	840	CLA	CHA-CBD-CGD-O1D
13	aA	840	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	aA	842	CLA	C1A-C2A-CAA-CBA
13	aA	843	CLA	C1A-C2A-CAA-CBA
13	aB	803	CLA	C2B-C3B-CAB-CBB
13	aB	803	CLA	C4B-C3B-CAB-CBB
13	aB	804	CLA	C2B-C3B-CAB-CBB
13	aB	804	CLA	C4B-C3B-CAB-CBB
13	aB	806	CLA	C2B-C3B-CAB-CBB
13	aB	806	CLA	C4B-C3B-CAB-CBB
13	aB	806	CLA	CBD-CGD-O2D-CED
13	aB	807	CLA	C1A-C2A-CAA-CBA
13	aB	807	CLA	C3A-C2A-CAA-CBA
13	aB	810	CLA	CHA-CBD-CGD-O1D
13	aB	810	CLA	CHA-CBD-CGD-O2D
13	aB	811	CLA	C2B-C3B-CAB-CBB
13	aB	811	CLA	C4B-C3B-CAB-CBB
13	aB	814	CLA	C1A-C2A-CAA-CBA
13	aB	814	CLA	C3A-C2A-CAA-CBA
13	aB	815	CLA	CHA-CBD-CGD-O2D
13	aB	816	CLA	C2B-C3B-CAB-CBB
13	aB	816	CLA	C4B-C3B-CAB-CBB
13	aB	816	CLA	CHA-CBD-CGD-O2D
13	aB	817	CLA	C1A-C2A-CAA-CBA
13	aB	819	CLA	C1A-C2A-CAA-CBA
13	aB	819	CLA	C3A-C2A-CAA-CBA
13	aB	819	CLA	C2B-C3B-CAB-CBB
13	aB	819	CLA	C4B-C3B-CAB-CBB
13	aB	820	CLA	CHA-CBD-CGD-O1D
13	aB	820	CLA	CHA-CBD-CGD-O2D
13	aB	823	CLA	C1A-C2A-CAA-CBA
13	aB	823	CLA	C3A-C2A-CAA-CBA
13	aB	824	CLA	CHA-CBD-CGD-O1D
13	aB	824	CLA	CHA-CBD-CGD-O2D
13	aB	824	CLA	C11-C12-C13-C14
13	aB	825	CLA	C1A-C2A-CAA-CBA
13	aB	825	CLA	C2B-C3B-CAB-CBB
13	aB	825	CLA	C4B-C3B-CAB-CBB
13	aB	825	CLA	CBD-CGD-O2D-CED
13	aB	827	CLA	C2B-C3B-CAB-CBB
13	aB	827	CLA	C4B-C3B-CAB-CBB
13	aB	830	CLA	C1A-C2A-CAA-CBA
13	aB	833	CLA	C14-C13-C15-C16
13	aB	834	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	aF	201	CLA	C2B-C3B-CAB-CBB
13	aF	201	CLA	C4B-C3B-CAB-CBB
13	aF	201	CLA	CBD-CGD-O2D-CED
13	aF	201	CLA	C2-C3-C5-C6
13	aK	203	CLA	CHA-CBD-CGD-O1D
13	aK	203	CLA	CHA-CBD-CGD-O2D
13	aK	204	CLA	C1A-C2A-CAA-CBA
13	aK	204	CLA	C3A-C2A-CAA-CBA
13	aL	204	CLA	C4B-C3B-CAB-CBB
13	aL	204	CLA	CBD-CGD-O2D-CED
13	bA	802	CLA	C1A-C2A-CAA-CBA
13	bA	802	CLA	C3A-C2A-CAA-CBA
13	bA	802	CLA	C11-C12-C13-C14
13	bA	805	CLA	C2B-C3B-CAB-CBB
13	bA	805	CLA	C4B-C3B-CAB-CBB
13	bA	805	CLA	CHA-CBD-CGD-O1D
13	bA	805	CLA	CHA-CBD-CGD-O2D
13	bA	806	CLA	C3A-C2A-CAA-CBA
13	bA	806	CLA	CAD-CBD-CGD-O2D
13	bA	809	CLA	C1A-C2A-CAA-CBA
13	bA	809	CLA	C3A-C2A-CAA-CBA
13	bA	810	CLA	CBD-CGD-O2D-CED
13	bA	814	CLA	C2B-C3B-CAB-CBB
13	bA	814	CLA	C4B-C3B-CAB-CBB
13	bA	814	CLA	CAD-CBD-CGD-O1D
13	bA	814	CLA	CAD-CBD-CGD-O2D
13	bA	815	CLA	C2B-C3B-CAB-CBB
13	bA	815	CLA	C4B-C3B-CAB-CBB
13	bA	819	CLA	C1A-C2A-CAA-CBA
13	bA	819	CLA	C3A-C2A-CAA-CBA
13	bA	820	CLA	C1A-C2A-CAA-CBA
13	bA	820	CLA	C3A-C2A-CAA-CBA
13	bA	824	CLA	O1A-CGA-O2A-C1
13	bA	824	CLA	C2-C3-C5-C6
13	bA	824	CLA	C4-C3-C5-C6
13	bA	825	CLA	C2B-C3B-CAB-CBB
13	bA	825	CLA	C4B-C3B-CAB-CBB
13	bA	827	CLA	C4B-C3B-CAB-CBB
13	bA	829	CLA	C1A-C2A-CAA-CBA
13	bA	829	CLA	C3A-C2A-CAA-CBA
13	bA	829	CLA	CBD-CGD-O2D-CED
13	bA	831	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
13	bA	831	CLA	CHA-CBD-CGD-O2D
13	bA	832	CLA	C2B-C3B-CAB-CBB
13	bA	832	CLA	C4B-C3B-CAB-CBB
13	bA	833	CLA	C1A-C2A-CAA-CBA
13	bA	834	CLA	C2B-C3B-CAB-CBB
13	bA	834	CLA	C4B-C3B-CAB-CBB
13	bA	835	CLA	C2B-C3B-CAB-CBB
13	bA	835	CLA	C4B-C3B-CAB-CBB
13	bA	835	CLA	CHA-CBD-CGD-O1D
13	bA	835	CLA	CHA-CBD-CGD-O2D
13	bA	837	CLA	CHA-CBD-CGD-O1D
13	bA	837	CLA	CHA-CBD-CGD-O2D
13	bA	838	CLA	C1A-C2A-CAA-CBA
13	bA	838	CLA	CHA-CBD-CGD-O1D
13	bA	838	CLA	CHA-CBD-CGD-O2D
13	bA	838	CLA	C2-C3-C5-C6
13	bA	838	CLA	C4-C3-C5-C6
13	bA	839	CLA	CAD-CBD-CGD-O2D
13	bA	840	CLA	CHA-CBD-CGD-O1D
13	bA	840	CLA	CHA-CBD-CGD-O2D
13	bA	841	CLA	C2B-C3B-CAB-CBB
13	bA	841	CLA	C4B-C3B-CAB-CBB
13	bA	841	CLA	CBD-CGD-O2D-CED
13	bA	842	CLA	C1A-C2A-CAA-CBA
13	bA	842	CLA	C3A-C2A-CAA-CBA
13	bA	844	CLA	C1A-C2A-CAA-CBA
13	bA	844	CLA	C3A-C2A-CAA-CBA
13	bA	844	CLA	C2-C1-O2A-CGA
13	bA	844	CLA	CHA-CBD-CGD-O1D
13	bA	844	CLA	CHA-CBD-CGD-O2D
13	bB	802	CLA	C2B-C3B-CAB-CBB
13	bB	802	CLA	C4B-C3B-CAB-CBB
13	bB	803	CLA	C4B-C3B-CAB-CBB
13	bB	806	CLA	C1A-C2A-CAA-CBA
13	bB	806	CLA	C3A-C2A-CAA-CBA
13	bB	806	CLA	C2-C1-O2A-CGA
13	bB	806	CLA	CAD-CBD-CGD-O2D
13	bB	809	CLA	CHA-CBD-CGD-O1D
13	bB	809	CLA	CHA-CBD-CGD-O2D
13	bB	810	CLA	C4B-C3B-CAB-CBB
13	bB	813	CLA	C1A-C2A-CAA-CBA
13	bB	813	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	bB	813	CLA	C2B-C3B-CAB-CBB
13	bB	813	CLA	C4B-C3B-CAB-CBB
13	bB	814	CLA	CBD-CGD-O2D-CED
13	bB	815	CLA	C2B-C3B-CAB-CBB
13	bB	815	CLA	C4B-C3B-CAB-CBB
13	bB	815	CLA	CHA-CBD-CGD-O1D
13	bB	815	CLA	CHA-CBD-CGD-O2D
13	bB	816	CLA	C1A-C2A-CAA-CBA
13	bB	816	CLA	C3A-C2A-CAA-CBA
13	bB	818	CLA	C1A-C2A-CAA-CBA
13	bB	818	CLA	C3A-C2A-CAA-CBA
13	bB	819	CLA	CHA-CBD-CGD-O1D
13	bB	819	CLA	CHA-CBD-CGD-O2D
13	bB	820	CLA	C1A-C2A-CAA-CBA
13	bB	820	CLA	C3A-C2A-CAA-CBA
13	bB	820	CLA	CAD-CBD-CGD-O2D
13	bB	822	CLA	C1A-C2A-CAA-CBA
13	bB	822	CLA	C3A-C2A-CAA-CBA
13	bB	823	CLA	CHA-CBD-CGD-O1D
13	bB	823	CLA	CHA-CBD-CGD-O2D
13	bB	827	CLA	CHA-CBD-CGD-O1D
13	bB	827	CLA	CHA-CBD-CGD-O2D
13	bB	828	CLA	CHA-CBD-CGD-O1D
13	bB	828	CLA	CHA-CBD-CGD-O2D
13	bB	829	CLA	C1A-C2A-CAA-CBA
13	bB	829	CLA	C3A-C2A-CAA-CBA
13	bB	829	CLA	C2B-C3B-CAB-CBB
13	bB	829	CLA	C4B-C3B-CAB-CBB
13	bB	832	CLA	CAD-CBD-CGD-O1D
13	bB	832	CLA	CAD-CBD-CGD-O2D
13	bF	201	CLA	C2-C3-C5-C6
13	bJ	101	CLA	C4B-C3B-CAB-CBB
13	bJ	101	CLA	CAD-CBD-CGD-O2D
13	bL	202	CLA	C4B-C3B-CAB-CBB
13	bL	203	CLA	C3-C5-C6-C7
13	cA	804	CLA	CHA-CBD-CGD-O1D
13	cA	804	CLA	CHA-CBD-CGD-O2D
13	cA	805	CLA	C4B-C3B-CAB-CBB
13	cA	806	CLA	C1A-C2A-CAA-CBA
13	cA	806	CLA	C3A-C2A-CAA-CBA
13	cA	807	CLA	C1A-C2A-CAA-CBA
13	cA	809	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	cA	812	CLA	C1A-C2A-CAA-CBA
13	cA	814	CLA	C2B-C3B-CAB-CBB
13	cA	814	CLA	C4B-C3B-CAB-CBB
13	cA	815	CLA	C4B-C3B-CAB-CBB
13	cA	818	CLA	C4-C3-C5-C6
13	cA	819	CLA	C1A-C2A-CAA-CBA
13	cA	819	CLA	C3A-C2A-CAA-CBA
13	cA	819	CLA	C2B-C3B-CAB-CBB
13	cA	819	CLA	C4B-C3B-CAB-CBB
13	cA	820	CLA	C1A-C2A-CAA-CBA
13	cA	820	CLA	C3A-C2A-CAA-CBA
13	cA	820	CLA	C2B-C3B-CAB-CBB
13	cA	820	CLA	C4B-C3B-CAB-CBB
13	cA	821	CLA	CHA-CBD-CGD-O1D
13	cA	821	CLA	CHA-CBD-CGD-O2D
13	cA	822	CLA	C2B-C3B-CAB-CBB
13	cA	822	CLA	C4B-C3B-CAB-CBB
13	cA	823	CLA	C1A-C2A-CAA-CBA
13	cA	823	CLA	C3A-C2A-CAA-CBA
13	cA	823	CLA	CAD-CBD-CGD-O1D
13	cA	823	CLA	CAD-CBD-CGD-O2D
13	cA	824	CLA	C2-C3-C5-C6
13	cA	824	CLA	C4-C3-C5-C6
13	cA	826	CLA	CAD-CBD-CGD-O2D
13	cA	828	CLA	C14-C13-C15-C16
13	cA	831	CLA	CHA-CBD-CGD-O1D
13	cA	831	CLA	CHA-CBD-CGD-O2D
13	cA	832	CLA	C2B-C3B-CAB-CBB
13	cA	832	CLA	C4B-C3B-CAB-CBB
13	cA	835	CLA	CHA-CBD-CGD-O1D
13	cA	835	CLA	CHA-CBD-CGD-O2D
13	cA	837	CLA	C1A-C2A-CAA-CBA
13	cA	837	CLA	C3A-C2A-CAA-CBA
13	cA	837	CLA	CHA-CBD-CGD-O1D
13	cA	837	CLA	CHA-CBD-CGD-O2D
13	cA	838	CLA	CHA-CBD-CGD-O1D
13	cA	838	CLA	CHA-CBD-CGD-O2D
13	cA	840	CLA	CHA-CBD-CGD-O1D
13	cA	840	CLA	CHA-CBD-CGD-O2D
13	cA	842	CLA	C1A-C2A-CAA-CBA
13	cA	843	CLA	C1A-C2A-CAA-CBA
13	cB	803	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	cB	803	CLA	C4B-C3B-CAB-CBB
13	cB	804	CLA	C2B-C3B-CAB-CBB
13	cB	804	CLA	C4B-C3B-CAB-CBB
13	cB	806	CLA	C2B-C3B-CAB-CBB
13	cB	806	CLA	C4B-C3B-CAB-CBB
13	cB	806	CLA	CBD-CGD-O2D-CED
13	cB	807	CLA	C1A-C2A-CAA-CBA
13	cB	807	CLA	C3A-C2A-CAA-CBA
13	cB	810	CLA	CHA-CBD-CGD-O1D
13	cB	810	CLA	CHA-CBD-CGD-O2D
13	cB	811	CLA	C2B-C3B-CAB-CBB
13	cB	811	CLA	C4B-C3B-CAB-CBB
13	cB	814	CLA	C1A-C2A-CAA-CBA
13	cB	814	CLA	C3A-C2A-CAA-CBA
13	cB	815	CLA	CHA-CBD-CGD-O2D
13	cB	816	CLA	C2B-C3B-CAB-CBB
13	cB	816	CLA	C4B-C3B-CAB-CBB
13	cB	816	CLA	CHA-CBD-CGD-O2D
13	cB	817	CLA	C1A-C2A-CAA-CBA
13	cB	819	CLA	C1A-C2A-CAA-CBA
13	cB	819	CLA	C3A-C2A-CAA-CBA
13	cB	819	CLA	C2B-C3B-CAB-CBB
13	cB	819	CLA	C4B-C3B-CAB-CBB
13	cB	820	CLA	CHA-CBD-CGD-O1D
13	cB	820	CLA	CHA-CBD-CGD-O2D
13	cB	823	CLA	C1A-C2A-CAA-CBA
13	cB	823	CLA	C3A-C2A-CAA-CBA
13	cB	824	CLA	CHA-CBD-CGD-O1D
13	cB	824	CLA	CHA-CBD-CGD-O2D
13	cB	824	CLA	C11-C12-C13-C14
13	cB	825	CLA	C1A-C2A-CAA-CBA
13	cB	825	CLA	C2B-C3B-CAB-CBB
13	cB	825	CLA	C4B-C3B-CAB-CBB
13	cB	825	CLA	CBD-CGD-O2D-CED
13	cB	827	CLA	C2B-C3B-CAB-CBB
13	cB	827	CLA	C4B-C3B-CAB-CBB
13	cB	830	CLA	C1A-C2A-CAA-CBA
13	cB	833	CLA	C14-C13-C15-C16
13	cB	834	CLA	CAD-CBD-CGD-O2D
13	cF	201	CLA	C4B-C3B-CAB-CBB
13	cF	201	CLA	CBD-CGD-O2D-CED
13	cF	201	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	cK	203	CLA	CHA-CBD-CGD-O1D
13	cK	203	CLA	CHA-CBD-CGD-O2D
13	cK	204	CLA	C1A-C2A-CAA-CBA
13	cK	204	CLA	C3A-C2A-CAA-CBA
13	cL	204	CLA	C4B-C3B-CAB-CBB
13	cL	204	CLA	CBD-CGD-O2D-CED
13	dA	802	CLA	C1A-C2A-CAA-CBA
13	dA	802	CLA	C3A-C2A-CAA-CBA
13	dA	802	CLA	C11-C12-C13-C14
13	dA	805	CLA	C2B-C3B-CAB-CBB
13	dA	805	CLA	C4B-C3B-CAB-CBB
13	dA	805	CLA	CHA-CBD-CGD-O1D
13	dA	805	CLA	CHA-CBD-CGD-O2D
13	dA	806	CLA	C3A-C2A-CAA-CBA
13	dA	806	CLA	CAD-CBD-CGD-O2D
13	dA	809	CLA	C1A-C2A-CAA-CBA
13	dA	809	CLA	C3A-C2A-CAA-CBA
13	dA	810	CLA	CBD-CGD-O2D-CED
13	dA	814	CLA	C2B-C3B-CAB-CBB
13	dA	814	CLA	C4B-C3B-CAB-CBB
13	dA	814	CLA	CAD-CBD-CGD-O1D
13	dA	814	CLA	CAD-CBD-CGD-O2D
13	dA	815	CLA	C2B-C3B-CAB-CBB
13	dA	815	CLA	C4B-C3B-CAB-CBB
13	dA	819	CLA	C1A-C2A-CAA-CBA
13	dA	819	CLA	C3A-C2A-CAA-CBA
13	dA	820	CLA	C1A-C2A-CAA-CBA
13	dA	820	CLA	C3A-C2A-CAA-CBA
13	dA	824	CLA	O1A-CGA-O2A-C1
13	dA	824	CLA	C2-C3-C5-C6
13	dA	824	CLA	C4-C3-C5-C6
13	dA	825	CLA	C2B-C3B-CAB-CBB
13	dA	825	CLA	C4B-C3B-CAB-CBB
13	dA	827	CLA	C4B-C3B-CAB-CBB
13	dA	829	CLA	C1A-C2A-CAA-CBA
13	dA	829	CLA	C3A-C2A-CAA-CBA
13	dA	829	CLA	CBD-CGD-O2D-CED
13	dA	831	CLA	CHA-CBD-CGD-O1D
13	dA	831	CLA	CHA-CBD-CGD-O2D
13	dA	832	CLA	C2B-C3B-CAB-CBB
13	dA	832	CLA	C4B-C3B-CAB-CBB
13	dA	833	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	dA	834	CLA	C2B-C3B-CAB-CBB
13	dA	834	CLA	C4B-C3B-CAB-CBB
13	dA	835	CLA	C2B-C3B-CAB-CBB
13	dA	835	CLA	C4B-C3B-CAB-CBB
13	dA	835	CLA	CHA-CBD-CGD-O1D
13	dA	835	CLA	CHA-CBD-CGD-O2D
13	dA	837	CLA	CHA-CBD-CGD-O1D
13	dA	837	CLA	CHA-CBD-CGD-O2D
13	dA	838	CLA	C1A-C2A-CAA-CBA
13	dA	838	CLA	CHA-CBD-CGD-O1D
13	dA	838	CLA	CHA-CBD-CGD-O2D
13	dA	838	CLA	C2-C3-C5-C6
13	dA	838	CLA	C4-C3-C5-C6
13	dA	839	CLA	CAD-CBD-CGD-O2D
13	dA	840	CLA	CHA-CBD-CGD-O1D
13	dA	840	CLA	CHA-CBD-CGD-O2D
13	dA	841	CLA	C2B-C3B-CAB-CBB
13	dA	841	CLA	C4B-C3B-CAB-CBB
13	dA	841	CLA	CBD-CGD-O2D-CED
13	dA	842	CLA	C1A-C2A-CAA-CBA
13	dA	842	CLA	C3A-C2A-CAA-CBA
13	dA	844	CLA	C1A-C2A-CAA-CBA
13	dA	844	CLA	C3A-C2A-CAA-CBA
13	dA	844	CLA	C2-C1-O2A-CGA
13	dA	844	CLA	CHA-CBD-CGD-O1D
13	dA	844	CLA	CHA-CBD-CGD-O2D
13	dB	802	CLA	C2B-C3B-CAB-CBB
13	dB	802	CLA	C4B-C3B-CAB-CBB
13	dB	803	CLA	C4B-C3B-CAB-CBB
13	dB	806	CLA	C1A-C2A-CAA-CBA
13	dB	806	CLA	C3A-C2A-CAA-CBA
13	dB	806	CLA	C2-C1-O2A-CGA
13	dB	806	CLA	CAD-CBD-CGD-O2D
13	dB	809	CLA	CHA-CBD-CGD-O1D
13	dB	809	CLA	CHA-CBD-CGD-O2D
13	dB	810	CLA	C4B-C3B-CAB-CBB
13	dB	813	CLA	C1A-C2A-CAA-CBA
13	dB	813	CLA	C3A-C2A-CAA-CBA
13	dB	813	CLA	C2B-C3B-CAB-CBB
13	dB	813	CLA	C4B-C3B-CAB-CBB
13	dB	814	CLA	CBD-CGD-O2D-CED
13	dB	815	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	dB	815	CLA	C4B-C3B-CAB-CBB
13	dB	815	CLA	CHA-CBD-CGD-O1D
13	dB	815	CLA	CHA-CBD-CGD-O2D
13	dB	816	CLA	C1A-C2A-CAA-CBA
13	dB	816	CLA	C3A-C2A-CAA-CBA
13	dB	818	CLA	C1A-C2A-CAA-CBA
13	dB	818	CLA	C3A-C2A-CAA-CBA
13	dB	819	CLA	CHA-CBD-CGD-O1D
13	dB	819	CLA	CHA-CBD-CGD-O2D
13	dB	820	CLA	C1A-C2A-CAA-CBA
13	dB	820	CLA	C3A-C2A-CAA-CBA
13	dB	820	CLA	CAD-CBD-CGD-O2D
13	dB	822	CLA	C1A-C2A-CAA-CBA
13	dB	822	CLA	C3A-C2A-CAA-CBA
13	dB	823	CLA	CHA-CBD-CGD-O1D
13	dB	823	CLA	CHA-CBD-CGD-O2D
13	dB	827	CLA	CHA-CBD-CGD-O1D
13	dB	827	CLA	CHA-CBD-CGD-O2D
13	dB	828	CLA	CHA-CBD-CGD-O1D
13	dB	828	CLA	CHA-CBD-CGD-O2D
13	dB	829	CLA	C1A-C2A-CAA-CBA
13	dB	829	CLA	C3A-C2A-CAA-CBA
13	dB	829	CLA	C2B-C3B-CAB-CBB
13	dB	829	CLA	C4B-C3B-CAB-CBB
13	dB	832	CLA	CAD-CBD-CGD-O1D
13	dB	832	CLA	CAD-CBD-CGD-O2D
13	dF	201	CLA	C2-C3-C5-C6
13	dJ	101	CLA	C4B-C3B-CAB-CBB
13	dJ	101	CLA	CAD-CBD-CGD-O2D
13	dL	202	CLA	C4B-C3B-CAB-CBB
13	dL	203	CLA	C3-C5-C6-C7
14	bA	845	PQN	C12-C13-C15-C16
14	bA	845	PQN	C14-C13-C15-C16
14	dA	845	PQN	C12-C13-C15-C16
14	dA	845	PQN	C14-C13-C15-C16
15	aA	845	BCR	C7-C8-C9-C10
15	aA	845	BCR	C11-C12-C13-C35
15	aA	845	BCR	C16-C17-C18-C36
15	aA	845	BCR	C17-C18-C19-C20
15	aA	845	BCR	C18-C19-C20-C21
15	aA	845	BCR	C20-C21-C22-C37
15	aA	845	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
15	aA	846	BCR	C7-C8-C9-C34
15	aA	846	BCR	C11-C10-C9-C8
15	aA	846	BCR	C11-C10-C9-C34
15	aA	846	BCR	C10-C11-C12-C13
15	aA	846	BCR	C11-C12-C13-C35
15	aA	846	BCR	C13-C14-C15-C16
15	aA	846	BCR	C14-C15-C16-C17
15	aA	846	BCR	C21-C22-C23-C24
15	aA	846	BCR	C37-C22-C23-C24
15	aA	847	BCR	C19-C20-C21-C22
15	aA	847	BCR	C21-C22-C23-C24
15	aA	848	BCR	C7-C8-C9-C10
15	aA	848	BCR	C7-C8-C9-C34
15	aA	848	BCR	C37-C22-C23-C24
15	aA	848	BCR	C22-C23-C24-C25
15	aA	849	BCR	C6-C7-C8-C9
15	aA	849	BCR	C10-C11-C12-C13
15	aA	849	BCR	C16-C17-C18-C36
15	aA	849	BCR	C36-C18-C19-C20
15	aA	849	BCR	C18-C19-C20-C21
15	aA	849	BCR	C20-C21-C22-C23
15	aA	849	BCR	C20-C21-C22-C37
15	aA	849	BCR	C21-C22-C23-C24
15	aA	849	BCR	C22-C23-C24-C25
15	aA	849	BCR	C23-C24-C25-C26
15	aB	836	BCR	C6-C7-C8-C9
15	aB	836	BCR	C7-C8-C9-C10
15	aB	836	BCR	C11-C10-C9-C8
15	aB	836	BCR	C11-C10-C9-C34
15	aB	836	BCR	C14-C15-C16-C17
15	aB	836	BCR	C16-C17-C18-C19
15	aB	836	BCR	C16-C17-C18-C36
15	aB	836	BCR	C20-C21-C22-C23
15	aB	836	BCR	C20-C21-C22-C37
15	aB	837	BCR	C7-C8-C9-C10
15	aB	837	BCR	C14-C15-C16-C17
15	aB	837	BCR	C16-C17-C18-C19
15	aB	837	BCR	C16-C17-C18-C36
15	aB	837	BCR	C37-C22-C23-C24
15	aB	837	BCR	C22-C23-C24-C25
15	aB	838	BCR	C6-C7-C8-C9
15	aB	838	BCR	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
15	aB	838	BCR	C7-C8-C9-C34
15	aB	838	BCR	C10-C11-C12-C13
15	aB	838	BCR	C20-C21-C22-C37
15	aF	202	BCR	C7-C8-C9-C10
15	aF	202	BCR	C11-C12-C13-C14
15	aF	202	BCR	C11-C12-C13-C35
15	aF	202	BCR	C14-C15-C16-C17
15	aF	202	BCR	C16-C17-C18-C19
15	aF	202	BCR	C16-C17-C18-C36
15	aF	203	BCR	C16-C17-C18-C36
15	aF	203	BCR	C18-C19-C20-C21
15	aI	101	BCR	C9-C10-C11-C12
15	aI	101	BCR	C16-C17-C18-C19
15	aI	101	BCR	C16-C17-C18-C36
15	aJ	102	BCR	C6-C7-C8-C9
15	aJ	102	BCR	C7-C8-C9-C10
15	aJ	102	BCR	C11-C10-C9-C8
15	aJ	102	BCR	C10-C11-C12-C13
15	aJ	103	BCR	C10-C11-C12-C13
15	aJ	103	BCR	C12-C13-C14-C15
15	aJ	103	BCR	C22-C23-C24-C25
15	aJ	104	BCR	C7-C8-C9-C10
15	aJ	104	BCR	C7-C8-C9-C34
15	aJ	104	BCR	C16-C17-C18-C19
15	aJ	104	BCR	C16-C17-C18-C36
15	aJ	104	BCR	C18-C19-C20-C21
15	aJ	104	BCR	C20-C21-C22-C23
15	aJ	104	BCR	C20-C21-C22-C37
15	aK	202	BCR	C7-C8-C9-C34
15	aK	202	BCR	C10-C11-C12-C13
15	aK	202	BCR	C20-C21-C22-C23
15	aK	202	BCR	C37-C22-C23-C24
15	aK	202	BCR	C22-C23-C24-C25
15	aK	205	BCR	C6-C7-C8-C9
15	aK	205	BCR	C7-C8-C9-C34
15	aK	205	BCR	C10-C11-C12-C13
15	aK	205	BCR	C11-C12-C13-C14
15	aK	205	BCR	C22-C23-C24-C25
15	aL	201	BCR	C20-C21-C22-C23
15	aL	201	BCR	C20-C21-C22-C37
15	aL	201	BCR	C22-C23-C24-C25
15	aL	205	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
15	aL	205	BCR	C9-C10-C11-C12
15	aL	205	BCR	C16-C17-C18-C36
15	aL	205	BCR	C37-C22-C23-C24
15	aL	205	BCR	C22-C23-C24-C25
15	aL	206	BCR	C10-C11-C12-C13
15	aL	206	BCR	C16-C17-C18-C36
15	aL	206	BCR	C19-C20-C21-C22
15	aL	206	BCR	C20-C21-C22-C37
15	aL	206	BCR	C21-C22-C23-C24
15	aL	206	BCR	C22-C23-C24-C25
15	aM	101	BCR	C7-C8-C9-C34
15	aM	101	BCR	C11-C10-C9-C34
15	aM	101	BCR	C10-C11-C12-C13
15	aM	101	BCR	C14-C15-C16-C17
15	aM	101	BCR	C20-C21-C22-C23
15	aM	101	BCR	C20-C21-C22-C37
15	aM	101	BCR	C21-C22-C23-C24
15	aM	101	BCR	C37-C22-C23-C24
15	aM	101	BCR	C22-C23-C24-C25
15	bA	846	BCR	C7-C8-C9-C10
15	bA	846	BCR	C7-C8-C9-C34
15	bA	846	BCR	C10-C11-C12-C13
15	bA	846	BCR	C21-C22-C23-C24
15	bA	847	BCR	C11-C12-C13-C14
15	bA	847	BCR	C14-C15-C16-C17
15	bA	847	BCR	C16-C17-C18-C19
15	bA	847	BCR	C16-C17-C18-C36
15	bA	848	BCR	C6-C7-C8-C9
15	bA	848	BCR	C7-C8-C9-C10
15	bA	848	BCR	C7-C8-C9-C34
15	bA	848	BCR	C10-C11-C12-C13
15	bA	848	BCR	C20-C21-C22-C37
15	bA	848	BCR	C37-C22-C23-C24
15	bA	849	BCR	C14-C15-C16-C17
15	bA	849	BCR	C20-C21-C22-C37
15	bA	849	BCR	C22-C23-C24-C25
15	bA	850	BCR	C7-C8-C9-C10
15	bA	850	BCR	C11-C10-C9-C8
15	bA	850	BCR	C11-C10-C9-C34
15	bA	850	BCR	C10-C11-C12-C13
15	bA	850	BCR	C11-C12-C13-C14
15	bA	850	BCR	C18-C19-C20-C21

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Mol	Chain	Res	Type	Atoms
15	bA	850	BCR	C21-C22-C23-C24
15	bA	850	BCR	C22-C23-C24-C25
15	bA	851	BCR	C6-C7-C8-C9
15	bA	851	BCR	C11-C12-C13-C35
15	bA	851	BCR	C12-C13-C14-C15
15	bA	851	BCR	C16-C17-C18-C19
15	bA	851	BCR	C16-C17-C18-C36
15	bA	851	BCR	C17-C18-C19-C20
15	bA	851	BCR	C18-C19-C20-C21
15	bA	851	BCR	C20-C21-C22-C23
15	bB	834	BCR	C6-C7-C8-C9
15	bB	834	BCR	C10-C11-C12-C13
15	bB	834	BCR	C22-C23-C24-C25
15	bB	835	BCR	C10-C11-C12-C13
15	bB	835	BCR	C14-C15-C16-C17
15	bB	835	BCR	C16-C17-C18-C19
15	bB	835	BCR	C16-C17-C18-C36
15	bB	835	BCR	C17-C18-C19-C20
15	bB	835	BCR	C18-C19-C20-C21
15	bB	835	BCR	C22-C23-C24-C25
15	bB	836	BCR	C7-C8-C9-C34
15	bB	836	BCR	C11-C10-C9-C8
15	bB	836	BCR	C11-C12-C13-C14
15	bB	836	BCR	C11-C12-C13-C35
15	bB	836	BCR	C16-C17-C18-C19
15	bB	836	BCR	C16-C17-C18-C36
15	bB	836	BCR	C18-C19-C20-C21
15	bB	836	BCR	C21-C22-C23-C24
15	bF	202	BCR	C7-C8-C9-C10
15	bF	202	BCR	C10-C11-C12-C13
15	bF	202	BCR	C11-C12-C13-C14
15	bF	202	BCR	C14-C15-C16-C17
15	bF	202	BCR	C16-C17-C18-C19
15	bF	202	BCR	C16-C17-C18-C36
15	bF	202	BCR	C21-C22-C23-C24
15	bF	202	BCR	C22-C23-C24-C25
15	bF	203	BCR	C7-C8-C9-C10
15	bF	203	BCR	C12-C13-C14-C15
15	bF	203	BCR	C20-C21-C22-C37
15	bF	203	BCR	C37-C22-C23-C24
15	bF	203	BCR	C22-C23-C24-C25
15	bI	101	BCR	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
15	bI	101	BCR	C11-C12-C13-C35
15	bI	101	BCR	C16-C17-C18-C19
15	bI	101	BCR	C16-C17-C18-C36
15	bI	101	BCR	C20-C21-C22-C23
15	bI	101	BCR	C21-C22-C23-C24
15	bI	101	BCR	C37-C22-C23-C24
15	bI	102	BCR	C6-C7-C8-C9
15	bI	102	BCR	C7-C8-C9-C10
15	bI	102	BCR	C20-C21-C22-C37
15	bI	102	BCR	C21-C22-C23-C24
15	bJ	102	BCR	C6-C7-C8-C9
15	bJ	102	BCR	C11-C10-C9-C8
15	bJ	102	BCR	C11-C10-C9-C34
15	bJ	102	BCR	C18-C19-C20-C21
15	bJ	102	BCR	C21-C22-C23-C24
15	bJ	102	BCR	C37-C22-C23-C24
15	bJ	103	BCR	C6-C7-C8-C9
15	bJ	103	BCR	C11-C10-C9-C8
15	bJ	103	BCR	C11-C12-C13-C35
15	bJ	103	BCR	C18-C19-C20-C21
15	bJ	103	BCR	C22-C23-C24-C25
15	bJ	103	BCR	C23-C24-C25-C26
15	bJ	104	BCR	C7-C8-C9-C10
15	bJ	104	BCR	C14-C15-C16-C17
15	bJ	104	BCR	C22-C23-C24-C25
15	bL	201	BCR	C7-C8-C9-C10
15	bL	201	BCR	C10-C11-C12-C13
15	bL	201	BCR	C14-C15-C16-C17
15	bM	101	BCR	C6-C7-C8-C9
15	bM	101	BCR	C10-C11-C12-C13
15	bM	101	BCR	C15-C16-C17-C18
15	bM	101	BCR	C16-C17-C18-C36
15	bM	101	BCR	C18-C19-C20-C21
15	bM	101	BCR	C20-C21-C22-C37
15	bM	101	BCR	C21-C22-C23-C24
15	bM	101	BCR	C22-C23-C24-C25
15	cA	845	BCR	C7-C8-C9-C10
15	cA	845	BCR	C11-C12-C13-C35
15	cA	845	BCR	C16-C17-C18-C36
15	cA	845	BCR	C17-C18-C19-C20
15	cA	845	BCR	C18-C19-C20-C21
15	cA	845	BCR	C20-C21-C22-C37

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Mol	Chain	Res	Type	Atoms
15	cA	845	BCR	C21-C22-C23-C24
15	cA	846	BCR	C7-C8-C9-C34
15	cA	846	BCR	C11-C10-C9-C8
15	cA	846	BCR	C11-C10-C9-C34
15	cA	846	BCR	C10-C11-C12-C13
15	cA	846	BCR	C11-C12-C13-C35
15	cA	846	BCR	C13-C14-C15-C16
15	cA	846	BCR	C14-C15-C16-C17
15	cA	846	BCR	C21-C22-C23-C24
15	cA	846	BCR	C37-C22-C23-C24
15	cA	847	BCR	C19-C20-C21-C22
15	cA	847	BCR	C21-C22-C23-C24
15	cA	848	BCR	C7-C8-C9-C10
15	cA	848	BCR	C7-C8-C9-C34
15	cA	848	BCR	C37-C22-C23-C24
15	cA	848	BCR	C22-C23-C24-C25
15	cA	849	BCR	C6-C7-C8-C9
15	cA	849	BCR	C10-C11-C12-C13
15	cA	849	BCR	C16-C17-C18-C36
15	cA	849	BCR	C36-C18-C19-C20
15	cA	849	BCR	C18-C19-C20-C21
15	cA	849	BCR	C20-C21-C22-C23
15	cA	849	BCR	C20-C21-C22-C37
15	cA	849	BCR	C21-C22-C23-C24
15	cA	849	BCR	C22-C23-C24-C25
15	cA	849	BCR	C23-C24-C25-C26
15	cB	836	BCR	C6-C7-C8-C9
15	cB	836	BCR	C7-C8-C9-C10
15	cB	836	BCR	C11-C10-C9-C8
15	cB	836	BCR	C11-C10-C9-C34
15	cB	836	BCR	C14-C15-C16-C17
15	cB	836	BCR	C16-C17-C18-C19
15	cB	836	BCR	C16-C17-C18-C36
15	cB	836	BCR	C20-C21-C22-C23
15	cB	836	BCR	C20-C21-C22-C37
15	cB	837	BCR	C7-C8-C9-C10
15	cB	837	BCR	C14-C15-C16-C17
15	cB	837	BCR	C16-C17-C18-C19
15	cB	837	BCR	C16-C17-C18-C36
15	cB	837	BCR	C37-C22-C23-C24
15	cB	837	BCR	C22-C23-C24-C25
15	cB	838	BCR	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
15	cB	838	BCR	C7-C8-C9-C10
15	cB	838	BCR	C7-C8-C9-C34
15	cB	838	BCR	C10-C11-C12-C13
15	cB	838	BCR	C20-C21-C22-C37
15	cF	202	BCR	C7-C8-C9-C10
15	cF	202	BCR	C11-C12-C13-C14
15	cF	202	BCR	C11-C12-C13-C35
15	cF	202	BCR	C14-C15-C16-C17
15	cF	202	BCR	C16-C17-C18-C19
15	cF	202	BCR	C16-C17-C18-C36
15	cF	203	BCR	C16-C17-C18-C36
15	cF	203	BCR	C18-C19-C20-C21
15	cI	101	BCR	C9-C10-C11-C12
15	cI	101	BCR	C16-C17-C18-C19
15	cI	101	BCR	C16-C17-C18-C36
15	cJ	102	BCR	C6-C7-C8-C9
15	cJ	102	BCR	C7-C8-C9-C10
15	cJ	102	BCR	C11-C10-C9-C8
15	cJ	102	BCR	C10-C11-C12-C13
15	cJ	103	BCR	C10-C11-C12-C13
15	cJ	103	BCR	C12-C13-C14-C15
15	cJ	103	BCR	C22-C23-C24-C25
15	cJ	104	BCR	C7-C8-C9-C10
15	cJ	104	BCR	C7-C8-C9-C34
15	cJ	104	BCR	C16-C17-C18-C19
15	cJ	104	BCR	C16-C17-C18-C36
15	cJ	104	BCR	C18-C19-C20-C21
15	cJ	104	BCR	C20-C21-C22-C23
15	cJ	104	BCR	C20-C21-C22-C37
15	cK	202	BCR	C7-C8-C9-C34
15	cK	202	BCR	C10-C11-C12-C13
15	cK	202	BCR	C20-C21-C22-C23
15	cK	202	BCR	C37-C22-C23-C24
15	cK	202	BCR	C22-C23-C24-C25
15	cL	201	BCR	C20-C21-C22-C23
15	cL	201	BCR	C20-C21-C22-C37
15	cL	201	BCR	C22-C23-C24-C25
15	cL	205	BCR	C7-C8-C9-C34
15	cL	205	BCR	C9-C10-C11-C12
15	cL	205	BCR	C16-C17-C18-C36
15	cL	205	BCR	C37-C22-C23-C24
15	cL	205	BCR	C22-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
15	cL	206	BCR	C10-C11-C12-C13
15	cL	206	BCR	C16-C17-C18-C36
15	cL	206	BCR	C19-C20-C21-C22
15	cL	206	BCR	C20-C21-C22-C37
15	cL	206	BCR	C21-C22-C23-C24
15	cL	206	BCR	C22-C23-C24-C25
15	cM	101	BCR	C7-C8-C9-C34
15	cM	101	BCR	C11-C10-C9-C34
15	cM	101	BCR	C10-C11-C12-C13
15	cM	101	BCR	C14-C15-C16-C17
15	cM	101	BCR	C20-C21-C22-C23
15	cM	101	BCR	C20-C21-C22-C37
15	cM	101	BCR	C21-C22-C23-C24
15	cM	101	BCR	C37-C22-C23-C24
15	cM	101	BCR	C22-C23-C24-C25
15	dA	846	BCR	C7-C8-C9-C10
15	dA	846	BCR	C7-C8-C9-C34
15	dA	846	BCR	C10-C11-C12-C13
15	dA	846	BCR	C21-C22-C23-C24
15	dA	847	BCR	C11-C12-C13-C14
15	dA	847	BCR	C14-C15-C16-C17
15	dA	847	BCR	C16-C17-C18-C19
15	dA	847	BCR	C16-C17-C18-C36
15	dA	848	BCR	C6-C7-C8-C9
15	dA	848	BCR	C7-C8-C9-C10
15	dA	848	BCR	C7-C8-C9-C34
15	dA	848	BCR	C10-C11-C12-C13
15	dA	848	BCR	C20-C21-C22-C37
15	dA	848	BCR	C37-C22-C23-C24
15	dA	849	BCR	C14-C15-C16-C17
15	dA	849	BCR	C20-C21-C22-C37
15	dA	849	BCR	C22-C23-C24-C25
15	dA	850	BCR	C7-C8-C9-C10
15	dA	850	BCR	C11-C10-C9-C8
15	dA	850	BCR	C11-C10-C9-C34
15	dA	850	BCR	C10-C11-C12-C13
15	dA	850	BCR	C11-C12-C13-C14
15	dA	850	BCR	C21-C22-C23-C24
15	dA	850	BCR	C22-C23-C24-C25
15	dA	851	BCR	C6-C7-C8-C9
15	dA	851	BCR	C11-C12-C13-C35
15	dA	851	BCR	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
15	dA	851	BCR	C16-C17-C18-C19
15	dA	851	BCR	C16-C17-C18-C36
15	dA	851	BCR	C17-C18-C19-C20
15	dA	851	BCR	C18-C19-C20-C21
15	dA	851	BCR	C20-C21-C22-C23
15	dB	834	BCR	C6-C7-C8-C9
15	dB	834	BCR	C10-C11-C12-C13
15	dB	834	BCR	C22-C23-C24-C25
15	dB	835	BCR	C10-C11-C12-C13
15	dB	835	BCR	C14-C15-C16-C17
15	dB	835	BCR	C16-C17-C18-C19
15	dB	835	BCR	C16-C17-C18-C36
15	dB	835	BCR	C17-C18-C19-C20
15	dB	835	BCR	C18-C19-C20-C21
15	dB	835	BCR	C22-C23-C24-C25
15	dB	836	BCR	C7-C8-C9-C34
15	dB	836	BCR	C11-C10-C9-C8
15	dB	836	BCR	C11-C12-C13-C14
15	dB	836	BCR	C11-C12-C13-C35
15	dB	836	BCR	C16-C17-C18-C19
15	dB	836	BCR	C16-C17-C18-C36
15	dB	836	BCR	C18-C19-C20-C21
15	dB	836	BCR	C21-C22-C23-C24
15	dF	202	BCR	C7-C8-C9-C10
15	dF	202	BCR	C10-C11-C12-C13
15	dF	202	BCR	C11-C12-C13-C14
15	dF	202	BCR	C14-C15-C16-C17
15	dF	202	BCR	C16-C17-C18-C19
15	dF	202	BCR	C16-C17-C18-C36
15	dF	202	BCR	C21-C22-C23-C24
15	dF	202	BCR	C22-C23-C24-C25
15	dF	203	BCR	C7-C8-C9-C10
15	dF	203	BCR	C12-C13-C14-C15
15	dF	203	BCR	C20-C21-C22-C37
15	dF	203	BCR	C37-C22-C23-C24
15	dF	203	BCR	C22-C23-C24-C25
15	dI	101	BCR	C11-C12-C13-C14
15	dI	101	BCR	C11-C12-C13-C35
15	dI	101	BCR	C16-C17-C18-C19
15	dI	101	BCR	C16-C17-C18-C36
15	dI	101	BCR	C20-C21-C22-C23
15	dI	101	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
15	dI	101	BCR	C37-C22-C23-C24
15	dI	102	BCR	C6-C7-C8-C9
15	dI	102	BCR	C7-C8-C9-C10
15	dI	102	BCR	C20-C21-C22-C37
15	dI	102	BCR	C21-C22-C23-C24
15	dJ	102	BCR	C6-C7-C8-C9
15	dJ	102	BCR	C11-C10-C9-C8
15	dJ	102	BCR	C11-C10-C9-C34
15	dJ	102	BCR	C18-C19-C20-C21
15	dJ	102	BCR	C21-C22-C23-C24
15	dJ	102	BCR	C37-C22-C23-C24
15	dJ	103	BCR	C6-C7-C8-C9
15	dJ	103	BCR	C11-C10-C9-C8
15	dJ	103	BCR	C11-C12-C13-C35
15	dJ	103	BCR	C18-C19-C20-C21
15	dJ	103	BCR	C22-C23-C24-C25
15	dJ	103	BCR	C23-C24-C25-C26
15	dJ	104	BCR	C7-C8-C9-C10
15	dJ	104	BCR	C14-C15-C16-C17
15	dJ	104	BCR	C22-C23-C24-C25
15	dL	201	BCR	C7-C8-C9-C10
15	dL	201	BCR	C10-C11-C12-C13
15	dL	201	BCR	C14-C15-C16-C17
15	dL	204	BCR	C6-C7-C8-C9
15	dL	204	BCR	C7-C8-C9-C34
15	dL	204	BCR	C10-C11-C12-C13
15	dL	204	BCR	C11-C12-C13-C14
15	dL	204	BCR	C22-C23-C24-C25
15	dM	101	BCR	C6-C7-C8-C9
15	dM	101	BCR	C10-C11-C12-C13
15	dM	101	BCR	C15-C16-C17-C18
15	dM	101	BCR	C16-C17-C18-C36
15	dM	101	BCR	C18-C19-C20-C21
15	dM	101	BCR	C20-C21-C22-C37
15	dM	101	BCR	C21-C22-C23-C24
15	dM	101	BCR	C22-C23-C24-C25
16	aA	850	LHG	O1-C1-C2-O2
16	aA	850	LHG	C1-C2-C3-O3
16	aA	851	LHG	C3-O3-P-O4
16	aA	851	LHG	C3-O3-P-O6
16	aA	851	LHG	C4-O6-P-O3
16	bA	852	LHG	C3-O3-P-O4

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Mol	Chain	Res	Type	Atoms
16	bA	852	LHG	C3-O3-P-O6
16	bA	852	LHG	C4-O6-P-O5
16	bA	853	LHG	C3-O3-P-O5
16	bA	853	LHG	C3-O3-P-O6
16	cA	850	LHG	O1-C1-C2-O2
16	cA	850	LHG	C1-C2-C3-O3
16	cA	851	LHG	C3-O3-P-O4
16	cA	851	LHG	C3-O3-P-O6
16	cA	851	LHG	C4-O6-P-O3
16	dA	852	LHG	C3-O3-P-O4
16	dA	852	LHG	C3-O3-P-O6
16	dA	852	LHG	C4-O6-P-O5
16	dA	853	LHG	C3-O3-P-O5
16	dA	853	LHG	C3-O3-P-O6
18	bB	837	LMG	O6-C1-O1-C7
18	dB	837	LMG	O6-C1-O1-C7
13	aB	834	CLA	C4C-C3C-CAC-CBC
13	cB	834	CLA	C4C-C3C-CAC-CBC
13	aA	830	CLA	CBD-CGD-O2D-CED
13	aA	835	CLA	CBD-CGD-O2D-CED
13	aA	836	CLA	CBD-CGD-O2D-CED
13	aB	803	CLA	CBD-CGD-O2D-CED
13	aB	820	CLA	CBD-CGD-O2D-CED
13	aB	828	CLA	CBD-CGD-O2D-CED
13	bA	817	CLA	CBD-CGD-O2D-CED
13	bA	838	CLA	CBD-CGD-O2D-CED
13	bB	802	CLA	CBD-CGD-O2D-CED
13	bB	805	CLA	CBD-CGD-O2D-CED
13	bB	826	CLA	CBD-CGD-O2D-CED
13	cA	830	CLA	CBD-CGD-O2D-CED
13	cA	835	CLA	CBD-CGD-O2D-CED
13	cA	836	CLA	CBD-CGD-O2D-CED
13	cB	803	CLA	CBD-CGD-O2D-CED
13	cB	820	CLA	CBD-CGD-O2D-CED
13	cB	828	CLA	CBD-CGD-O2D-CED
13	dA	817	CLA	CBD-CGD-O2D-CED
13	dA	838	CLA	CBD-CGD-O2D-CED
13	dB	802	CLA	CBD-CGD-O2D-CED
13	dB	805	CLA	CBD-CGD-O2D-CED
13	dB	826	CLA	CBD-CGD-O2D-CED
13	aA	827	CLA	O1A-CGA-O2A-C1
13	bA	807	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	cA	827	CLA	O1A-CGA-O2A-C1
13	dA	807	CLA	O1A-CGA-O2A-C1
13	aB	834	CLA	C2C-C3C-CAC-CBC
13	cB	834	CLA	C2C-C3C-CAC-CBC
13	bA	824	CLA	CBA-CGA-O2A-C1
13	dA	824	CLA	CBA-CGA-O2A-C1
13	aB	801	CLA	O1A-CGA-O2A-C1
13	aB	817	CLA	O1A-CGA-O2A-C1
13	bA	827	CLA	O1A-CGA-O2A-C1
13	bA	843	CLA	O1A-CGA-O2A-C1
13	cB	801	CLA	O1A-CGA-O2A-C1
13	cB	817	CLA	O1A-CGA-O2A-C1
13	dA	827	CLA	O1A-CGA-O2A-C1
13	dA	843	CLA	O1A-CGA-O2A-C1
13	bA	810	CLA	O1D-CGD-O2D-CED
13	dA	810	CLA	O1D-CGD-O2D-CED
13	aL	204	CLA	O1D-CGD-O2D-CED
13	bA	829	CLA	O1D-CGD-O2D-CED
13	bB	814	CLA	O1D-CGD-O2D-CED
13	cL	204	CLA	O1D-CGD-O2D-CED
13	dA	829	CLA	O1D-CGD-O2D-CED
13	dB	814	CLA	O1D-CGD-O2D-CED
13	bA	835	CLA	CBD-CGD-O2D-CED
13	dA	835	CLA	CBD-CGD-O2D-CED
13	aA	807	CLA	C3-C5-C6-C7
13	aA	813	CLA	C3-C5-C6-C7
13	aA	820	CLA	C3-C5-C6-C7
13	aA	828	CLA	C3-C5-C6-C7
13	aB	807	CLA	C3-C5-C6-C7
13	aB	815	CLA	C3-C5-C6-C7
13	aB	823	CLA	C3-C5-C6-C7
13	aB	824	CLA	C3-C5-C6-C7
13	aB	826	CLA	C3-C5-C6-C7
13	bA	806	CLA	C3-C5-C6-C7
13	bA	807	CLA	C3-C5-C6-C7
13	bA	821	CLA	C3-C5-C6-C7
13	bA	843	CLA	C3-C5-C6-C7
13	bB	810	CLA	C3-C5-C6-C7
13	bB	814	CLA	C3-C5-C6-C7
13	bB	822	CLA	C3-C5-C6-C7
13	bB	823	CLA	C3-C5-C6-C7
13	bB	826	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	bB	829	CLA	C3-C5-C6-C7
13	cA	807	CLA	C3-C5-C6-C7
13	cA	813	CLA	C3-C5-C6-C7
13	cA	820	CLA	C3-C5-C6-C7
13	cA	828	CLA	C3-C5-C6-C7
13	cB	807	CLA	C3-C5-C6-C7
13	cB	815	CLA	C3-C5-C6-C7
13	cB	823	CLA	C3-C5-C6-C7
13	cB	824	CLA	C3-C5-C6-C7
13	cB	826	CLA	C3-C5-C6-C7
13	dA	806	CLA	C3-C5-C6-C7
13	dA	807	CLA	C3-C5-C6-C7
13	dA	821	CLA	C3-C5-C6-C7
13	dA	843	CLA	C3-C5-C6-C7
13	dB	810	CLA	C3-C5-C6-C7
13	dB	814	CLA	C3-C5-C6-C7
13	dB	822	CLA	C3-C5-C6-C7
13	dB	823	CLA	C3-C5-C6-C7
13	dB	826	CLA	C3-C5-C6-C7
13	dB	829	CLA	C3-C5-C6-C7
14	bA	845	PQN	C13-C15-C16-C17
14	dA	845	PQN	C13-C15-C16-C17
13	aA	820	CLA	CBA-CGA-O2A-C1
13	aA	821	CLA	CBA-CGA-O2A-C1
13	aA	827	CLA	CBA-CGA-O2A-C1
13	aB	817	CLA	CBA-CGA-O2A-C1
13	aB	819	CLA	CBA-CGA-O2A-C1
13	bA	807	CLA	CBA-CGA-O2A-C1
13	bA	827	CLA	CBA-CGA-O2A-C1
13	bB	824	CLA	CBA-CGA-O2A-C1
13	cA	820	CLA	CBA-CGA-O2A-C1
13	cA	821	CLA	CBA-CGA-O2A-C1
13	cA	827	CLA	CBA-CGA-O2A-C1
13	cB	817	CLA	CBA-CGA-O2A-C1
13	cB	819	CLA	CBA-CGA-O2A-C1
13	dA	807	CLA	CBA-CGA-O2A-C1
13	dA	827	CLA	CBA-CGA-O2A-C1
13	dB	824	CLA	CBA-CGA-O2A-C1
13	aA	820	CLA	CBD-CGD-O2D-CED
13	aA	829	CLA	CBD-CGD-O2D-CED
13	aA	837	CLA	CBD-CGD-O2D-CED
13	aB	816	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	aB	827	CLA	CBD-CGD-O2D-CED
13	aB	830	CLA	CBD-CGD-O2D-CED
13	bA	837	CLA	CBD-CGD-O2D-CED
13	bA	843	CLA	CBD-CGD-O2D-CED
13	bB	815	CLA	CBD-CGD-O2D-CED
13	bB	821	CLA	CBD-CGD-O2D-CED
13	bL	202	CLA	CBD-CGD-O2D-CED
13	cA	820	CLA	CBD-CGD-O2D-CED
13	cA	829	CLA	CBD-CGD-O2D-CED
13	cA	837	CLA	CBD-CGD-O2D-CED
13	cB	816	CLA	CBD-CGD-O2D-CED
13	cB	827	CLA	CBD-CGD-O2D-CED
13	cB	830	CLA	CBD-CGD-O2D-CED
13	dA	837	CLA	CBD-CGD-O2D-CED
13	dA	843	CLA	CBD-CGD-O2D-CED
13	dB	815	CLA	CBD-CGD-O2D-CED
13	dB	821	CLA	CBD-CGD-O2D-CED
13	dL	202	CLA	CBD-CGD-O2D-CED
13	aF	201	CLA	O1D-CGD-O2D-CED
13	bA	841	CLA	O1D-CGD-O2D-CED
13	cF	201	CLA	O1D-CGD-O2D-CED
13	dA	841	CLA	O1D-CGD-O2D-CED
13	aA	819	CLA	C4-C3-C5-C6
13	aA	829	CLA	C4-C3-C5-C6
13	aA	833	CLA	C4-C3-C5-C6
13	aB	801	CLA	C4-C3-C5-C6
13	aB	808	CLA	C4-C3-C5-C6
13	aB	821	CLA	C4-C3-C5-C6
13	bA	813	CLA	C4-C3-C5-C6
13	bB	807	CLA	C4-C3-C5-C6
13	bL	202	CLA	C4-C3-C5-C6
13	cA	819	CLA	C4-C3-C5-C6
13	cA	829	CLA	C4-C3-C5-C6
13	cA	833	CLA	C4-C3-C5-C6
13	cB	801	CLA	C4-C3-C5-C6
13	cB	808	CLA	C4-C3-C5-C6
13	cB	821	CLA	C4-C3-C5-C6
13	dA	813	CLA	C4-C3-C5-C6
13	dB	807	CLA	C4-C3-C5-C6
13	dL	202	CLA	C4-C3-C5-C6
13	aA	818	CLA	C2-C3-C5-C6
13	aA	833	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	aB	801	CLA	C2-C3-C5-C6
13	aB	821	CLA	C2-C3-C5-C6
13	cA	818	CLA	C2-C3-C5-C6
13	cA	833	CLA	C2-C3-C5-C6
13	cB	801	CLA	C2-C3-C5-C6
13	cB	821	CLA	C2-C3-C5-C6
13	aB	817	CLA	CBD-CGD-O2D-CED
13	bA	805	CLA	CBD-CGD-O2D-CED
13	bB	832	CLA	CBD-CGD-O2D-CED
13	cB	817	CLA	CBD-CGD-O2D-CED
13	dA	805	CLA	CBD-CGD-O2D-CED
13	dB	832	CLA	CBD-CGD-O2D-CED
13	aB	803	CLA	O1D-CGD-O2D-CED
13	aB	825	CLA	O1D-CGD-O2D-CED
13	bB	802	CLA	O1D-CGD-O2D-CED
13	cB	803	CLA	O1D-CGD-O2D-CED
13	cB	825	CLA	O1D-CGD-O2D-CED
13	dB	802	CLA	O1D-CGD-O2D-CED
13	aB	818	CLA	C2A-CAA-CBA-CGA
13	bA	830	CLA	C2A-CAA-CBA-CGA
13	bJ	101	CLA	C2A-CAA-CBA-CGA
13	cB	818	CLA	C2A-CAA-CBA-CGA
13	dA	830	CLA	C2A-CAA-CBA-CGA
13	dJ	101	CLA	C2A-CAA-CBA-CGA
13	aA	842	CLA	C3-C5-C6-C7
13	aB	811	CLA	C3-C5-C6-C7
13	aB	818	CLA	C3-C5-C6-C7
13	bA	819	CLA	C3-C5-C6-C7
13	bB	816	CLA	C3-C5-C6-C7
13	cA	842	CLA	C3-C5-C6-C7
13	cB	811	CLA	C3-C5-C6-C7
13	cB	818	CLA	C3-C5-C6-C7
13	dA	819	CLA	C3-C5-C6-C7
13	dB	816	CLA	C3-C5-C6-C7
14	aB	835	PQN	C13-C15-C16-C17
14	cB	835	PQN	C13-C15-C16-C17
13	aA	843	CLA	CBA-CGA-O2A-C1
13	aB	801	CLA	CBA-CGA-O2A-C1
13	bA	812	CLA	CBA-CGA-O2A-C1
13	bA	820	CLA	CBA-CGA-O2A-C1
13	bA	843	CLA	CBA-CGA-O2A-C1
13	bB	816	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	bB	818	CLA	CBA-CGA-O2A-C1
13	cB	801	CLA	CBA-CGA-O2A-C1
13	dA	812	CLA	CBA-CGA-O2A-C1
13	dA	820	CLA	CBA-CGA-O2A-C1
13	dA	843	CLA	CBA-CGA-O2A-C1
13	dB	816	CLA	CBA-CGA-O2A-C1
13	dB	818	CLA	CBA-CGA-O2A-C1
18	aB	839	LMG	O6-C5-C6-O5
18	cB	839	LMG	O6-C5-C6-O5
15	aA	849	BCR	C13-C14-C15-C16
15	aA	849	BCR	C15-C16-C17-C18
15	aB	837	BCR	C19-C20-C21-C22
15	aL	205	BCR	C13-C14-C15-C16
15	aL	206	BCR	C13-C14-C15-C16
15	cA	849	BCR	C13-C14-C15-C16
15	cA	849	BCR	C15-C16-C17-C18
15	cB	837	BCR	C19-C20-C21-C22
15	cL	205	BCR	C13-C14-C15-C16
15	cL	206	BCR	C13-C14-C15-C16
13	aA	821	CLA	O1A-CGA-O2A-C1
13	aB	819	CLA	O1A-CGA-O2A-C1
13	bA	820	CLA	O1A-CGA-O2A-C1
13	bB	824	CLA	O1A-CGA-O2A-C1
13	cA	821	CLA	O1A-CGA-O2A-C1
13	cB	819	CLA	O1A-CGA-O2A-C1
13	dA	820	CLA	O1A-CGA-O2A-C1
13	dB	824	CLA	O1A-CGA-O2A-C1
13	aA	835	CLA	O1D-CGD-O2D-CED
13	aB	806	CLA	O1D-CGD-O2D-CED
13	bB	805	CLA	O1D-CGD-O2D-CED
13	cA	835	CLA	O1D-CGD-O2D-CED
13	cB	806	CLA	O1D-CGD-O2D-CED
13	dB	805	CLA	O1D-CGD-O2D-CED
13	aA	812	CLA	C3-C5-C6-C7
13	aA	821	CLA	C3-C5-C6-C7
13	aA	829	CLA	C3-C5-C6-C7
13	aA	836	CLA	C3-C5-C6-C7
13	aA	840	CLA	C3-C5-C6-C7
13	aB	801	CLA	C3-C5-C6-C7
13	aB	808	CLA	C3-C5-C6-C7
13	bB	825	CLA	C3-C5-C6-C7
13	cA	812	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	cA	821	CLA	C3-C5-C6-C7
13	cA	829	CLA	C3-C5-C6-C7
13	cA	836	CLA	C3-C5-C6-C7
13	cA	840	CLA	C3-C5-C6-C7
13	cB	801	CLA	C3-C5-C6-C7
13	cB	808	CLA	C3-C5-C6-C7
13	dB	825	CLA	C3-C5-C6-C7
13	aA	810	CLA	CBD-CGD-O2D-CED
13	aL	203	CLA	CBD-CGD-O2D-CED
13	cA	810	CLA	CBD-CGD-O2D-CED
13	cL	203	CLA	CBD-CGD-O2D-CED
13	aB	820	CLA	O1D-CGD-O2D-CED
13	cB	820	CLA	O1D-CGD-O2D-CED
13	cA	843	CLA	CBA-CGA-O2A-C1
13	aA	820	CLA	O1A-CGA-O2A-C1
13	bA	812	CLA	O1A-CGA-O2A-C1
13	cA	820	CLA	O1A-CGA-O2A-C1
13	dA	812	CLA	O1A-CGA-O2A-C1
16	aA	850	LHG	C23-C24-C25-C26
16	cA	850	LHG	C23-C24-C25-C26
18	aB	839	LMG	C4-C5-C6-O5
18	cB	839	LMG	C4-C5-C6-O5
13	aK	203	CLA	CBD-CGD-O2D-CED
13	bB	809	CLA	CBD-CGD-O2D-CED
13	cK	203	CLA	CBD-CGD-O2D-CED
13	dB	809	CLA	CBD-CGD-O2D-CED
13	aB	820	CLA	CBA-CGA-O2A-C1
13	cB	820	CLA	CBA-CGA-O2A-C1
13	bB	816	CLA	O1A-CGA-O2A-C1
13	dB	816	CLA	O1A-CGA-O2A-C1
13	aA	826	CLA	C3-C5-C6-C7
13	aB	810	CLA	C3-C5-C6-C7
13	bA	813	CLA	C3-C5-C6-C7
13	bA	828	CLA	C3-C5-C6-C7
13	bB	807	CLA	C3-C5-C6-C7
13	bB	809	CLA	C3-C5-C6-C7
13	bB	817	CLA	C3-C5-C6-C7
13	bL	202	CLA	C3-C5-C6-C7
13	cA	826	CLA	C3-C5-C6-C7
13	cB	810	CLA	C3-C5-C6-C7
13	dA	813	CLA	C3-C5-C6-C7
13	dA	828	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	dB	807	CLA	C3-C5-C6-C7
13	dB	809	CLA	C3-C5-C6-C7
13	dB	817	CLA	C3-C5-C6-C7
13	dL	202	CLA	C3-C5-C6-C7
13	aA	806	CLA	CBD-CGD-O2D-CED
13	aB	815	CLA	CBD-CGD-O2D-CED
13	bB	811	CLA	CBD-CGD-O2D-CED
13	cA	806	CLA	CBD-CGD-O2D-CED
13	cB	815	CLA	CBD-CGD-O2D-CED
13	dB	811	CLA	CBD-CGD-O2D-CED
13	aB	804	CLA	C4-C3-C5-C6
13	bA	818	CLA	C4-C3-C5-C6
13	bA	829	CLA	C4-C3-C5-C6
13	bA	831	CLA	C4-C3-C5-C6
13	bA	833	CLA	C4-C3-C5-C6
13	bB	802	CLA	C4-C3-C5-C6
13	bB	803	CLA	C4-C3-C5-C6
13	cB	804	CLA	C4-C3-C5-C6
13	dA	818	CLA	C4-C3-C5-C6
13	dA	829	CLA	C4-C3-C5-C6
13	dA	831	CLA	C4-C3-C5-C6
13	dA	833	CLA	C4-C3-C5-C6
13	dB	802	CLA	C4-C3-C5-C6
13	dB	803	CLA	C4-C3-C5-C6
13	aA	819	CLA	C2-C3-C5-C6
13	aA	829	CLA	C2-C3-C5-C6
13	aB	804	CLA	C2-C3-C5-C6
13	aB	808	CLA	C2-C3-C5-C6
13	aB	817	CLA	C2-C3-C5-C6
13	bA	818	CLA	C2-C3-C5-C6
13	bA	831	CLA	C2-C3-C5-C6
13	bA	833	CLA	C2-C3-C5-C6
13	bB	802	CLA	C2-C3-C5-C6
13	bB	803	CLA	C2-C3-C5-C6
13	bB	807	CLA	C2-C3-C5-C6
13	cA	819	CLA	C2-C3-C5-C6
13	cA	829	CLA	C2-C3-C5-C6
13	cB	804	CLA	C2-C3-C5-C6
13	cB	808	CLA	C2-C3-C5-C6
13	cB	817	CLA	C2-C3-C5-C6
13	dA	818	CLA	C2-C3-C5-C6
13	dA	831	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	dA	833	CLA	C2-C3-C5-C6
13	dB	802	CLA	C2-C3-C5-C6
13	dB	803	CLA	C2-C3-C5-C6
13	dB	807	CLA	C2-C3-C5-C6
13	aA	843	CLA	O1A-CGA-O2A-C1
13	cA	843	CLA	O1A-CGA-O2A-C1
13	aA	823	CLA	CBD-CGD-O2D-CED
13	bA	840	CLA	CBD-CGD-O2D-CED
13	cA	823	CLA	CBD-CGD-O2D-CED
13	dA	840	CLA	CBD-CGD-O2D-CED
13	aA	812	CLA	C2A-CAA-CBA-CGA
13	cA	812	CLA	C2A-CAA-CBA-CGA
13	aB	828	CLA	O1D-CGD-O2D-CED
13	cB	828	CLA	O1D-CGD-O2D-CED
13	bB	818	CLA	O1A-CGA-O2A-C1
13	dB	818	CLA	O1A-CGA-O2A-C1
13	aA	823	CLA	CBA-CGA-O2A-C1
13	bB	817	CLA	CBA-CGA-O2A-C1
13	bB	830	CLA	CBA-CGA-O2A-C1
13	cA	823	CLA	CBA-CGA-O2A-C1
13	dB	817	CLA	CBA-CGA-O2A-C1
13	dB	830	CLA	CBA-CGA-O2A-C1
13	aA	807	CLA	CBD-CGD-O2D-CED
13	aA	811	CLA	CBD-CGD-O2D-CED
13	aA	825	CLA	CBD-CGD-O2D-CED
13	aB	810	CLA	CBD-CGD-O2D-CED
13	aB	822	CLA	CBD-CGD-O2D-CED
13	aB	833	CLA	CBD-CGD-O2D-CED
13	bA	803	CLA	CBD-CGD-O2D-CED
13	bA	823	CLA	CBD-CGD-O2D-CED
13	bB	825	CLA	CBD-CGD-O2D-CED
13	bJ	101	CLA	CBD-CGD-O2D-CED
13	cA	807	CLA	CBD-CGD-O2D-CED
13	cA	811	CLA	CBD-CGD-O2D-CED
13	cA	825	CLA	CBD-CGD-O2D-CED
13	cB	810	CLA	CBD-CGD-O2D-CED
13	cB	822	CLA	CBD-CGD-O2D-CED
13	cB	833	CLA	CBD-CGD-O2D-CED
13	dA	803	CLA	CBD-CGD-O2D-CED
13	dA	823	CLA	CBD-CGD-O2D-CED
13	dB	825	CLA	CBD-CGD-O2D-CED
13	dJ	101	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	bA	844	CLA	O1A-CGA-O2A-C1
13	dA	844	CLA	O1A-CGA-O2A-C1
18	bB	837	LMG	O6-C5-C6-O5
18	dB	837	LMG	O6-C5-C6-O5
13	bA	817	CLA	O1D-CGD-O2D-CED
13	bA	838	CLA	O1D-CGD-O2D-CED
13	dA	817	CLA	O1D-CGD-O2D-CED
13	dA	838	CLA	O1D-CGD-O2D-CED
13	aA	809	CLA	CBD-CGD-O2D-CED
13	cA	809	CLA	CBD-CGD-O2D-CED
13	aA	809	CLA	C3-C5-C6-C7
13	bA	809	CLA	C3-C5-C6-C7
13	cA	809	CLA	C3-C5-C6-C7
13	dA	809	CLA	C3-C5-C6-C7
15	bF	202	BCR	C13-C14-C15-C16
15	bJ	103	BCR	C9-C10-C11-C12
15	dF	202	BCR	C13-C14-C15-C16
15	dJ	103	BCR	C9-C10-C11-C12
13	aA	823	CLA	O1A-CGA-O2A-C1
13	cA	823	CLA	O1A-CGA-O2A-C1
13	aA	812	CLA	CBA-CGA-O2A-C1
13	aA	824	CLA	CBA-CGA-O2A-C1
13	aA	833	CLA	CBA-CGA-O2A-C1
13	aB	827	CLA	CBA-CGA-O2A-C1
13	aB	834	CLA	CBA-CGA-O2A-C1
13	bA	818	CLA	CBA-CGA-O2A-C1
13	bA	828	CLA	CBA-CGA-O2A-C1
13	bA	833	CLA	CBA-CGA-O2A-C1
13	bA	834	CLA	CBA-CGA-O2A-C1
13	bA	844	CLA	CBA-CGA-O2A-C1
13	bB	806	CLA	CBA-CGA-O2A-C1
13	bB	832	CLA	CBA-CGA-O2A-C1
13	cA	812	CLA	CBA-CGA-O2A-C1
13	cA	824	CLA	CBA-CGA-O2A-C1
13	cA	833	CLA	CBA-CGA-O2A-C1
13	cB	827	CLA	CBA-CGA-O2A-C1
13	cB	834	CLA	CBA-CGA-O2A-C1
13	dA	818	CLA	CBA-CGA-O2A-C1
13	dA	828	CLA	CBA-CGA-O2A-C1
13	dA	833	CLA	CBA-CGA-O2A-C1
13	dA	834	CLA	CBA-CGA-O2A-C1
13	dA	844	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	dB	806	CLA	CBA-CGA-O2A-C1
13	dB	832	CLA	CBA-CGA-O2A-C1
13	aA	831	CLA	CBD-CGD-O2D-CED
13	cA	831	CLA	CBD-CGD-O2D-CED
13	aA	830	CLA	O1D-CGD-O2D-CED
13	aA	836	CLA	O1D-CGD-O2D-CED
13	bB	826	CLA	O1D-CGD-O2D-CED
13	cA	830	CLA	O1D-CGD-O2D-CED
13	cA	836	CLA	O1D-CGD-O2D-CED
13	dB	826	CLA	O1D-CGD-O2D-CED
13	aB	803	CLA	C4-C3-C5-C6
13	aB	817	CLA	C4-C3-C5-C6
13	bB	816	CLA	C4-C3-C5-C6
13	cB	803	CLA	C4-C3-C5-C6
13	cB	817	CLA	C4-C3-C5-C6
13	dB	816	CLA	C4-C3-C5-C6
13	aB	803	CLA	C2-C3-C5-C6
13	bA	813	CLA	C2-C3-C5-C6
13	bB	816	CLA	C2-C3-C5-C6
13	bL	202	CLA	C2-C3-C5-C6
13	cB	803	CLA	C2-C3-C5-C6
13	dA	813	CLA	C2-C3-C5-C6
13	dB	816	CLA	C2-C3-C5-C6
13	dL	202	CLA	C2-C3-C5-C6
13	aA	809	CLA	C11-C12-C13-C14
13	aA	828	CLA	C6-C7-C8-C9
13	aB	807	CLA	C11-C10-C8-C9
13	aB	807	CLA	C11-C12-C13-C14
13	aB	826	CLA	C11-C12-C13-C14
13	aB	834	CLA	C11-C12-C13-C14
13	bB	818	CLA	C11-C10-C8-C9
13	cA	809	CLA	C11-C12-C13-C14
13	cA	828	CLA	C6-C7-C8-C9
13	cB	807	CLA	C11-C10-C8-C9
13	cB	807	CLA	C11-C12-C13-C14
13	cB	818	CLA	C6-C7-C8-C9
13	cB	826	CLA	C11-C12-C13-C14
13	cB	834	CLA	C11-C12-C13-C14
13	dB	818	CLA	C11-C10-C8-C9
13	bA	835	CLA	O1D-CGD-O2D-CED
13	dA	835	CLA	O1D-CGD-O2D-CED
18	bB	837	LMG	C2-C1-O1-C7

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Mol	Chain	Res	Type	Atoms
18	dB	837	LMG	C2-C1-O1-C7
16	aA	850	LHG	O2-C2-C3-O3
16	cA	850	LHG	O2-C2-C3-O3
13	aA	812	CLA	O1A-CGA-O2A-C1
13	aA	824	CLA	O1A-CGA-O2A-C1
13	bA	818	CLA	O1A-CGA-O2A-C1
13	bA	834	CLA	O1A-CGA-O2A-C1
13	cA	812	CLA	O1A-CGA-O2A-C1
13	cA	824	CLA	O1A-CGA-O2A-C1
13	dA	818	CLA	O1A-CGA-O2A-C1
13	dA	834	CLA	O1A-CGA-O2A-C1
15	aA	845	BCR	C37-C22-C23-C24
15	aA	847	BCR	C37-C22-C23-C24
15	aA	849	BCR	C7-C8-C9-C34
15	aB	836	BCR	C7-C8-C9-C34
15	aB	838	BCR	C37-C22-C23-C24
15	aF	202	BCR	C7-C8-C9-C34
15	aF	202	BCR	C36-C18-C19-C20
15	aF	202	BCR	C37-C22-C23-C24
15	aI	101	BCR	C7-C8-C9-C34
15	aJ	102	BCR	C37-C22-C23-C24
15	aJ	103	BCR	C7-C8-C9-C34
15	aK	205	BCR	C37-C22-C23-C24
15	aL	206	BCR	C11-C12-C13-C35
15	aM	101	BCR	C11-C12-C13-C35
15	bA	846	BCR	C11-C12-C13-C35
15	bA	846	BCR	C37-C22-C23-C24
15	bA	847	BCR	C11-C12-C13-C35
15	bA	849	BCR	C37-C22-C23-C24
15	bA	850	BCR	C7-C8-C9-C34
15	bA	850	BCR	C37-C22-C23-C24
15	bA	851	BCR	C7-C8-C9-C34
15	bA	851	BCR	C36-C18-C19-C20
15	bB	834	BCR	C7-C8-C9-C34
15	bB	835	BCR	C7-C8-C9-C34
15	bF	202	BCR	C7-C8-C9-C34
15	bF	202	BCR	C11-C12-C13-C35
15	bF	202	BCR	C37-C22-C23-C24
15	bF	203	BCR	C7-C8-C9-C34
15	bI	101	BCR	C7-C8-C9-C34
15	bI	102	BCR	C7-C8-C9-C34
15	bI	102	BCR	C37-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
15	bJ	104	BCR	C7-C8-C9-C34
15	bL	201	BCR	C7-C8-C9-C34
15	bM	101	BCR	C37-C22-C23-C24
15	cA	845	BCR	C37-C22-C23-C24
15	cA	847	BCR	C37-C22-C23-C24
15	cA	849	BCR	C7-C8-C9-C34
15	cB	836	BCR	C7-C8-C9-C34
15	cB	838	BCR	C37-C22-C23-C24
15	cF	202	BCR	C7-C8-C9-C34
15	cF	202	BCR	C36-C18-C19-C20
15	cF	202	BCR	C37-C22-C23-C24
15	cI	101	BCR	C7-C8-C9-C34
15	cJ	102	BCR	C37-C22-C23-C24
15	cJ	103	BCR	C7-C8-C9-C34
15	cL	206	BCR	C11-C12-C13-C35
15	cM	101	BCR	C11-C12-C13-C35
15	dA	846	BCR	C11-C12-C13-C35
15	dA	846	BCR	C37-C22-C23-C24
15	dA	847	BCR	C11-C12-C13-C35
15	dA	849	BCR	C37-C22-C23-C24
15	dA	850	BCR	C7-C8-C9-C34
15	dA	850	BCR	C37-C22-C23-C24
15	dA	851	BCR	C7-C8-C9-C34
15	dA	851	BCR	C36-C18-C19-C20
15	dB	834	BCR	C7-C8-C9-C34
15	dB	835	BCR	C7-C8-C9-C34
15	dF	202	BCR	C7-C8-C9-C34
15	dF	202	BCR	C11-C12-C13-C35
15	dF	202	BCR	C37-C22-C23-C24
15	dF	203	BCR	C7-C8-C9-C34
15	dI	101	BCR	C7-C8-C9-C34
15	dI	102	BCR	C7-C8-C9-C34
15	dI	102	BCR	C37-C22-C23-C24
15	dJ	104	BCR	C7-C8-C9-C34
15	dL	201	BCR	C7-C8-C9-C34
15	dL	204	BCR	C37-C22-C23-C24
15	dM	101	BCR	C37-C22-C23-C24
15	aA	845	BCR	C11-C12-C13-C14
15	aA	846	BCR	C7-C8-C9-C10
15	aA	848	BCR	C21-C22-C23-C24
15	aA	849	BCR	C11-C12-C13-C14
15	aA	849	BCR	C17-C18-C19-C20

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Mol	Chain	Res	Type	Atoms
15	aB	837	BCR	C21-C22-C23-C24
15	aB	838	BCR	C21-C22-C23-C24
15	aF	202	BCR	C21-C22-C23-C24
15	aK	202	BCR	C7-C8-C9-C10
15	aK	202	BCR	C21-C22-C23-C24
15	aK	205	BCR	C21-C22-C23-C24
15	aL	205	BCR	C7-C8-C9-C10
15	aM	101	BCR	C7-C8-C9-C10
15	bA	849	BCR	C21-C22-C23-C24
15	bB	835	BCR	C7-C8-C9-C10
15	bI	101	BCR	C7-C8-C9-C10
15	bJ	102	BCR	C7-C8-C9-C10
15	bJ	103	BCR	C11-C12-C13-C14
15	cA	845	BCR	C11-C12-C13-C14
15	cA	846	BCR	C7-C8-C9-C10
15	cA	848	BCR	C21-C22-C23-C24
15	cA	849	BCR	C11-C12-C13-C14
15	cA	849	BCR	C17-C18-C19-C20
15	cB	837	BCR	C21-C22-C23-C24
15	cB	838	BCR	C21-C22-C23-C24
15	cF	202	BCR	C21-C22-C23-C24
15	cK	202	BCR	C7-C8-C9-C10
15	cK	202	BCR	C21-C22-C23-C24
15	cL	205	BCR	C7-C8-C9-C10
15	cM	101	BCR	C7-C8-C9-C10
15	dA	849	BCR	C21-C22-C23-C24
15	dB	835	BCR	C7-C8-C9-C10
15	dI	101	BCR	C7-C8-C9-C10
15	dJ	102	BCR	C7-C8-C9-C10
15	dJ	103	BCR	C11-C12-C13-C14
15	dL	204	BCR	C21-C22-C23-C24
13	aA	808	CLA	C2A-CAA-CBA-CGA
13	aB	834	CLA	C2A-CAA-CBA-CGA
13	cA	808	CLA	C2A-CAA-CBA-CGA
13	cB	834	CLA	C2A-CAA-CBA-CGA
13	aA	829	CLA	O1D-CGD-O2D-CED
13	bA	828	CLA	O1A-CGA-O2A-C1
13	dA	828	CLA	O1A-CGA-O2A-C1
13	bA	833	CLA	C3-C5-C6-C7
13	dA	833	CLA	C3-C5-C6-C7
13	bB	832	CLA	C8-C10-C11-C12
13	dB	832	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
18	bB	837	LMG	C4-C5-C6-O5
18	dB	837	LMG	C4-C5-C6-O5
13	bB	828	CLA	CBA-CGA-O2A-C1
13	dB	828	CLA	CBA-CGA-O2A-C1
13	cA	829	CLA	O1D-CGD-O2D-CED
13	aA	837	CLA	O1D-CGD-O2D-CED
13	bA	837	CLA	O1D-CGD-O2D-CED
13	cA	837	CLA	O1D-CGD-O2D-CED
13	dA	837	CLA	O1D-CGD-O2D-CED
15	cJ	103	BCR	C14-C15-C16-C17
13	aA	831	CLA	C10-C11-C12-C13
13	aA	840	CLA	C8-C10-C11-C12
13	bA	820	CLA	C13-C15-C16-C17
13	bA	830	CLA	C5-C6-C7-C8
13	bA	842	CLA	C15-C16-C17-C18
13	bB	807	CLA	C13-C15-C16-C17
13	bB	825	CLA	C10-C11-C12-C13
13	cA	831	CLA	C10-C11-C12-C13
13	cA	840	CLA	C8-C10-C11-C12
13	dA	820	CLA	C13-C15-C16-C17
13	dA	830	CLA	C5-C6-C7-C8
13	dA	842	CLA	C15-C16-C17-C18
13	dB	807	CLA	C13-C15-C16-C17
13	dB	825	CLA	C10-C11-C12-C13
14	aB	835	PQN	C25-C26-C27-C28
14	bA	845	PQN	C15-C16-C17-C18
14	cB	835	PQN	C25-C26-C27-C28
14	dA	845	PQN	C15-C16-C17-C18
16	bA	852	LHG	O1-C1-C2-O2
16	dA	852	LHG	O1-C1-C2-O2
13	bB	815	CLA	O1D-CGD-O2D-CED
13	dB	815	CLA	O1D-CGD-O2D-CED
13	bA	833	CLA	O1A-CGA-O2A-C1
13	dA	833	CLA	O1A-CGA-O2A-C1
13	aB	808	CLA	C13-C15-C16-C17
13	cB	808	CLA	C13-C15-C16-C17
13	bA	811	CLA	CBD-CGD-O2D-CED
13	bA	822	CLA	CBD-CGD-O2D-CED
13	bL	203	CLA	CBD-CGD-O2D-CED
13	dA	811	CLA	CBD-CGD-O2D-CED
13	dA	822	CLA	CBD-CGD-O2D-CED
13	dL	203	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	bA	834	CLA	C6-C7-C8-C10
13	dA	834	CLA	C6-C7-C8-C10
13	aA	831	CLA	C4-C3-C5-C6
13	cA	831	CLA	C4-C3-C5-C6
13	aB	814	CLA	C8-C10-C11-C12
13	aB	833	CLA	C10-C11-C12-C13
13	bA	843	CLA	C5-C6-C7-C8
13	cB	814	CLA	C8-C10-C11-C12
13	cB	833	CLA	C10-C11-C12-C13
13	dA	843	CLA	C5-C6-C7-C8
15	aA	845	BCR	C9-C10-C11-C12
15	bA	851	BCR	C19-C20-C21-C22
15	bI	102	BCR	C13-C14-C15-C16
15	bJ	102	BCR	C9-C10-C11-C12
15	bJ	102	BCR	C13-C14-C15-C16
15	cA	845	BCR	C9-C10-C11-C12
15	dA	851	BCR	C19-C20-C21-C22
15	dI	102	BCR	C13-C14-C15-C16
15	dJ	102	BCR	C9-C10-C11-C12
15	dJ	102	BCR	C13-C14-C15-C16
13	aB	827	CLA	O1D-CGD-O2D-CED
13	cB	827	CLA	O1D-CGD-O2D-CED
13	aA	829	CLA	C8-C10-C11-C12
13	bA	826	CLA	C8-C10-C11-C12
13	cA	829	CLA	C8-C10-C11-C12
13	dA	826	CLA	C8-C10-C11-C12
13	dB	813	CLA	C8-C10-C11-C12
18	aB	839	LMG	C28-C29-C30-C31
18	cB	839	LMG	C28-C29-C30-C31
13	aA	833	CLA	O1A-CGA-O2A-C1
13	bB	817	CLA	O1A-CGA-O2A-C1
13	bB	832	CLA	O1A-CGA-O2A-C1
13	cA	833	CLA	O1A-CGA-O2A-C1
13	dB	817	CLA	O1A-CGA-O2A-C1
13	dB	832	CLA	O1A-CGA-O2A-C1
13	aB	812	CLA	CBD-CGD-O2D-CED
13	cB	812	CLA	CBD-CGD-O2D-CED
13	aA	826	CLA	C13-C15-C16-C17
13	aB	834	CLA	C10-C11-C12-C13
13	bA	812	CLA	C8-C10-C11-C12
13	bA	818	CLA	C8-C10-C11-C12
13	bA	828	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
13	bB	813	CLA	C8-C10-C11-C12
13	bB	817	CLA	C5-C6-C7-C8
13	cA	823	CLA	C8-C10-C11-C12
13	cA	826	CLA	C13-C15-C16-C17
13	cB	834	CLA	C10-C11-C12-C13
13	dA	812	CLA	C8-C10-C11-C12
13	dA	818	CLA	C8-C10-C11-C12
13	dA	828	CLA	C10-C11-C12-C13
13	dB	817	CLA	C5-C6-C7-C8
13	aA	802	CLA	C2A-CAA-CBA-CGA
13	aA	825	CLA	C2A-CAA-CBA-CGA
13	aA	826	CLA	C2A-CAA-CBA-CGA
13	aA	830	CLA	C2A-CAA-CBA-CGA
13	aA	832	CLA	C2A-CAA-CBA-CGA
13	aA	843	CLA	C3-C5-C6-C7
13	aB	806	CLA	C2A-CAA-CBA-CGA
13	aB	822	CLA	C2A-CAA-CBA-CGA
13	aB	829	CLA	C2A-CAA-CBA-CGA
13	aK	201	CLA	C2A-CAA-CBA-CGA
13	bA	823	CLA	C2A-CAA-CBA-CGA
13	bA	825	CLA	C2A-CAA-CBA-CGA
13	bA	832	CLA	C2A-CAA-CBA-CGA
13	bB	805	CLA	C2A-CAA-CBA-CGA
13	bB	821	CLA	C2A-CAA-CBA-CGA
13	bB	831	CLA	C2A-CAA-CBA-CGA
13	bL	203	CLA	C2A-CAA-CBA-CGA
13	cA	802	CLA	C2A-CAA-CBA-CGA
13	cA	825	CLA	C2A-CAA-CBA-CGA
13	cA	826	CLA	C2A-CAA-CBA-CGA
13	cA	830	CLA	C2A-CAA-CBA-CGA
13	cA	832	CLA	C2A-CAA-CBA-CGA
13	cA	843	CLA	C3-C5-C6-C7
13	cB	806	CLA	C2A-CAA-CBA-CGA
13	cB	822	CLA	C2A-CAA-CBA-CGA
13	cB	829	CLA	C2A-CAA-CBA-CGA
13	cK	201	CLA	C2A-CAA-CBA-CGA
13	dA	823	CLA	C2A-CAA-CBA-CGA
13	dA	825	CLA	C2A-CAA-CBA-CGA
13	dA	832	CLA	C2A-CAA-CBA-CGA
13	dB	805	CLA	C2A-CAA-CBA-CGA
13	dB	821	CLA	C2A-CAA-CBA-CGA
13	dB	831	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	dL	203	CLA	C2A-CAA-CBA-CGA
15	aB	837	BCR	C18-C19-C20-C21
15	aJ	102	BCR	C18-C19-C20-C21
15	aK	202	BCR	C18-C19-C20-C21
15	aL	206	BCR	C18-C19-C20-C21
15	aM	101	BCR	C18-C19-C20-C21
15	bA	849	BCR	C18-C19-C20-C21
15	bF	203	BCR	C18-C19-C20-C21
15	bI	101	BCR	C18-C19-C20-C21
15	cB	837	BCR	C18-C19-C20-C21
15	cJ	102	BCR	C18-C19-C20-C21
15	cK	202	BCR	C18-C19-C20-C21
15	cL	206	BCR	C18-C19-C20-C21
15	cM	101	BCR	C18-C19-C20-C21
15	dA	849	BCR	C18-C19-C20-C21
15	dA	850	BCR	C18-C19-C20-C21
15	dF	203	BCR	C18-C19-C20-C21
13	aA	823	CLA	C8-C10-C11-C12
13	aA	826	CLA	C15-C16-C17-C18
13	aA	830	CLA	C5-C6-C7-C8
13	aA	841	CLA	C15-C16-C17-C18
13	aB	826	CLA	C15-C16-C17-C18
13	aB	833	CLA	C8-C10-C11-C12
13	bB	811	CLA	C15-C16-C17-C18
13	bB	823	CLA	C10-C11-C12-C13
13	cA	826	CLA	C15-C16-C17-C18
13	cA	830	CLA	C5-C6-C7-C8
13	cA	841	CLA	C15-C16-C17-C18
13	cB	826	CLA	C15-C16-C17-C18
13	cB	833	CLA	C8-C10-C11-C12
13	dB	811	CLA	C15-C16-C17-C18
13	dB	823	CLA	C10-C11-C12-C13
18	bB	837	LMG	C10-C11-C12-C13
18	dB	837	LMG	C10-C11-C12-C13
13	aB	834	CLA	O1A-CGA-O2A-C1
13	bB	806	CLA	O1A-CGA-O2A-C1
13	cB	834	CLA	O1A-CGA-O2A-C1
13	dB	806	CLA	O1A-CGA-O2A-C1
13	aA	806	CLA	C13-C15-C16-C17
13	aA	831	CLA	C13-C15-C16-C17
13	aA	834	CLA	C15-C16-C17-C18
13	aA	840	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
13	aB	826	CLA	C5-C6-C7-C8
13	bA	806	CLA	C15-C16-C17-C18
13	bA	809	CLA	C8-C10-C11-C12
13	bA	826	CLA	C15-C16-C17-C18
13	bA	827	CLA	C5-C6-C7-C8
13	bA	835	CLA	C5-C6-C7-C8
13	bA	835	CLA	C15-C16-C17-C18
13	bB	818	CLA	C8-C10-C11-C12
13	bB	822	CLA	C10-C11-C12-C13
13	bB	823	CLA	C8-C10-C11-C12
13	bB	825	CLA	C5-C6-C7-C8
13	cA	806	CLA	C13-C15-C16-C17
13	cA	831	CLA	C13-C15-C16-C17
13	cA	834	CLA	C15-C16-C17-C18
13	cA	840	CLA	C10-C11-C12-C13
13	cB	826	CLA	C5-C6-C7-C8
13	dA	806	CLA	C15-C16-C17-C18
13	dA	809	CLA	C8-C10-C11-C12
13	dA	826	CLA	C15-C16-C17-C18
13	dA	827	CLA	C5-C6-C7-C8
13	dA	835	CLA	C5-C6-C7-C8
13	dA	835	CLA	C15-C16-C17-C18
13	dB	818	CLA	C8-C10-C11-C12
13	dB	822	CLA	C10-C11-C12-C13
13	dB	823	CLA	C8-C10-C11-C12
13	dB	825	CLA	C5-C6-C7-C8
13	aB	827	CLA	O1A-CGA-O2A-C1
13	bB	830	CLA	O1A-CGA-O2A-C1
13	cB	827	CLA	O1A-CGA-O2A-C1
13	dB	830	CLA	O1A-CGA-O2A-C1
18	bB	837	LMG	C28-C29-C30-C31
18	dB	837	LMG	C28-C29-C30-C31
13	bB	802	CLA	C8-C10-C11-C12
13	dB	802	CLA	C8-C10-C11-C12
13	aB	830	CLA	O1D-CGD-O2D-CED
13	cB	830	CLA	O1D-CGD-O2D-CED
13	bA	805	CLA	O1D-CGD-O2D-CED
13	bA	843	CLA	O1D-CGD-O2D-CED
13	bB	821	CLA	O1D-CGD-O2D-CED
13	bL	202	CLA	O1D-CGD-O2D-CED
13	dA	843	CLA	O1D-CGD-O2D-CED
13	dB	821	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	dL	202	CLA	O1D-CGD-O2D-CED
13	aA	812	CLA	C10-C11-C12-C13
13	aA	820	CLA	C13-C15-C16-C17
13	aA	827	CLA	C5-C6-C7-C8
13	bA	826	CLA	C10-C11-C12-C13
13	bA	829	CLA	C8-C10-C11-C12
13	cA	812	CLA	C10-C11-C12-C13
13	cA	820	CLA	C13-C15-C16-C17
13	cA	827	CLA	C5-C6-C7-C8
13	dA	826	CLA	C10-C11-C12-C13
13	dA	829	CLA	C8-C10-C11-C12
13	bA	829	CLA	C2-C3-C5-C6
13	dA	829	CLA	C2-C3-C5-C6
13	aB	817	CLA	O1D-CGD-O2D-CED
13	cB	817	CLA	O1D-CGD-O2D-CED
13	dA	805	CLA	O1D-CGD-O2D-CED
13	aA	802	CLA	C13-C15-C16-C17
13	aA	809	CLA	C5-C6-C7-C8
13	aA	842	CLA	C8-C10-C11-C12
13	bB	821	CLA	C5-C6-C7-C8
13	cA	802	CLA	C13-C15-C16-C17
13	cA	809	CLA	C5-C6-C7-C8
13	cA	842	CLA	C8-C10-C11-C12
13	dB	821	CLA	C5-C6-C7-C8
13	dB	825	CLA	C15-C16-C17-C18
14	aA	844	PQN	C18-C20-C21-C22
13	aA	818	CLA	CBA-CGA-O2A-C1
13	aA	838	CLA	CBA-CGA-O2A-C1
13	aB	822	CLA	CBA-CGA-O2A-C1
13	bA	808	CLA	CBA-CGA-O2A-C1
13	bA	821	CLA	CBA-CGA-O2A-C1
13	cA	818	CLA	CBA-CGA-O2A-C1
13	cA	838	CLA	CBA-CGA-O2A-C1
13	cB	822	CLA	CBA-CGA-O2A-C1
13	dA	808	CLA	CBA-CGA-O2A-C1
13	dA	821	CLA	CBA-CGA-O2A-C1
13	aL	203	CLA	C8-C10-C11-C12
13	bB	825	CLA	C15-C16-C17-C18
13	cL	203	CLA	C8-C10-C11-C12
14	bA	845	PQN	C20-C21-C22-C23
14	cA	844	PQN	C18-C20-C21-C22
13	aB	820	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	cB	820	CLA	O1A-CGA-O2A-C1
15	aF	203	BCR	C15-C16-C17-C18
15	aM	101	BCR	C9-C10-C11-C12
15	cF	203	BCR	C15-C16-C17-C18
15	cM	101	BCR	C9-C10-C11-C12
13	bL	202	CLA	C8-C10-C11-C12
13	dL	202	CLA	C8-C10-C11-C12
14	dA	845	PQN	C20-C21-C22-C23
13	bA	802	CLA	C2A-CAA-CBA-CGA
13	bA	819	CLA	C2A-CAA-CBA-CGA
13	bA	834	CLA	C2A-CAA-CBA-CGA
13	bB	827	CLA	C2A-CAA-CBA-CGA
13	bB	832	CLA	C2A-CAA-CBA-CGA
13	dA	802	CLA	C2A-CAA-CBA-CGA
13	dA	819	CLA	C2A-CAA-CBA-CGA
13	dA	834	CLA	C2A-CAA-CBA-CGA
13	dB	827	CLA	C2A-CAA-CBA-CGA
13	dB	832	CLA	C2A-CAA-CBA-CGA
13	bA	806	CLA	CBA-CGA-O2A-C1
13	bB	825	CLA	CBA-CGA-O2A-C1
13	dA	806	CLA	CBA-CGA-O2A-C1
13	dB	825	CLA	CBA-CGA-O2A-C1
15	aA	849	BCR	C14-C15-C16-C17
15	aJ	103	BCR	C14-C15-C16-C17
15	bM	101	BCR	C14-C15-C16-C17
15	cA	849	BCR	C14-C15-C16-C17
15	dM	101	BCR	C14-C15-C16-C17
13	aA	812	CLA	C8-C10-C11-C12
13	aA	826	CLA	C5-C6-C7-C8
13	aB	823	CLA	C8-C10-C11-C12
13	bA	820	CLA	C10-C11-C12-C13
13	bA	826	CLA	C13-C15-C16-C17
13	bA	828	CLA	C15-C16-C17-C18
13	bA	829	CLA	C13-C15-C16-C17
13	bA	834	CLA	C15-C16-C17-C18
13	bB	809	CLA	C13-C15-C16-C17
13	bB	822	CLA	C8-C10-C11-C12
13	cA	812	CLA	C8-C10-C11-C12
13	cA	826	CLA	C5-C6-C7-C8
13	cB	823	CLA	C8-C10-C11-C12
13	dA	820	CLA	C10-C11-C12-C13
13	dA	826	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
13	dA	828	CLA	C15-C16-C17-C18
13	dA	829	CLA	C13-C15-C16-C17
13	dA	834	CLA	C15-C16-C17-C18
13	dB	809	CLA	C13-C15-C16-C17
13	dB	822	CLA	C8-C10-C11-C12
13	aB	816	CLA	O1D-CGD-O2D-CED
13	cB	816	CLA	O1D-CGD-O2D-CED
13	aA	809	CLA	C8-C10-C11-C12
13	bA	834	CLA	C13-C15-C16-C17
13	bB	804	CLA	C8-C10-C11-C12
13	bB	813	CLA	C5-C6-C7-C8
13	bB	829	CLA	C5-C6-C7-C8
13	cA	809	CLA	C8-C10-C11-C12
13	dA	834	CLA	C13-C15-C16-C17
13	dB	804	CLA	C8-C10-C11-C12
13	dB	813	CLA	C5-C6-C7-C8
13	dB	829	CLA	C5-C6-C7-C8
13	aB	810	CLA	C13-C15-C16-C17
13	aB	824	CLA	C5-C6-C7-C8
13	bA	834	CLA	C10-C11-C12-C13
13	cB	810	CLA	C13-C15-C16-C17
13	cB	824	CLA	C5-C6-C7-C8
13	dA	834	CLA	C10-C11-C12-C13
13	aL	203	CLA	CBA-CGA-O2A-C1
13	cL	203	CLA	CBA-CGA-O2A-C1
13	aA	813	CLA	C4-C3-C5-C6
13	cA	813	CLA	C4-C3-C5-C6
13	aB	831	CLA	C3-C5-C6-C7
13	cB	831	CLA	C3-C5-C6-C7
13	aB	818	CLA	C6-C7-C8-C9
13	aA	810	CLA	O1D-CGD-O2D-CED
13	cA	810	CLA	O1D-CGD-O2D-CED
13	aB	808	CLA	C10-C11-C12-C13
13	aB	822	CLA	C13-C15-C16-C17
13	cB	808	CLA	C10-C11-C12-C13
13	cB	822	CLA	C13-C15-C16-C17
13	aA	807	CLA	CBA-CGA-O2A-C1
13	aF	201	CLA	CBA-CGA-O2A-C1
13	cA	807	CLA	CBA-CGA-O2A-C1
16	bA	853	LHG	C24-C23-O8-C6
16	dA	853	LHG	C24-C23-O8-C6
15	aA	846	BCR	C16-C17-C18-C36

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Mol	Chain	Res	Type	Atoms
15	aA	847	BCR	C20-C21-C22-C37
15	aA	849	BCR	C11-C10-C9-C34
15	aB	836	BCR	C35-C13-C14-C15
15	aB	837	BCR	C35-C13-C14-C15
15	aB	838	BCR	C11-C10-C9-C34
15	aF	203	BCR	C35-C13-C14-C15
15	aF	203	BCR	C20-C21-C22-C37
15	aJ	102	BCR	C11-C10-C9-C34
15	aJ	102	BCR	C35-C13-C14-C15
15	aJ	102	BCR	C16-C17-C18-C36
15	aJ	103	BCR	C20-C21-C22-C37
15	aK	202	BCR	C16-C17-C18-C36
15	aK	205	BCR	C35-C13-C14-C15
15	aK	205	BCR	C16-C17-C18-C36
15	aL	201	BCR	C16-C17-C18-C36
15	bA	846	BCR	C35-C13-C14-C15
15	bA	850	BCR	C20-C21-C22-C37
15	bA	851	BCR	C11-C10-C9-C34
15	bA	851	BCR	C35-C13-C14-C15
15	bA	851	BCR	C20-C21-C22-C37
15	bB	835	BCR	C35-C13-C14-C15
15	bB	836	BCR	C20-C21-C22-C37
15	bI	101	BCR	C20-C21-C22-C37
15	bJ	103	BCR	C11-C10-C9-C34
15	cA	846	BCR	C16-C17-C18-C36
15	cA	847	BCR	C20-C21-C22-C37
15	cA	849	BCR	C11-C10-C9-C34
15	cB	836	BCR	C35-C13-C14-C15
15	cB	837	BCR	C35-C13-C14-C15
15	cB	838	BCR	C11-C10-C9-C34
15	cF	203	BCR	C35-C13-C14-C15
15	cF	203	BCR	C20-C21-C22-C37
15	cJ	102	BCR	C11-C10-C9-C34
15	cJ	102	BCR	C35-C13-C14-C15
15	cJ	102	BCR	C16-C17-C18-C36
15	cJ	103	BCR	C20-C21-C22-C37
15	cK	202	BCR	C16-C17-C18-C36
15	cL	201	BCR	C16-C17-C18-C36
15	dA	846	BCR	C35-C13-C14-C15
15	dA	850	BCR	C20-C21-C22-C37
15	dA	851	BCR	C11-C10-C9-C34
15	dA	851	BCR	C35-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
15	dA	851	BCR	C20-C21-C22-C37
15	dB	835	BCR	C35-C13-C14-C15
15	dB	836	BCR	C20-C21-C22-C37
15	dI	101	BCR	C20-C21-C22-C37
15	dJ	103	BCR	C11-C10-C9-C34
15	dL	201	BCR	C35-C13-C14-C15
15	dL	204	BCR	C35-C13-C14-C15
15	dL	204	BCR	C16-C17-C18-C36
13	bA	804	CLA	CBD-CGD-O2D-CED
13	dA	804	CLA	CBD-CGD-O2D-CED
15	aA	849	BCR	C11-C12-C13-C35
15	aA	849	BCR	C37-C22-C23-C24
15	aB	837	BCR	C7-C8-C9-C34
15	aL	206	BCR	C37-C22-C23-C24
15	bA	850	BCR	C36-C18-C19-C20
15	bB	834	BCR	C37-C22-C23-C24
15	bI	102	BCR	C36-C18-C19-C20
15	bJ	103	BCR	C37-C22-C23-C24
15	cA	849	BCR	C11-C12-C13-C35
15	cA	849	BCR	C37-C22-C23-C24
15	cL	206	BCR	C37-C22-C23-C24
15	dB	834	BCR	C37-C22-C23-C24
15	dI	102	BCR	C36-C18-C19-C20
15	dJ	103	BCR	C37-C22-C23-C24
15	aI	101	BCR	C7-C8-C9-C10
15	aJ	102	BCR	C21-C22-C23-C24
15	aL	205	BCR	C21-C22-C23-C24
15	aL	206	BCR	C11-C12-C13-C14
15	bF	203	BCR	C21-C22-C23-C24
15	cI	101	BCR	C7-C8-C9-C10
15	cJ	102	BCR	C21-C22-C23-C24
15	cL	205	BCR	C21-C22-C23-C24
15	cL	206	BCR	C11-C12-C13-C14
15	dF	203	BCR	C21-C22-C23-C24
13	aA	810	CLA	C2A-CAA-CBA-CGA
13	bA	803	CLA	C2A-CAA-CBA-CGA
13	bA	804	CLA	C2A-CAA-CBA-CGA
13	bA	816	CLA	C2A-CAA-CBA-CGA
13	bA	826	CLA	C2A-CAA-CBA-CGA
13	cA	810	CLA	C2A-CAA-CBA-CGA
13	cA	813	CLA	C2A-CAA-CBA-CGA
13	dA	803	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	dA	804	CLA	C2A-CAA-CBA-CGA
13	dA	816	CLA	C2A-CAA-CBA-CGA
13	dA	826	CLA	C2A-CAA-CBA-CGA
13	aB	831	CLA	C13-C15-C16-C17
13	cB	831	CLA	C13-C15-C16-C17
16	aA	850	LHG	O1-C1-C2-C3
16	aA	851	LHG	O1-C1-C2-C3
16	bA	852	LHG	O1-C1-C2-C3
16	bA	853	LHG	O1-C1-C2-C3
16	cA	850	LHG	O1-C1-C2-C3
16	cA	851	LHG	O1-C1-C2-C3
16	dA	852	LHG	O1-C1-C2-C3
16	dA	853	LHG	O1-C1-C2-C3
13	cA	820	CLA	O1D-CGD-O2D-CED
13	cF	201	CLA	CBA-CGA-O2A-C1
13	aA	822	CLA	C16-C17-C18-C19
13	bA	842	CLA	C16-C17-C18-C20
13	cA	822	CLA	C16-C17-C18-C19
13	dA	842	CLA	C16-C17-C18-C20
13	aA	820	CLA	O1D-CGD-O2D-CED
13	aA	818	CLA	O1A-CGA-O2A-C1
13	cA	818	CLA	O1A-CGA-O2A-C1
13	aA	833	CLA	C3-C5-C6-C7
13	aB	803	CLA	C3-C5-C6-C7
13	aB	804	CLA	C3-C5-C6-C7
13	aB	833	CLA	C3-C5-C6-C7
13	bB	803	CLA	C3-C5-C6-C7
13	cA	833	CLA	C3-C5-C6-C7
13	cB	803	CLA	C3-C5-C6-C7
13	cB	804	CLA	C3-C5-C6-C7
13	cB	833	CLA	C3-C5-C6-C7
13	dB	803	CLA	C3-C5-C6-C7
13	bB	807	CLA	C10-C11-C12-C13
13	dB	807	CLA	C10-C11-C12-C13
15	aA	845	BCR	C12-C13-C14-C15
15	aA	845	BCR	C16-C17-C18-C19
15	aA	845	BCR	C20-C21-C22-C23
15	aA	846	BCR	C12-C13-C14-C15
15	aA	846	BCR	C16-C17-C18-C19
15	aA	849	BCR	C16-C17-C18-C19
15	aB	838	BCR	C16-C17-C18-C19
15	aB	838	BCR	C20-C21-C22-C23

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Mol	Chain	Res	Type	Atoms
15	aF	203	BCR	C16-C17-C18-C19
15	aI	101	BCR	C20-C21-C22-C23
15	aJ	102	BCR	C12-C13-C14-C15
15	aJ	102	BCR	C16-C17-C18-C19
15	aK	205	BCR	C16-C17-C18-C19
15	aL	205	BCR	C11-C10-C9-C8
15	aL	205	BCR	C12-C13-C14-C15
15	aL	206	BCR	C16-C17-C18-C19
15	bA	847	BCR	C11-C10-C9-C8
15	bA	849	BCR	C12-C13-C14-C15
15	bA	849	BCR	C20-C21-C22-C23
15	bB	835	BCR	C12-C13-C14-C15
15	bB	836	BCR	C12-C13-C14-C15
15	bF	202	BCR	C11-C10-C9-C8
15	bF	203	BCR	C20-C21-C22-C23
15	bJ	104	BCR	C16-C17-C18-C19
15	bL	201	BCR	C11-C10-C9-C8
15	bM	101	BCR	C16-C17-C18-C19
15	bM	101	BCR	C20-C21-C22-C23
15	cA	845	BCR	C12-C13-C14-C15
15	cA	845	BCR	C16-C17-C18-C19
15	cA	845	BCR	C20-C21-C22-C23
15	cA	846	BCR	C12-C13-C14-C15
15	cA	846	BCR	C16-C17-C18-C19
15	cA	849	BCR	C16-C17-C18-C19
15	cB	837	BCR	C12-C13-C14-C15
15	cB	838	BCR	C16-C17-C18-C19
15	cB	838	BCR	C20-C21-C22-C23
15	cF	203	BCR	C16-C17-C18-C19
15	cI	101	BCR	C20-C21-C22-C23
15	cJ	102	BCR	C12-C13-C14-C15
15	cJ	102	BCR	C16-C17-C18-C19
15	cL	205	BCR	C11-C10-C9-C8
15	cL	205	BCR	C12-C13-C14-C15
15	cL	206	BCR	C16-C17-C18-C19
15	dA	847	BCR	C11-C10-C9-C8
15	dA	849	BCR	C12-C13-C14-C15
15	dA	849	BCR	C20-C21-C22-C23
15	dB	835	BCR	C12-C13-C14-C15
15	dB	836	BCR	C12-C13-C14-C15
15	dF	202	BCR	C11-C10-C9-C8
15	dF	203	BCR	C20-C21-C22-C23

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Mol	Chain	Res	Type	Atoms
15	dJ	104	BCR	C16-C17-C18-C19
15	dL	201	BCR	C11-C10-C9-C8
15	dL	204	BCR	C16-C17-C18-C19
15	dM	101	BCR	C16-C17-C18-C19
15	dM	101	BCR	C20-C21-C22-C23
13	aA	819	CLA	CBD-CGD-O2D-CED
13	aB	803	CLA	C8-C10-C11-C12
13	bB	823	CLA	C5-C6-C7-C8
13	cB	803	CLA	C8-C10-C11-C12
13	dB	823	CLA	C5-C6-C7-C8
13	aB	808	CLA	O1D-CGD-O2D-CED
13	aL	203	CLA	O1D-CGD-O2D-CED
13	bB	807	CLA	O1D-CGD-O2D-CED
13	cB	808	CLA	O1D-CGD-O2D-CED
13	cL	203	CLA	O1D-CGD-O2D-CED
13	dB	807	CLA	O1D-CGD-O2D-CED
13	dB	825	CLA	O1A-CGA-O2A-C1
13	bB	825	CLA	O1D-CGD-O2D-CED
13	bB	832	CLA	O1D-CGD-O2D-CED
13	dB	825	CLA	O1D-CGD-O2D-CED
13	aB	824	CLA	CBA-CGA-O2A-C1
13	cB	824	CLA	CBA-CGA-O2A-C1
13	aA	840	CLA	C5-C6-C7-C8
13	bB	808	CLA	C15-C16-C17-C18
13	cA	840	CLA	C5-C6-C7-C8
13	dB	808	CLA	C15-C16-C17-C18
13	dB	832	CLA	C13-C15-C16-C17
13	cA	819	CLA	CBD-CGD-O2D-CED
13	aA	827	CLA	C3-C5-C6-C7
13	cA	827	CLA	C3-C5-C6-C7
13	dB	832	CLA	O1D-CGD-O2D-CED
13	aA	843	CLA	C2-C1-O2A-CGA
13	bL	202	CLA	C2-C1-O2A-CGA
13	cA	843	CLA	C2-C1-O2A-CGA
13	dL	202	CLA	C2-C1-O2A-CGA
13	bB	823	CLA	C16-C17-C18-C20
13	bB	832	CLA	C16-C17-C18-C19
13	dB	823	CLA	C16-C17-C18-C20
13	dB	832	CLA	C16-C17-C18-C19
13	bA	821	CLA	O1A-CGA-O2A-C1
13	bB	825	CLA	O1A-CGA-O2A-C1
13	dA	821	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	bB	832	CLA	C13-C15-C16-C17
13	bL	202	CLA	C15-C16-C17-C18
13	cB	811	CLA	C15-C16-C17-C18
13	dL	202	CLA	C15-C16-C17-C18
14	aA	844	PQN	C20-C21-C22-C23
14	cA	844	PQN	C20-C21-C22-C23
15	aJ	102	BCR	C14-C15-C16-C17
15	aJ	104	BCR	C14-C15-C16-C17
15	bA	850	BCR	C14-C15-C16-C17
15	cJ	102	BCR	C14-C15-C16-C17
15	cJ	104	BCR	C14-C15-C16-C17
15	dA	850	BCR	C14-C15-C16-C17
16	bA	852	LHG	C26-C27-C28-C29
16	dA	852	LHG	C26-C27-C28-C29
18	aB	839	LMG	C16-C17-C18-C19
18	cB	839	LMG	C16-C17-C18-C19
13	aA	806	CLA	O1D-CGD-O2D-CED
13	cA	806	CLA	O1D-CGD-O2D-CED
13	bA	841	CLA	C8-C10-C11-C12
13	bB	806	CLA	C13-C15-C16-C17
13	dA	841	CLA	C8-C10-C11-C12
13	dB	806	CLA	C13-C15-C16-C17
18	bB	837	LMG	C38-C39-C40-C41
18	cB	839	LMG	C34-C35-C36-C37
18	dB	837	LMG	C38-C39-C40-C41
13	aA	838	CLA	O1A-CGA-O2A-C1
13	bA	808	CLA	O1A-CGA-O2A-C1
13	cA	838	CLA	O1A-CGA-O2A-C1
13	bL	202	CLA	CBA-CGA-O2A-C1
18	aB	839	LMG	C34-C35-C36-C37
16	aA	851	LHG	O1-C1-C2-O2
16	bA	853	LHG	O1-C1-C2-O2
16	cA	851	LHG	O1-C1-C2-O2
16	dA	853	LHG	O1-C1-C2-O2
13	aA	836	CLA	C5-C6-C7-C8
13	cA	836	CLA	C5-C6-C7-C8
18	aB	839	LMG	C39-C40-C41-C42
18	cB	839	LMG	C39-C40-C41-C42
13	aB	815	CLA	O1D-CGD-O2D-CED
13	aA	840	CLA	C13-C15-C16-C17
13	aB	811	CLA	C15-C16-C17-C18
13	cA	840	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
13	aA	808	CLA	C4B-C3B-CAB-CBB
13	aA	812	CLA	C4B-C3B-CAB-CBB
13	aA	816	CLA	C4B-C3B-CAB-CBB
13	aA	825	CLA	C4B-C3B-CAB-CBB
13	aA	827	CLA	C4B-C3B-CAB-CBB
13	aA	830	CLA	C4B-C3B-CAB-CBB
13	aB	801	CLA	C4B-C3B-CAB-CBB
13	aB	805	CLA	C4B-C3B-CAB-CBB
13	aB	814	CLA	C4B-C3B-CAB-CBB
13	aB	830	CLA	C4B-C3B-CAB-CBB
13	aB	834	CLA	C4B-C3B-CAB-CBB
13	aK	201	CLA	C4B-C3B-CAB-CBB
13	bA	812	CLA	C4B-C3B-CAB-CBB
13	bA	818	CLA	C4B-C3B-CAB-CBB
13	bA	842	CLA	C4B-C3B-CAB-CBB
13	bB	804	CLA	C4B-C3B-CAB-CBB
13	bB	807	CLA	C4B-C3B-CAB-CBB
13	bB	811	CLA	C4B-C3B-CAB-CBB
13	bB	821	CLA	C4B-C3B-CAB-CBB
13	bB	824	CLA	C4B-C3B-CAB-CBB
13	bB	826	CLA	C4B-C3B-CAB-CBB
13	cA	808	CLA	C4B-C3B-CAB-CBB
13	cA	811	CLA	C4B-C3B-CAB-CBB
13	cA	812	CLA	C4B-C3B-CAB-CBB
13	cA	816	CLA	C4B-C3B-CAB-CBB
13	cA	825	CLA	C4B-C3B-CAB-CBB
13	cA	827	CLA	C4B-C3B-CAB-CBB
13	cA	830	CLA	C4B-C3B-CAB-CBB
13	cB	801	CLA	C4B-C3B-CAB-CBB
13	cB	805	CLA	C4B-C3B-CAB-CBB
13	cB	814	CLA	C4B-C3B-CAB-CBB
13	cB	830	CLA	C4B-C3B-CAB-CBB
13	cB	834	CLA	C4B-C3B-CAB-CBB
13	cK	201	CLA	C4B-C3B-CAB-CBB
13	dA	812	CLA	C4B-C3B-CAB-CBB
13	dA	818	CLA	C4B-C3B-CAB-CBB
13	dA	842	CLA	C4B-C3B-CAB-CBB
13	dB	804	CLA	C4B-C3B-CAB-CBB
13	dB	807	CLA	C4B-C3B-CAB-CBB
13	dB	811	CLA	C4B-C3B-CAB-CBB
13	dB	821	CLA	C4B-C3B-CAB-CBB
13	dB	824	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	dB	826	CLA	C4B-C3B-CAB-CBB
13	aB	830	CLA	CBA-CGA-O2A-C1
13	cB	830	CLA	CBA-CGA-O2A-C1
13	aA	822	CLA	C16-C17-C18-C20
13	bA	842	CLA	C16-C17-C18-C19
13	cA	822	CLA	C16-C17-C18-C20
13	dA	842	CLA	C16-C17-C18-C19
13	cB	815	CLA	O1D-CGD-O2D-CED
13	dA	808	CLA	O1A-CGA-O2A-C1
13	aA	813	CLA	C2A-CAA-CBA-CGA
13	aA	817	CLA	C2A-CAA-CBA-CGA
13	bB	817	CLA	C2A-CAA-CBA-CGA
13	cA	817	CLA	C2A-CAA-CBA-CGA
13	dB	817	CLA	C2A-CAA-CBA-CGA
13	aA	823	CLA	C10-C11-C12-C13
13	aA	829	CLA	C13-C15-C16-C17
13	bB	831	CLA	C8-C10-C11-C12
13	cA	823	CLA	C10-C11-C12-C13
13	cA	829	CLA	C13-C15-C16-C17
13	dB	831	CLA	C8-C10-C11-C12
13	dL	202	CLA	CBA-CGA-O2A-C1
13	aA	831	CLA	C8-C10-C11-C12
13	aB	805	CLA	C8-C10-C11-C12
13	aB	807	CLA	C13-C15-C16-C17
13	bA	843	CLA	C13-C15-C16-C17
13	bB	822	CLA	C5-C6-C7-C8
13	cA	831	CLA	C8-C10-C11-C12
13	cB	805	CLA	C8-C10-C11-C12
13	cB	807	CLA	C13-C15-C16-C17
13	dA	843	CLA	C13-C15-C16-C17
13	dB	822	CLA	C5-C6-C7-C8
13	aB	822	CLA	O1A-CGA-O2A-C1
13	cB	822	CLA	O1A-CGA-O2A-C1
13	bA	820	CLA	C3-C5-C6-C7
13	bB	802	CLA	C3-C5-C6-C7
13	dA	820	CLA	C3-C5-C6-C7
13	dB	802	CLA	C3-C5-C6-C7
13	aA	804	CLA	C3A-C2A-CAA-CBA
13	aA	807	CLA	C3A-C2A-CAA-CBA
13	aA	833	CLA	C3A-C2A-CAA-CBA
13	aA	838	CLA	C3A-C2A-CAA-CBA
13	aA	842	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	aB	817	CLA	C3A-C2A-CAA-CBA
13	aB	827	CLA	C3A-C2A-CAA-CBA
13	aB	830	CLA	C3A-C2A-CAA-CBA
13	bA	804	CLA	C3A-C2A-CAA-CBA
13	bA	807	CLA	C3A-C2A-CAA-CBA
13	bA	833	CLA	C3A-C2A-CAA-CBA
13	bA	838	CLA	C3A-C2A-CAA-CBA
13	bB	826	CLA	C3A-C2A-CAA-CBA
13	bF	201	CLA	C3A-C2A-CAA-CBA
13	bL	203	CLA	C3A-C2A-CAA-CBA
13	cA	804	CLA	C3A-C2A-CAA-CBA
13	cA	807	CLA	C3A-C2A-CAA-CBA
13	cA	833	CLA	C3A-C2A-CAA-CBA
13	cA	838	CLA	C3A-C2A-CAA-CBA
13	cA	842	CLA	C3A-C2A-CAA-CBA
13	cB	817	CLA	C3A-C2A-CAA-CBA
13	cB	827	CLA	C3A-C2A-CAA-CBA
13	cB	830	CLA	C3A-C2A-CAA-CBA
13	dA	804	CLA	C3A-C2A-CAA-CBA
13	dA	807	CLA	C3A-C2A-CAA-CBA
13	dA	833	CLA	C3A-C2A-CAA-CBA
13	dA	838	CLA	C3A-C2A-CAA-CBA
13	dB	826	CLA	C3A-C2A-CAA-CBA
13	dF	201	CLA	C3A-C2A-CAA-CBA
13	dL	203	CLA	C3A-C2A-CAA-CBA
13	bA	840	CLA	O1D-CGD-O2D-CED
13	bB	809	CLA	O1D-CGD-O2D-CED
13	dA	840	CLA	O1D-CGD-O2D-CED
13	dB	809	CLA	O1D-CGD-O2D-CED
16	aA	850	LHG	C31-C32-C33-C34
16	cA	850	LHG	C31-C32-C33-C34
13	aB	834	CLA	C15-C16-C17-C18
13	bA	809	CLA	C10-C11-C12-C13
13	bA	809	CLA	C13-C15-C16-C17
13	cB	834	CLA	C15-C16-C17-C18
13	dA	809	CLA	C10-C11-C12-C13
13	dA	809	CLA	C13-C15-C16-C17
13	aB	810	CLA	O1D-CGD-O2D-CED
13	cB	810	CLA	O1D-CGD-O2D-CED
15	bJ	104	BCR	C15-C16-C17-C18
15	dJ	104	BCR	C15-C16-C17-C18
13	aL	203	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	cL	203	CLA	O1A-CGA-O2A-C1
16	bA	852	LHG	O9-C7-O7-C5
16	dA	852	LHG	O9-C7-O7-C5
13	cK	203	CLA	O1D-CGD-O2D-CED
13	aA	809	CLA	CBA-CGA-O2A-C1
13	bA	809	CLA	CBA-CGA-O2A-C1
13	bA	838	CLA	CBA-CGA-O2A-C1
13	cA	809	CLA	CBA-CGA-O2A-C1
13	dA	809	CLA	CBA-CGA-O2A-C1
13	dA	838	CLA	CBA-CGA-O2A-C1
13	dA	827	CLA	C3-C5-C6-C7
13	aK	203	CLA	O1D-CGD-O2D-CED
16	bA	852	LHG	C31-C32-C33-C34
16	dA	852	LHG	C31-C32-C33-C34
13	bA	806	CLA	O1A-CGA-O2A-C1
13	aA	833	CLA	C5-C6-C7-C8
13	aB	833	CLA	O1D-CGD-O2D-CED
13	cB	833	CLA	O1D-CGD-O2D-CED
13	bB	823	CLA	C16-C17-C18-C19
13	dB	823	CLA	C16-C17-C18-C19
13	aA	807	CLA	O1A-CGA-O2A-C1
13	cA	807	CLA	O1A-CGA-O2A-C1
13	aA	805	CLA	C2B-C3B-CAB-CBB
13	aA	808	CLA	C2B-C3B-CAB-CBB
13	aA	811	CLA	C2B-C3B-CAB-CBB
13	aA	812	CLA	C2B-C3B-CAB-CBB
13	aA	813	CLA	C2B-C3B-CAB-CBB
13	aA	825	CLA	C2B-C3B-CAB-CBB
13	aA	835	CLA	C2B-C3B-CAB-CBB
13	aB	801	CLA	C2B-C3B-CAB-CBB
13	aB	808	CLA	C2B-C3B-CAB-CBB
13	aB	813	CLA	C2B-C3B-CAB-CBB
13	aB	814	CLA	C2B-C3B-CAB-CBB
13	aB	830	CLA	C2B-C3B-CAB-CBB
13	aB	834	CLA	C2B-C3B-CAB-CBB
13	aF	204	CLA	C2B-C3B-CAB-CBB
13	aK	201	CLA	C2B-C3B-CAB-CBB
13	bA	808	CLA	C2B-C3B-CAB-CBB
13	bA	812	CLA	C2B-C3B-CAB-CBB
13	bA	818	CLA	C2B-C3B-CAB-CBB
13	bA	822	CLA	C2B-C3B-CAB-CBB
13	bA	827	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	bA	833	CLA	C2B-C3B-CAB-CBB
13	bA	842	CLA	C2B-C3B-CAB-CBB
13	bA	844	CLA	C2B-C3B-CAB-CBB
13	bB	803	CLA	C2B-C3B-CAB-CBB
13	bB	807	CLA	C2B-C3B-CAB-CBB
13	bB	810	CLA	C2B-C3B-CAB-CBB
13	bB	811	CLA	C2B-C3B-CAB-CBB
13	bB	812	CLA	C2B-C3B-CAB-CBB
13	bB	826	CLA	C2B-C3B-CAB-CBB
13	bJ	101	CLA	C2B-C3B-CAB-CBB
13	bL	202	CLA	C2B-C3B-CAB-CBB
13	cA	805	CLA	C2B-C3B-CAB-CBB
13	cA	808	CLA	C2B-C3B-CAB-CBB
13	cA	811	CLA	C2B-C3B-CAB-CBB
13	cA	812	CLA	C2B-C3B-CAB-CBB
13	cA	813	CLA	C2B-C3B-CAB-CBB
13	cA	825	CLA	C2B-C3B-CAB-CBB
13	cA	835	CLA	C2B-C3B-CAB-CBB
13	cB	801	CLA	C2B-C3B-CAB-CBB
13	cB	808	CLA	C2B-C3B-CAB-CBB
13	cB	813	CLA	C2B-C3B-CAB-CBB
13	cB	814	CLA	C2B-C3B-CAB-CBB
13	cB	830	CLA	C2B-C3B-CAB-CBB
13	cB	834	CLA	C2B-C3B-CAB-CBB
13	cF	201	CLA	C2B-C3B-CAB-CBB
13	cF	204	CLA	C2B-C3B-CAB-CBB
13	cK	201	CLA	C2B-C3B-CAB-CBB
13	dA	808	CLA	C2B-C3B-CAB-CBB
13	dA	812	CLA	C2B-C3B-CAB-CBB
13	dA	818	CLA	C2B-C3B-CAB-CBB
13	dA	822	CLA	C2B-C3B-CAB-CBB
13	dA	827	CLA	C2B-C3B-CAB-CBB
13	dA	833	CLA	C2B-C3B-CAB-CBB
13	dA	842	CLA	C2B-C3B-CAB-CBB
13	dA	844	CLA	C2B-C3B-CAB-CBB
13	dB	803	CLA	C2B-C3B-CAB-CBB
13	dB	807	CLA	C2B-C3B-CAB-CBB
13	dB	810	CLA	C2B-C3B-CAB-CBB
13	dB	811	CLA	C2B-C3B-CAB-CBB
13	dB	812	CLA	C2B-C3B-CAB-CBB
13	dB	826	CLA	C2B-C3B-CAB-CBB
13	dJ	101	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	dL	202	CLA	C2B-C3B-CAB-CBB
15	aA	847	BCR	C23-C24-C25-C26
15	aA	847	BCR	C23-C24-C25-C30
15	aA	849	BCR	C1-C6-C7-C8
15	aA	849	BCR	C23-C24-C25-C30
15	aB	836	BCR	C23-C24-C25-C30
15	aJ	104	BCR	C23-C24-C25-C26
15	aJ	104	BCR	C23-C24-C25-C30
15	aL	201	BCR	C23-C24-C25-C30
15	aM	101	BCR	C1-C6-C7-C8
15	aM	101	BCR	C5-C6-C7-C8
15	bA	849	BCR	C1-C6-C7-C8
15	bA	849	BCR	C5-C6-C7-C8
15	bA	850	BCR	C23-C24-C25-C26
15	bA	850	BCR	C23-C24-C25-C30
15	bB	834	BCR	C23-C24-C25-C26
15	bB	834	BCR	C23-C24-C25-C30
15	bI	102	BCR	C1-C6-C7-C8
15	bI	102	BCR	C5-C6-C7-C8
15	bI	102	BCR	C23-C24-C25-C30
15	bJ	102	BCR	C1-C6-C7-C8
15	bJ	102	BCR	C5-C6-C7-C8
15	bJ	103	BCR	C23-C24-C25-C30
15	cA	847	BCR	C23-C24-C25-C26
15	cA	847	BCR	C23-C24-C25-C30
15	cA	849	BCR	C1-C6-C7-C8
15	cA	849	BCR	C23-C24-C25-C30
15	cB	836	BCR	C23-C24-C25-C30
15	cJ	104	BCR	C23-C24-C25-C26
15	cJ	104	BCR	C23-C24-C25-C30
15	cL	201	BCR	C23-C24-C25-C30
15	cM	101	BCR	C1-C6-C7-C8
15	cM	101	BCR	C5-C6-C7-C8
15	dA	847	BCR	C1-C6-C7-C8
15	dA	849	BCR	C1-C6-C7-C8
15	dA	849	BCR	C5-C6-C7-C8
15	dA	850	BCR	C23-C24-C25-C26
15	dA	850	BCR	C23-C24-C25-C30
15	dB	834	BCR	C23-C24-C25-C26
15	dB	834	BCR	C23-C24-C25-C30
15	dI	102	BCR	C1-C6-C7-C8
15	dI	102	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
15	dI	102	BCR	C23-C24-C25-C30
15	dJ	102	BCR	C1-C6-C7-C8
15	dJ	102	BCR	C5-C6-C7-C8
15	dJ	103	BCR	C23-C24-C25-C30
13	bB	824	CLA	CBD-CGD-O2D-CED
13	dB	824	CLA	CBD-CGD-O2D-CED
13	cA	833	CLA	C5-C6-C7-C8
13	bA	827	CLA	C3-C5-C6-C7
13	bB	813	CLA	C3-C5-C6-C7
13	bB	832	CLA	C3-C5-C6-C7
13	dB	813	CLA	C3-C5-C6-C7
13	dB	832	CLA	C3-C5-C6-C7
16	aA	850	LHG	C18-C19-C20-C21
16	cA	850	LHG	C18-C19-C20-C21
18	aB	839	LMG	C11-C12-C13-C14
18	cB	839	LMG	C11-C12-C13-C14
13	aB	833	CLA	C2A-CAA-CBA-CGA
13	bA	814	CLA	C2A-CAA-CBA-CGA
13	bA	843	CLA	C2A-CAA-CBA-CGA
13	bB	813	CLA	C2A-CAA-CBA-CGA
13	cB	833	CLA	C2A-CAA-CBA-CGA
13	dA	814	CLA	C2A-CAA-CBA-CGA
13	dA	843	CLA	C2A-CAA-CBA-CGA
13	dB	813	CLA	C2A-CAA-CBA-CGA
13	aA	828	CLA	C10-C11-C12-C13
13	cA	828	CLA	C10-C11-C12-C13
18	bB	837	LMG	C32-C33-C34-C35
18	dB	837	LMG	C32-C33-C34-C35
13	aA	809	CLA	O1A-CGA-O2A-C1
13	aB	824	CLA	O1A-CGA-O2A-C1
13	aF	201	CLA	O1A-CGA-O2A-C1
13	bA	809	CLA	O1A-CGA-O2A-C1
13	cA	809	CLA	O1A-CGA-O2A-C1
13	cB	824	CLA	O1A-CGA-O2A-C1
13	cF	201	CLA	O1A-CGA-O2A-C1
13	dA	806	CLA	O1A-CGA-O2A-C1
13	dA	809	CLA	O1A-CGA-O2A-C1
16	aA	850	LHG	O9-C7-O7-C5
16	cA	850	LHG	O9-C7-O7-C5
13	aA	836	CLA	C4-C3-C5-C6
13	bL	203	CLA	C4-C3-C5-C6
13	cA	836	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	dL	203	CLA	C4-C3-C5-C6
13	aB	818	CLA	C10-C11-C12-C13
13	cB	818	CLA	C10-C11-C12-C13
15	aA	847	BCR	C10-C11-C12-C13
15	aA	847	BCR	C18-C19-C20-C21
15	aF	202	BCR	C10-C11-C12-C13
15	aF	202	BCR	C18-C19-C20-C21
15	bA	847	BCR	C10-C11-C12-C13
15	bA	851	BCR	C10-C11-C12-C13
15	bI	101	BCR	C10-C11-C12-C13
15	bJ	104	BCR	C18-C19-C20-C21
15	cA	847	BCR	C10-C11-C12-C13
15	cA	847	BCR	C18-C19-C20-C21
15	cF	202	BCR	C10-C11-C12-C13
15	cF	202	BCR	C18-C19-C20-C21
15	dA	847	BCR	C10-C11-C12-C13
15	dA	851	BCR	C10-C11-C12-C13
15	dI	101	BCR	C10-C11-C12-C13
15	dI	101	BCR	C18-C19-C20-C21
15	dJ	104	BCR	C18-C19-C20-C21
13	aB	811	CLA	C8-C10-C11-C12
13	cB	811	CLA	C8-C10-C11-C12
13	aA	813	CLA	C2-C3-C5-C6
13	aA	831	CLA	C2-C3-C5-C6
13	aA	836	CLA	C2-C3-C5-C6
13	cA	813	CLA	C2-C3-C5-C6
13	cA	831	CLA	C2-C3-C5-C6
13	cA	836	CLA	C2-C3-C5-C6
13	bB	832	CLA	C16-C17-C18-C20
13	dB	832	CLA	C16-C17-C18-C20
13	bB	811	CLA	O1D-CGD-O2D-CED
13	cA	807	CLA	O1D-CGD-O2D-CED
13	dB	811	CLA	O1D-CGD-O2D-CED
13	bB	826	CLA	CBA-CGA-O2A-C1
13	dB	826	CLA	CBA-CGA-O2A-C1
13	aB	808	CLA	C14-C13-C15-C16
13	cB	808	CLA	C14-C13-C15-C16
13	bB	828	CLA	O1A-CGA-O2A-C1
13	dB	828	CLA	O1A-CGA-O2A-C1
13	aA	807	CLA	O1D-CGD-O2D-CED
15	aA	846	BCR	C6-C7-C8-C9
15	bB	836	BCR	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
15	cA	846	BCR	C6-C7-C8-C9
15	dB	836	BCR	C6-C7-C8-C9
15	aA	848	BCR	C14-C15-C16-C17
15	cA	848	BCR	C14-C15-C16-C17
18	aB	839	LMG	C29-C30-C31-C32
18	cB	839	LMG	C29-C30-C31-C32
13	aB	812	CLA	O1D-CGD-O2D-CED
13	bA	813	CLA	CBA-CGA-O2A-C1
13	dA	813	CLA	CBA-CGA-O2A-C1
15	aF	202	BCR	C19-C20-C21-C22
15	cF	202	BCR	C19-C20-C21-C22
16	bA	852	LHG	C8-C7-O7-C5
16	dA	852	LHG	C8-C7-O7-C5
16	aA	851	LHG	C7-C8-C9-C10
16	cA	851	LHG	C7-C8-C9-C10
13	cB	812	CLA	O1D-CGD-O2D-CED
13	bB	831	CLA	C5-C6-C7-C8
13	dB	831	CLA	C5-C6-C7-C8
14	aA	844	PQN	C25-C26-C27-C28
14	cA	844	PQN	C25-C26-C27-C28
16	aA	850	LHG	C24-C25-C26-C27
16	cA	850	LHG	C24-C25-C26-C27
18	bB	837	LMG	C36-C37-C38-C39
18	dB	837	LMG	C36-C37-C38-C39
13	aA	835	CLA	C15-C16-C17-C18
13	bA	842	CLA	C13-C15-C16-C17
13	bB	829	CLA	C10-C11-C12-C13
13	cA	835	CLA	C15-C16-C17-C18
13	dA	842	CLA	C13-C15-C16-C17
13	dB	829	CLA	C10-C11-C12-C13
15	bJ	103	BCR	C7-C8-C9-C34
15	cB	837	BCR	C7-C8-C9-C34
15	dA	850	BCR	C36-C18-C19-C20
15	dJ	103	BCR	C7-C8-C9-C34
16	bA	852	LHG	C23-C24-C25-C26
15	aA	847	BCR	C7-C8-C9-C10
15	aJ	103	BCR	C7-C8-C9-C10
15	cA	847	BCR	C7-C8-C9-C10
15	cJ	103	BCR	C7-C8-C9-C10
18	bB	837	LMG	C17-C18-C19-C20
18	dB	837	LMG	C17-C18-C19-C20
13	aB	825	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	bA	817	CLA	C2A-CAA-CBA-CGA
13	cB	825	CLA	C2A-CAA-CBA-CGA
13	dA	817	CLA	C2A-CAA-CBA-CGA
13	bA	834	CLA	C16-C17-C18-C20
13	dA	834	CLA	C16-C17-C18-C20
13	bA	838	CLA	O1A-CGA-O2A-C1
16	dA	852	LHG	C23-C24-C25-C26
16	aA	850	LHG	C11-C12-C13-C14
16	cA	850	LHG	C11-C12-C13-C14
13	aB	803	CLA	C13-C15-C16-C17
13	aB	824	CLA	C10-C11-C12-C13
13	bL	202	CLA	C13-C15-C16-C17
13	cB	803	CLA	C13-C15-C16-C17
13	cB	824	CLA	C10-C11-C12-C13
13	dL	202	CLA	C13-C15-C16-C17
13	bL	202	CLA	O1A-CGA-O2A-C1
13	dA	838	CLA	O1A-CGA-O2A-C1
13	dL	202	CLA	O1A-CGA-O2A-C1
13	cA	802	CLA	C8-C10-C11-C12
13	cA	822	CLA	C10-C11-C12-C13
18	aB	839	LMG	C35-C36-C37-C38
18	cB	839	LMG	C35-C36-C37-C38
13	bA	823	CLA	O1D-CGD-O2D-CED
18	bB	837	LMG	C31-C32-C33-C34
18	dB	837	LMG	C31-C32-C33-C34
13	aA	802	CLA	C8-C10-C11-C12
13	aA	822	CLA	C10-C11-C12-C13
13	aA	841	CLA	C5-C6-C7-C8
13	bB	825	CLA	C8-C10-C11-C12
13	cA	841	CLA	C5-C6-C7-C8
13	dB	825	CLA	C8-C10-C11-C12
14	bA	845	PQN	C26-C27-C28-C29
14	dA	845	PQN	C26-C27-C28-C29
13	dA	823	CLA	O1D-CGD-O2D-CED
16	dA	852	LHG	C27-C28-C29-C30
13	aB	821	CLA	C10-C11-C12-C13
13	bB	802	CLA	C13-C15-C16-C17
13	bB	820	CLA	C10-C11-C12-C13
13	cB	821	CLA	C10-C11-C12-C13
13	dB	802	CLA	C13-C15-C16-C17
13	dB	820	CLA	C10-C11-C12-C13
13	aA	811	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	cA	811	CLA	O1D-CGD-O2D-CED
16	bA	852	LHG	C25-C26-C27-C28
16	bA	852	LHG	C27-C28-C29-C30
16	dA	852	LHG	C25-C26-C27-C28
18	aB	839	LMG	C31-C32-C33-C34
13	aB	814	CLA	C3-C5-C6-C7
13	cB	814	CLA	C3-C5-C6-C7
18	cB	839	LMG	C31-C32-C33-C34
13	bB	826	CLA	O1A-CGA-O2A-C1
13	dB	826	CLA	O1A-CGA-O2A-C1
16	aA	850	LHG	C27-C28-C29-C30
16	bA	852	LHG	C14-C15-C16-C17
16	cA	850	LHG	C27-C28-C29-C30
16	dA	852	LHG	C14-C15-C16-C17
18	bB	837	LMG	C30-C31-C32-C33
13	bB	814	CLA	C4-C3-C5-C6
13	dB	814	CLA	C4-C3-C5-C6
13	bA	826	CLA	C3-C5-C6-C7
13	dA	826	CLA	C3-C5-C6-C7
18	bB	837	LMG	C29-C30-C31-C32
18	dB	837	LMG	C29-C30-C31-C32
18	dB	837	LMG	C30-C31-C32-C33
13	aA	803	CLA	C2A-CAA-CBA-CGA
13	aA	818	CLA	C2A-CAA-CBA-CGA
13	aA	838	CLA	C2A-CAA-CBA-CGA
13	bA	818	CLA	C2A-CAA-CBA-CGA
13	bA	841	CLA	C2A-CAA-CBA-CGA
13	cA	803	CLA	C2A-CAA-CBA-CGA
13	cA	818	CLA	C2A-CAA-CBA-CGA
13	cA	838	CLA	C2A-CAA-CBA-CGA
13	dA	818	CLA	C2A-CAA-CBA-CGA
13	dA	841	CLA	C2A-CAA-CBA-CGA
13	bB	822	CLA	CBA-CGA-O2A-C1
13	dB	822	CLA	CBA-CGA-O2A-C1
13	bA	803	CLA	O1D-CGD-O2D-CED
13	cA	823	CLA	O1D-CGD-O2D-CED
13	dA	803	CLA	O1D-CGD-O2D-CED
13	aA	823	CLA	O1D-CGD-O2D-CED
16	bA	852	LHG	C28-C29-C30-C31
18	bB	837	LMG	C35-C36-C37-C38
18	dB	837	LMG	C35-C36-C37-C38
16	dA	852	LHG	C28-C29-C30-C31

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Mol	Chain	Res	Type	Atoms
16	cA	850	LHG	C28-C29-C30-C31
13	aA	804	CLA	C1A-C2A-CAA-CBA
13	aA	809	CLA	C1A-C2A-CAA-CBA
13	aA	813	CLA	C1A-C2A-CAA-CBA
13	aA	816	CLA	C1A-C2A-CAA-CBA
13	aA	817	CLA	C1A-C2A-CAA-CBA
13	aA	822	CLA	C1A-C2A-CAA-CBA
13	aA	825	CLA	C1A-C2A-CAA-CBA
13	aA	832	CLA	C1A-C2A-CAA-CBA
13	aA	833	CLA	C1A-C2A-CAA-CBA
13	aA	836	CLA	C1A-C2A-CAA-CBA
13	aA	838	CLA	C1A-C2A-CAA-CBA
13	aA	840	CLA	C1A-C2A-CAA-CBA
13	aB	813	CLA	C1A-C2A-CAA-CBA
13	aB	824	CLA	C1A-C2A-CAA-CBA
13	aB	827	CLA	C1A-C2A-CAA-CBA
13	aB	832	CLA	C1A-C2A-CAA-CBA
13	aB	834	CLA	C1A-C2A-CAA-CBA
13	aK	203	CLA	C1A-C2A-CAA-CBA
13	aL	203	CLA	C1A-C2A-CAA-CBA
13	bA	804	CLA	C1A-C2A-CAA-CBA
13	bA	806	CLA	C1A-C2A-CAA-CBA
13	bA	807	CLA	C1A-C2A-CAA-CBA
13	bA	810	CLA	C1A-C2A-CAA-CBA
13	bA	812	CLA	C1A-C2A-CAA-CBA
13	bA	817	CLA	C1A-C2A-CAA-CBA
13	bA	821	CLA	C1A-C2A-CAA-CBA
13	bA	822	CLA	C1A-C2A-CAA-CBA
13	bA	825	CLA	C1A-C2A-CAA-CBA
13	bA	831	CLA	C1A-C2A-CAA-CBA
13	bA	832	CLA	C1A-C2A-CAA-CBA
13	bA	835	CLA	C1A-C2A-CAA-CBA
13	bA	836	CLA	C1A-C2A-CAA-CBA
13	bB	812	CLA	C1A-C2A-CAA-CBA
13	bB	814	CLA	C1A-C2A-CAA-CBA
13	bB	815	CLA	C1A-C2A-CAA-CBA
13	bB	823	CLA	C1A-C2A-CAA-CBA
13	bB	824	CLA	C1A-C2A-CAA-CBA
13	bB	825	CLA	C1A-C2A-CAA-CBA
13	bB	826	CLA	C1A-C2A-CAA-CBA
13	bB	832	CLA	C1A-C2A-CAA-CBA
13	bF	201	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	cA	804	CLA	C1A-C2A-CAA-CBA
13	cA	809	CLA	C1A-C2A-CAA-CBA
13	cA	813	CLA	C1A-C2A-CAA-CBA
13	cA	816	CLA	C1A-C2A-CAA-CBA
13	cA	817	CLA	C1A-C2A-CAA-CBA
13	cA	822	CLA	C1A-C2A-CAA-CBA
13	cA	825	CLA	C1A-C2A-CAA-CBA
13	cA	832	CLA	C1A-C2A-CAA-CBA
13	cA	833	CLA	C1A-C2A-CAA-CBA
13	cA	836	CLA	C1A-C2A-CAA-CBA
13	cA	838	CLA	C1A-C2A-CAA-CBA
13	cA	840	CLA	C1A-C2A-CAA-CBA
13	cB	813	CLA	C1A-C2A-CAA-CBA
13	cB	824	CLA	C1A-C2A-CAA-CBA
13	cB	827	CLA	C1A-C2A-CAA-CBA
13	cB	832	CLA	C1A-C2A-CAA-CBA
13	cB	834	CLA	C1A-C2A-CAA-CBA
13	cK	203	CLA	C1A-C2A-CAA-CBA
13	cL	203	CLA	C1A-C2A-CAA-CBA
13	dA	804	CLA	C1A-C2A-CAA-CBA
13	dA	806	CLA	C1A-C2A-CAA-CBA
13	dA	807	CLA	C1A-C2A-CAA-CBA
13	dA	810	CLA	C1A-C2A-CAA-CBA
13	dA	812	CLA	C1A-C2A-CAA-CBA
13	dA	817	CLA	C1A-C2A-CAA-CBA
13	dA	821	CLA	C1A-C2A-CAA-CBA
13	dA	822	CLA	C1A-C2A-CAA-CBA
13	dA	825	CLA	C1A-C2A-CAA-CBA
13	dA	831	CLA	C1A-C2A-CAA-CBA
13	dA	832	CLA	C1A-C2A-CAA-CBA
13	dA	835	CLA	C1A-C2A-CAA-CBA
13	dA	836	CLA	C1A-C2A-CAA-CBA
13	dB	812	CLA	C1A-C2A-CAA-CBA
13	dB	814	CLA	C1A-C2A-CAA-CBA
13	dB	815	CLA	C1A-C2A-CAA-CBA
13	dB	823	CLA	C1A-C2A-CAA-CBA
13	dB	824	CLA	C1A-C2A-CAA-CBA
13	dB	825	CLA	C1A-C2A-CAA-CBA
13	dB	826	CLA	C1A-C2A-CAA-CBA
13	dB	832	CLA	C1A-C2A-CAA-CBA
13	dF	201	CLA	C1A-C2A-CAA-CBA
13	aA	806	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	aA	820	CLA	C10-C11-C12-C13
13	aL	203	CLA	C13-C15-C16-C17
13	cA	820	CLA	C10-C11-C12-C13
13	cL	203	CLA	C13-C15-C16-C17
13	dB	813	CLA	C10-C11-C12-C13
14	aB	835	PQN	C20-C21-C22-C23
14	cB	835	PQN	C20-C21-C22-C23
16	aA	850	LHG	C28-C29-C30-C31
16	aA	850	LHG	C33-C34-C35-C36
18	aB	839	LMG	C14-C15-C16-C17
16	cA	850	LHG	C33-C34-C35-C36
18	cB	839	LMG	C14-C15-C16-C17
13	aB	807	CLA	C10-C11-C12-C13
13	cB	807	CLA	C10-C11-C12-C13
13	dA	818	CLA	C15-C16-C17-C18
13	dB	821	CLA	C10-C11-C12-C13
13	aA	809	CLA	O1D-CGD-O2D-CED
13	aA	812	CLA	C6-C7-C8-C10
13	aA	821	CLA	C6-C7-C8-C10
13	aA	823	CLA	C6-C7-C8-C10
13	aA	828	CLA	C6-C7-C8-C10
13	aA	828	CLA	C11-C12-C13-C15
13	aA	831	CLA	C11-C12-C13-C15
13	aA	835	CLA	C12-C13-C15-C16
13	aB	822	CLA	C6-C7-C8-C10
13	aB	824	CLA	C11-C12-C13-C15
13	bA	833	CLA	C11-C10-C8-C7
13	bA	835	CLA	C12-C13-C15-C16
13	bA	841	CLA	C11-C10-C8-C7
13	bA	843	CLA	C12-C13-C15-C16
13	bB	820	CLA	C11-C10-C8-C7
13	cA	812	CLA	C6-C7-C8-C10
13	cA	821	CLA	C6-C7-C8-C10
13	cA	823	CLA	C6-C7-C8-C10
13	cA	828	CLA	C6-C7-C8-C10
13	cA	828	CLA	C11-C12-C13-C15
13	cA	831	CLA	C11-C12-C13-C15
13	cA	835	CLA	C12-C13-C15-C16
13	cB	822	CLA	C6-C7-C8-C10
13	cB	824	CLA	C11-C12-C13-C15
13	dA	833	CLA	C11-C10-C8-C7
13	dA	835	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	dA	841	CLA	C11-C10-C8-C7
13	dA	843	CLA	C12-C13-C15-C16
13	dB	820	CLA	C11-C10-C8-C7
13	bA	818	CLA	C15-C16-C17-C18
13	bB	821	CLA	C10-C11-C12-C13
13	cA	809	CLA	O1D-CGD-O2D-CED
13	cA	806	CLA	CBA-CGA-O2A-C1
13	bB	813	CLA	C10-C11-C12-C13
13	aB	815	CLA	C4-C3-C5-C6
13	bB	825	CLA	C4-C3-C5-C6
13	cB	815	CLA	C4-C3-C5-C6
13	dB	825	CLA	C4-C3-C5-C6
13	bA	812	CLA	C13-C15-C16-C17
13	bA	828	CLA	C8-C10-C11-C12
13	dA	812	CLA	C13-C15-C16-C17
13	dA	828	CLA	C8-C10-C11-C12
13	cB	807	CLA	O1D-CGD-O2D-CED
13	bA	838	CLA	C2A-CAA-CBA-CGA
13	bA	844	CLA	C2A-CAA-CBA-CGA
13	dA	838	CLA	C2A-CAA-CBA-CGA
13	dA	844	CLA	C2A-CAA-CBA-CGA
13	aA	807	CLA	C14-C13-C15-C16
13	aA	812	CLA	C6-C7-C8-C9
13	aA	823	CLA	C6-C7-C8-C9
13	aA	830	CLA	C14-C13-C15-C16
13	aA	831	CLA	C11-C12-C13-C14
13	aB	804	CLA	C14-C13-C15-C16
13	aB	822	CLA	C14-C13-C15-C16
13	bA	809	CLA	C14-C13-C15-C16
13	bA	828	CLA	C11-C10-C8-C9
13	bA	843	CLA	C14-C13-C15-C16
13	bB	803	CLA	C14-C13-C15-C16
13	bB	813	CLA	C6-C7-C8-C9
13	bL	202	CLA	C14-C13-C15-C16
13	cA	807	CLA	C14-C13-C15-C16
13	cA	812	CLA	C6-C7-C8-C9
13	cA	823	CLA	C6-C7-C8-C9
13	cA	830	CLA	C14-C13-C15-C16
13	cA	831	CLA	C11-C12-C13-C14
13	cB	804	CLA	C14-C13-C15-C16
13	cB	822	CLA	C14-C13-C15-C16
13	dA	809	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	dA	828	CLA	C11-C10-C8-C9
13	dA	843	CLA	C14-C13-C15-C16
13	dB	803	CLA	C14-C13-C15-C16
13	dB	813	CLA	C6-C7-C8-C9
13	dL	202	CLA	C14-C13-C15-C16
14	aB	835	PQN	C21-C22-C23-C24
14	cB	835	PQN	C21-C22-C23-C24
18	bB	837	LMG	C18-C19-C20-C21
18	dB	837	LMG	C18-C19-C20-C21
13	bA	834	CLA	C16-C17-C18-C19
13	dA	834	CLA	C16-C17-C18-C19
13	aA	832	CLA	CBA-CGA-O2A-C1
13	aB	825	CLA	CBA-CGA-O2A-C1
13	bA	819	CLA	CBA-CGA-O2A-C1
13	bB	823	CLA	CBA-CGA-O2A-C1
13	cA	832	CLA	CBA-CGA-O2A-C1
13	cB	825	CLA	CBA-CGA-O2A-C1
13	dA	819	CLA	CBA-CGA-O2A-C1
13	dB	823	CLA	CBA-CGA-O2A-C1
18	bB	837	LMG	C29-C28-O8-C9
18	dB	837	LMG	C29-C28-O8-C9
13	aA	802	CLA	CBD-CGD-O2D-CED
13	cA	802	CLA	CBD-CGD-O2D-CED
13	aB	807	CLA	O1D-CGD-O2D-CED
13	aB	822	CLA	O1D-CGD-O2D-CED
13	bB	806	CLA	O1D-CGD-O2D-CED
13	bJ	101	CLA	O1D-CGD-O2D-CED
13	cB	822	CLA	O1D-CGD-O2D-CED
13	dB	806	CLA	O1D-CGD-O2D-CED
13	cA	831	CLA	O1D-CGD-O2D-CED
13	aB	815	CLA	C11-C10-C8-C9
13	bB	814	CLA	C11-C10-C8-C9
13	cB	815	CLA	C11-C10-C8-C9
13	dB	814	CLA	C11-C10-C8-C9
18	bB	837	LMG	O1-C7-C8-C9
18	dB	837	LMG	O1-C7-C8-C9
13	aA	831	CLA	O1D-CGD-O2D-CED
13	dJ	101	CLA	O1D-CGD-O2D-CED
16	bA	852	LHG	C33-C34-C35-C36
16	dA	852	LHG	C33-C34-C35-C36
13	aA	807	CLA	C8-C10-C11-C12
13	cA	807	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
13	aA	839	CLA	CBA-CGA-O2A-C1
13	cA	839	CLA	CBA-CGA-O2A-C1
14	bA	845	PQN	C26-C27-C28-C30
14	dA	845	PQN	C26-C27-C28-C30
12	aA	801	CL0	C15-C16-C17-C18
15	aJ	103	BCR	C35-C13-C14-C15
15	bL	201	BCR	C35-C13-C14-C15
15	cJ	103	BCR	C35-C13-C14-C15
12	cA	801	CL0	C15-C16-C17-C18
13	aB	825	CLA	O1A-CGA-O2A-C1
13	cB	825	CLA	O1A-CGA-O2A-C1
13	dB	822	CLA	O1A-CGA-O2A-C1
13	aB	815	CLA	C2-C3-C5-C6
13	bA	826	CLA	C2-C3-C5-C6
13	bB	814	CLA	C2-C3-C5-C6
13	bB	825	CLA	C2-C3-C5-C6
13	cB	815	CLA	C2-C3-C5-C6
13	dA	826	CLA	C2-C3-C5-C6
13	dB	814	CLA	C2-C3-C5-C6
13	dB	825	CLA	C2-C3-C5-C6
12	bA	801	CL0	C5-C6-C7-C8
13	aB	818	CLA	C5-C6-C7-C8
15	bJ	102	BCR	C7-C8-C9-C34
15	dJ	102	BCR	C7-C8-C9-C34
15	aJ	104	BCR	C17-C18-C19-C20
15	bJ	103	BCR	C7-C8-C9-C10
15	cJ	104	BCR	C17-C18-C19-C20
15	dJ	103	BCR	C7-C8-C9-C10
13	bA	813	CLA	O1A-CGA-O2A-C1
13	bB	822	CLA	O1A-CGA-O2A-C1
13	dA	813	CLA	O1A-CGA-O2A-C1
12	dA	801	CL0	C5-C6-C7-C8
13	aB	805	CLA	C15-C16-C17-C18
13	cB	805	CLA	C15-C16-C17-C18
13	cB	818	CLA	C5-C6-C7-C8
14	bB	833	PQN	C15-C16-C17-C18
14	dB	833	PQN	C15-C16-C17-C18
16	bA	853	LHG	C7-C8-C9-C10
16	dA	853	LHG	C7-C8-C9-C10
13	dB	819	CLA	CBD-CGD-O2D-CED
13	aA	842	CLA	CBA-CGA-O2A-C1
13	aB	823	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	bB	821	CLA	CBA-CGA-O2A-C1
13	cA	842	CLA	CBA-CGA-O2A-C1
13	cB	823	CLA	CBA-CGA-O2A-C1
13	dB	821	CLA	CBA-CGA-O2A-C1
13	aB	834	CLA	O2A-C1-C2-C3
13	cB	834	CLA	O2A-C1-C2-C3
16	aA	850	LHG	C25-C26-C27-C28
16	cA	850	LHG	C25-C26-C27-C28
15	bI	102	BCR	C18-C19-C20-C21
15	dI	102	BCR	C18-C19-C20-C21
13	bA	834	CLA	C8-C10-C11-C12
13	dA	834	CLA	C8-C10-C11-C12
18	aB	839	LMG	C32-C33-C34-C35
18	bB	837	LMG	C20-C21-C22-C23
18	dB	837	LMG	C20-C21-C22-C23
15	aK	205	BCR	C19-C20-C21-C22
15	bA	847	BCR	C9-C10-C11-C12
15	dA	847	BCR	C9-C10-C11-C12
15	dL	204	BCR	C19-C20-C21-C22
18	cB	839	LMG	C32-C33-C34-C35
13	dL	203	CLA	O1D-CGD-O2D-CED
13	cA	806	CLA	O1A-CGA-O2A-C1
13	aA	806	CLA	C3-C5-C6-C7
13	cA	806	CLA	C3-C5-C6-C7
13	bB	819	CLA	CBD-CGD-O2D-CED
13	bL	203	CLA	O1D-CGD-O2D-CED
15	aA	849	BCR	C12-C13-C14-C15
15	aB	837	BCR	C12-C13-C14-C15
15	aL	205	BCR	C16-C17-C18-C19
15	bJ	104	BCR	C12-C13-C14-C15
15	cA	849	BCR	C12-C13-C14-C15
15	cL	205	BCR	C16-C17-C18-C19
15	dJ	104	BCR	C12-C13-C14-C15
16	aA	850	LHG	C29-C30-C31-C32
16	cA	850	LHG	C29-C30-C31-C32
15	bF	203	BCR	C6-C7-C8-C9
15	dF	203	BCR	C6-C7-C8-C9
16	aA	851	LHG	C24-C23-O8-C6
16	cA	851	LHG	C24-C23-O8-C6
18	aB	839	LMG	C29-C28-O8-C9
18	cB	839	LMG	C29-C28-O8-C9
13	aA	806	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
13	bA	811	CLA	O1D-CGD-O2D-CED
13	dA	811	CLA	O1D-CGD-O2D-CED
13	bA	836	CLA	C6-C7-C8-C9
13	dA	836	CLA	C6-C7-C8-C9
16	bA	852	LHG	O7-C5-C6-O8
16	dA	852	LHG	O7-C5-C6-O8
18	aB	839	LMG	O7-C8-C9-O8
18	cB	839	LMG	O7-C8-C9-O8
13	bA	819	CLA	C6-C7-C8-C9
13	dA	819	CLA	C6-C7-C8-C9
16	bA	853	LHG	C11-C10-C9-C8
16	dA	853	LHG	C11-C10-C9-C8
13	bA	819	CLA	CAA-CBA-CGA-O2A
13	dA	819	CLA	CAA-CBA-CGA-O2A
16	aA	850	LHG	C16-C17-C18-C19
16	cA	850	LHG	C16-C17-C18-C19
13	aA	814	CLA	C2A-CAA-CBA-CGA
13	cA	814	CLA	C2A-CAA-CBA-CGA
13	aA	826	CLA	C10-C11-C12-C13
13	cA	826	CLA	C10-C11-C12-C13
13	cA	842	CLA	O1A-CGA-O2A-C1
13	aA	828	CLA	CBA-CGA-O2A-C1
13	aB	807	CLA	CBA-CGA-O2A-C1
13	aB	832	CLA	CBA-CGA-O2A-C1
13	cA	828	CLA	CBA-CGA-O2A-C1
13	cB	807	CLA	CBA-CGA-O2A-C1
13	cB	832	CLA	CBA-CGA-O2A-C1
13	bA	813	CLA	C5-C6-C7-C8
13	dA	813	CLA	C5-C6-C7-C8
13	aA	842	CLA	O1A-CGA-O2A-C1
13	bA	829	CLA	C3-C5-C6-C7
13	dA	829	CLA	C3-C5-C6-C7
15	aF	203	BCR	C14-C15-C16-C17
15	aK	205	BCR	C14-C15-C16-C17
15	cF	203	BCR	C14-C15-C16-C17
15	dL	204	BCR	C14-C15-C16-C17
13	aA	825	CLA	O1D-CGD-O2D-CED
13	cA	825	CLA	O1D-CGD-O2D-CED
13	aA	806	CLA	C4-C3-C5-C6
13	aA	830	CLA	C4-C3-C5-C6
13	bA	826	CLA	C4-C3-C5-C6
13	bA	827	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	bA	839	CLA	C4-C3-C5-C6
13	bA	844	CLA	C4-C3-C5-C6
13	cA	806	CLA	C4-C3-C5-C6
13	cA	830	CLA	C4-C3-C5-C6
13	dA	826	CLA	C4-C3-C5-C6
13	dA	827	CLA	C4-C3-C5-C6
13	dA	839	CLA	C4-C3-C5-C6
13	dA	844	CLA	C4-C3-C5-C6
13	bA	819	CLA	O1A-CGA-O2A-C1
13	dA	819	CLA	O1A-CGA-O2A-C1
13	aB	814	CLA	CBA-CGA-O2A-C1
13	bA	839	CLA	CBA-CGA-O2A-C1
13	cB	814	CLA	CBA-CGA-O2A-C1
13	dA	839	CLA	CBA-CGA-O2A-C1
13	bB	807	CLA	C15-C16-C17-C18
13	dB	807	CLA	C15-C16-C17-C18
13	dL	202	CLA	C5-C6-C7-C8
13	aA	807	CLA	C6-C7-C8-C9
13	aA	828	CLA	C11-C12-C13-C14
13	aA	840	CLA	C11-C10-C8-C9
13	aA	840	CLA	C11-C12-C13-C14
13	aB	821	CLA	C6-C7-C8-C9
13	aL	203	CLA	C14-C13-C15-C16
13	bA	822	CLA	C6-C7-C8-C9
13	bA	828	CLA	C6-C7-C8-C9
13	bA	830	CLA	C14-C13-C15-C16
13	bA	833	CLA	C11-C10-C8-C9
13	bA	834	CLA	C6-C7-C8-C9
13	bA	835	CLA	C14-C13-C15-C16
13	bA	841	CLA	C11-C10-C8-C9
13	bB	820	CLA	C11-C10-C8-C9
13	cA	807	CLA	C6-C7-C8-C9
13	cA	828	CLA	C11-C12-C13-C14
13	cA	840	CLA	C11-C10-C8-C9
13	cA	840	CLA	C11-C12-C13-C14
13	cB	821	CLA	C6-C7-C8-C9
13	cL	203	CLA	C14-C13-C15-C16
13	dA	822	CLA	C6-C7-C8-C9
13	dA	828	CLA	C6-C7-C8-C9
13	dA	830	CLA	C14-C13-C15-C16
13	dA	833	CLA	C11-C10-C8-C9
13	dA	834	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
13	dA	835	CLA	C14-C13-C15-C16
13	dA	841	CLA	C11-C10-C8-C9
13	dB	820	CLA	C11-C10-C8-C9
14	aA	844	PQN	C24-C23-C25-C26
14	bB	833	PQN	C16-C17-C18-C19
14	cA	844	PQN	C24-C23-C25-C26
14	dB	833	PQN	C16-C17-C18-C19
13	bA	806	CLA	C8-C10-C11-C12
13	bL	202	CLA	C5-C6-C7-C8
13	dA	806	CLA	C8-C10-C11-C12
13	aA	811	CLA	C4B-C3B-CAB-CBB
13	aA	813	CLA	C4B-C3B-CAB-CBB
13	aA	826	CLA	C4B-C3B-CAB-CBB
13	aA	829	CLA	C4B-C3B-CAB-CBB
13	aA	835	CLA	C4B-C3B-CAB-CBB
13	aA	836	CLA	C4B-C3B-CAB-CBB
13	aA	842	CLA	C4B-C3B-CAB-CBB
13	aB	808	CLA	C4B-C3B-CAB-CBB
13	aB	813	CLA	C4B-C3B-CAB-CBB
13	aB	817	CLA	C4B-C3B-CAB-CBB
13	aB	820	CLA	C4B-C3B-CAB-CBB
13	aF	204	CLA	C4B-C3B-CAB-CBB
13	bA	803	CLA	C4B-C3B-CAB-CBB
13	bA	808	CLA	C4B-C3B-CAB-CBB
13	bA	822	CLA	C4B-C3B-CAB-CBB
13	bA	833	CLA	C4B-C3B-CAB-CBB
13	bA	844	CLA	C4B-C3B-CAB-CBB
13	bB	805	CLA	C4B-C3B-CAB-CBB
13	bB	812	CLA	C4B-C3B-CAB-CBB
13	bF	204	CLA	C4B-C3B-CAB-CBB
13	cA	813	CLA	C4B-C3B-CAB-CBB
13	cA	826	CLA	C4B-C3B-CAB-CBB
13	cA	829	CLA	C4B-C3B-CAB-CBB
13	cA	835	CLA	C4B-C3B-CAB-CBB
13	cA	836	CLA	C4B-C3B-CAB-CBB
13	cA	842	CLA	C4B-C3B-CAB-CBB
13	cB	808	CLA	C4B-C3B-CAB-CBB
13	cB	813	CLA	C4B-C3B-CAB-CBB
13	cB	817	CLA	C4B-C3B-CAB-CBB
13	cB	820	CLA	C4B-C3B-CAB-CBB
13	cF	204	CLA	C4B-C3B-CAB-CBB
13	dA	803	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	dA	808	CLA	C4B-C3B-CAB-CBB
13	dA	822	CLA	C4B-C3B-CAB-CBB
13	dA	833	CLA	C4B-C3B-CAB-CBB
13	dA	844	CLA	C4B-C3B-CAB-CBB
13	dB	805	CLA	C4B-C3B-CAB-CBB
13	dB	812	CLA	C4B-C3B-CAB-CBB
13	dF	204	CLA	C4B-C3B-CAB-CBB
13	dA	809	CLA	C5-C6-C7-C8
13	aA	823	CLA	C2A-CAA-CBA-CGA
13	bA	821	CLA	C2A-CAA-CBA-CGA
13	cA	823	CLA	C2A-CAA-CBA-CGA
13	dA	821	CLA	C2A-CAA-CBA-CGA
13	cB	808	CLA	C15-C16-C17-C18
18	dB	837	LMG	C22-C23-C24-C25
16	cA	850	LHG	C19-C20-C21-C22
18	bB	837	LMG	C22-C23-C24-C25
16	aA	850	LHG	C19-C20-C21-C22
13	aB	807	CLA	CAA-CBA-CGA-O2A
13	bB	817	CLA	CAA-CBA-CGA-O2A
13	cB	807	CLA	CAA-CBA-CGA-O2A
13	dB	817	CLA	CAA-CBA-CGA-O2A
13	aA	807	CLA	C6-C7-C8-C10
13	aA	807	CLA	C12-C13-C15-C16
13	aA	828	CLA	C12-C13-C15-C16
13	aA	829	CLA	C12-C13-C15-C16
13	aA	830	CLA	C12-C13-C15-C16
13	aA	834	CLA	C11-C12-C13-C15
13	aB	804	CLA	C12-C13-C15-C16
13	aB	807	CLA	C12-C13-C15-C16
13	aB	833	CLA	C12-C13-C15-C16
13	aL	203	CLA	C12-C13-C15-C16
13	bA	809	CLA	C12-C13-C15-C16
13	bA	828	CLA	C11-C10-C8-C7
13	bA	831	CLA	C12-C13-C15-C16
13	bB	803	CLA	C12-C13-C15-C16
13	bB	806	CLA	C12-C13-C15-C16
13	bB	813	CLA	C6-C7-C8-C10
13	bL	202	CLA	C12-C13-C15-C16
13	cA	807	CLA	C6-C7-C8-C10
13	cA	807	CLA	C12-C13-C15-C16
13	cA	828	CLA	C12-C13-C15-C16
13	cA	829	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	cA	830	CLA	C12-C13-C15-C16
13	cA	834	CLA	C11-C12-C13-C15
13	cB	804	CLA	C12-C13-C15-C16
13	cB	807	CLA	C12-C13-C15-C16
13	cB	833	CLA	C12-C13-C15-C16
13	cL	203	CLA	C12-C13-C15-C16
13	dA	809	CLA	C12-C13-C15-C16
13	dA	828	CLA	C11-C10-C8-C7
13	dA	831	CLA	C12-C13-C15-C16
13	dB	803	CLA	C12-C13-C15-C16
13	dB	806	CLA	C12-C13-C15-C16
13	dB	813	CLA	C6-C7-C8-C10
13	dL	202	CLA	C12-C13-C15-C16
14	aB	835	PQN	C21-C22-C23-C25
14	bB	833	PQN	C16-C17-C18-C20
14	cB	835	PQN	C21-C22-C23-C25
14	dB	833	PQN	C16-C17-C18-C20
13	aA	821	CLA	C10-C11-C12-C13
13	aB	808	CLA	C15-C16-C17-C18
13	bA	807	CLA	C5-C6-C7-C8
13	bA	809	CLA	C5-C6-C7-C8
13	cA	821	CLA	C10-C11-C12-C13
13	dA	807	CLA	C5-C6-C7-C8
13	aA	832	CLA	O1A-CGA-O2A-C1
13	cA	832	CLA	O1A-CGA-O2A-C1
16	bA	852	LHG	C19-C20-C21-C22
16	dA	852	LHG	C19-C20-C21-C22
16	dA	852	LHG	C18-C19-C20-C21
16	bA	852	LHG	C18-C19-C20-C21
13	aA	813	CLA	C3A-C2A-CAA-CBA
13	aA	843	CLA	C3A-C2A-CAA-CBA
13	aB	818	CLA	C4-C3-C5-C6
13	aB	825	CLA	C3A-C2A-CAA-CBA
13	aB	829	CLA	C3A-C2A-CAA-CBA
13	bA	821	CLA	C4-C3-C5-C6
13	bA	841	CLA	C3A-C2A-CAA-CBA
13	cA	813	CLA	C3A-C2A-CAA-CBA
13	cA	843	CLA	C3A-C2A-CAA-CBA
13	cB	818	CLA	C4-C3-C5-C6
13	cB	825	CLA	C3A-C2A-CAA-CBA
13	cB	829	CLA	C3A-C2A-CAA-CBA
13	dA	821	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	dA	841	CLA	C3A-C2A-CAA-CBA
14	bB	833	PQN	C14-C13-C15-C16
14	dB	833	PQN	C14-C13-C15-C16
13	bA	831	CLA	C13-C15-C16-C17
13	aA	819	CLA	O1D-CGD-O2D-CED
13	bL	203	CLA	C2-C3-C5-C6
13	dL	203	CLA	C2-C3-C5-C6
13	cA	819	CLA	O1D-CGD-O2D-CED
13	bB	823	CLA	O1A-CGA-O2A-C1
13	dB	823	CLA	O1A-CGA-O2A-C1
13	dA	831	CLA	C13-C15-C16-C17
16	bA	852	LHG	C24-C25-C26-C27
16	dA	852	LHG	C24-C25-C26-C27
16	dA	852	LHG	C35-C36-C37-C38
15	aJ	103	BCR	C13-C14-C15-C16
15	aK	202	BCR	C9-C10-C11-C12
15	bF	202	BCR	C19-C20-C21-C22
15	bI	102	BCR	C19-C20-C21-C22
15	bJ	104	BCR	C19-C20-C21-C22
15	cJ	103	BCR	C13-C14-C15-C16
15	cK	202	BCR	C9-C10-C11-C12
15	dF	202	BCR	C19-C20-C21-C22
15	dI	102	BCR	C19-C20-C21-C22
15	dJ	104	BCR	C19-C20-C21-C22
16	bA	852	LHG	C35-C36-C37-C38
13	aF	201	CLA	C4-C3-C5-C6
13	bF	201	CLA	C4-C3-C5-C6
13	cF	201	CLA	C4-C3-C5-C6
13	dF	201	CLA	C4-C3-C5-C6
13	aA	839	CLA	O1A-CGA-O2A-C1
13	cA	839	CLA	O1A-CGA-O2A-C1
15	cA	846	BCR	C11-C12-C13-C14
13	aA	834	CLA	C3-C5-C6-C7
13	cA	834	CLA	C3-C5-C6-C7
14	aA	844	PQN	C13-C15-C16-C17
14	cA	844	PQN	C13-C15-C16-C17
18	cB	839	LMG	C37-C38-C39-C40
13	aB	831	CLA	C5-C6-C7-C8
13	cB	831	CLA	C5-C6-C7-C8
18	aB	839	LMG	C37-C38-C39-C40
13	aA	806	CLA	C2-C3-C5-C6
13	aA	830	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	bA	839	CLA	C2-C3-C5-C6
13	cA	806	CLA	C2-C3-C5-C6
13	cA	830	CLA	C2-C3-C5-C6
13	dA	839	CLA	C2-C3-C5-C6
14	bB	833	PQN	C12-C13-C15-C16
14	dB	833	PQN	C12-C13-C15-C16
13	aA	819	CLA	C6-C7-C8-C9
13	cA	819	CLA	C6-C7-C8-C9
13	aA	836	CLA	C2B-C3B-CAB-CBB
13	aA	841	CLA	C2B-C3B-CAB-CBB
13	aA	842	CLA	C2B-C3B-CAB-CBB
13	aB	817	CLA	C2B-C3B-CAB-CBB
13	aB	818	CLA	C2B-C3B-CAB-CBB
13	aL	203	CLA	C2B-C3B-CAB-CBB
13	bA	823	CLA	C2B-C3B-CAB-CBB
13	bA	830	CLA	C2B-C3B-CAB-CBB
13	bB	805	CLA	C2B-C3B-CAB-CBB
13	bB	820	CLA	C2B-C3B-CAB-CBB
13	bF	204	CLA	C2B-C3B-CAB-CBB
13	cA	836	CLA	C2B-C3B-CAB-CBB
13	cA	841	CLA	C2B-C3B-CAB-CBB
13	cA	842	CLA	C2B-C3B-CAB-CBB
13	cB	817	CLA	C2B-C3B-CAB-CBB
13	cB	818	CLA	C2B-C3B-CAB-CBB
13	cL	203	CLA	C2B-C3B-CAB-CBB
13	dA	823	CLA	C2B-C3B-CAB-CBB
13	dA	830	CLA	C2B-C3B-CAB-CBB
13	dB	805	CLA	C2B-C3B-CAB-CBB
13	dB	820	CLA	C2B-C3B-CAB-CBB
13	dF	204	CLA	C2B-C3B-CAB-CBB
15	aA	845	BCR	C1-C6-C7-C8
15	aA	845	BCR	C5-C6-C7-C8
15	aA	846	BCR	C1-C6-C7-C8
15	aA	848	BCR	C1-C6-C7-C8
15	aA	849	BCR	C5-C6-C7-C8
15	aB	836	BCR	C1-C6-C7-C8
15	aB	837	BCR	C23-C24-C25-C30
15	aB	838	BCR	C1-C6-C7-C8
15	aB	838	BCR	C23-C24-C25-C30
15	aF	202	BCR	C1-C6-C7-C8
15	aF	203	BCR	C1-C6-C7-C8
15	aI	101	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
15	aJ	103	BCR	C23-C24-C25-C30
15	aK	202	BCR	C1-C6-C7-C8
15	aK	205	BCR	C1-C6-C7-C8
15	aK	205	BCR	C23-C24-C25-C30
15	aL	201	BCR	C1-C6-C7-C8
15	aL	205	BCR	C1-C6-C7-C8
15	aL	205	BCR	C23-C24-C25-C30
15	aL	206	BCR	C23-C24-C25-C30
15	aM	101	BCR	C23-C24-C25-C30
15	bA	846	BCR	C1-C6-C7-C8
15	bA	847	BCR	C1-C6-C7-C8
15	bA	848	BCR	C1-C6-C7-C8
15	bA	850	BCR	C1-C6-C7-C8
15	bA	851	BCR	C23-C24-C25-C30
15	bB	834	BCR	C1-C6-C7-C8
15	bB	835	BCR	C1-C6-C7-C8
15	bB	835	BCR	C23-C24-C25-C30
15	bB	836	BCR	C1-C6-C7-C8
15	bB	836	BCR	C23-C24-C25-C30
15	bF	202	BCR	C1-C6-C7-C8
15	bF	203	BCR	C1-C6-C7-C8
15	bF	203	BCR	C23-C24-C25-C30
15	bI	101	BCR	C1-C6-C7-C8
15	bJ	104	BCR	C23-C24-C25-C30
15	bL	201	BCR	C1-C6-C7-C8
15	bM	101	BCR	C23-C24-C25-C30
15	cA	845	BCR	C1-C6-C7-C8
15	cA	845	BCR	C5-C6-C7-C8
15	cA	846	BCR	C1-C6-C7-C8
15	cA	848	BCR	C1-C6-C7-C8
15	cA	849	BCR	C5-C6-C7-C8
15	cB	836	BCR	C1-C6-C7-C8
15	cB	837	BCR	C23-C24-C25-C30
15	cB	838	BCR	C1-C6-C7-C8
15	cB	838	BCR	C23-C24-C25-C30
15	cF	202	BCR	C1-C6-C7-C8
15	cF	203	BCR	C1-C6-C7-C8
15	cI	101	BCR	C1-C6-C7-C8
15	cJ	103	BCR	C23-C24-C25-C30
15	cK	202	BCR	C1-C6-C7-C8
15	cL	201	BCR	C1-C6-C7-C8
15	cL	205	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
15	cL	205	BCR	C23-C24-C25-C30
15	cL	206	BCR	C23-C24-C25-C30
15	cM	101	BCR	C23-C24-C25-C30
15	dA	846	BCR	C1-C6-C7-C8
15	dA	848	BCR	C1-C6-C7-C8
15	dA	850	BCR	C1-C6-C7-C8
15	dA	851	BCR	C23-C24-C25-C30
15	dB	834	BCR	C1-C6-C7-C8
15	dB	835	BCR	C1-C6-C7-C8
15	dB	835	BCR	C23-C24-C25-C30
15	dB	836	BCR	C1-C6-C7-C8
15	dB	836	BCR	C23-C24-C25-C30
15	dF	202	BCR	C1-C6-C7-C8
15	dF	203	BCR	C1-C6-C7-C8
15	dF	203	BCR	C23-C24-C25-C30
15	dI	101	BCR	C1-C6-C7-C8
15	dJ	104	BCR	C23-C24-C25-C30
15	dL	201	BCR	C1-C6-C7-C8
15	dL	204	BCR	C1-C6-C7-C8
15	dL	204	BCR	C23-C24-C25-C30
15	dM	101	BCR	C23-C24-C25-C30
16	aA	850	LHG	C8-C7-O7-C5
16	cA	850	LHG	C8-C7-O7-C5
13	dB	824	CLA	O1D-CGD-O2D-CED
13	aA	834	CLA	C10-C11-C12-C13
13	cA	834	CLA	C10-C11-C12-C13
13	bA	839	CLA	O1A-CGA-O2A-C1
13	aB	824	CLA	C8-C10-C11-C12
13	bA	807	CLA	C10-C11-C12-C13
13	bB	802	CLA	C5-C6-C7-C8
13	bL	202	CLA	C10-C11-C12-C13
13	cB	824	CLA	C8-C10-C11-C12
13	dA	807	CLA	C10-C11-C12-C13
13	dB	802	CLA	C5-C6-C7-C8
13	dL	202	CLA	C10-C11-C12-C13
13	bB	824	CLA	O1D-CGD-O2D-CED
18	bB	837	LMG	O1-C7-C8-O7
18	bB	837	LMG	O7-C8-C9-O8
18	dB	837	LMG	O1-C7-C8-O7
18	dB	837	LMG	O7-C8-C9-O8
13	dA	839	CLA	O1A-CGA-O2A-C1
13	bB	807	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
13	bA	804	CLA	O1D-CGD-O2D-CED
13	dA	804	CLA	O1D-CGD-O2D-CED
13	bB	821	CLA	C3-C5-C6-C7
13	dB	821	CLA	C3-C5-C6-C7
13	dB	807	CLA	CBD-CGD-O2D-CED
13	cB	803	CLA	C5-C6-C7-C8
13	aA	820	CLA	C11-C12-C13-C14
13	aB	822	CLA	C6-C7-C8-C9
13	cA	820	CLA	C11-C12-C13-C14
13	cB	822	CLA	C6-C7-C8-C9
13	aB	803	CLA	C5-C6-C7-C8
18	cB	839	LMG	C19-C20-C21-C22
15	aA	846	BCR	C22-C23-C24-C25
15	aJ	103	BCR	C6-C7-C8-C9
15	bA	847	BCR	C22-C23-C24-C25
15	bA	850	BCR	C6-C7-C8-C9
15	bI	101	BCR	C6-C7-C8-C9
15	bL	201	BCR	C22-C23-C24-C25
15	cA	846	BCR	C22-C23-C24-C25
15	cJ	103	BCR	C6-C7-C8-C9
15	dA	847	BCR	C22-C23-C24-C25
15	dA	850	BCR	C6-C7-C8-C9
15	dI	101	BCR	C6-C7-C8-C9
15	dL	201	BCR	C22-C23-C24-C25
13	aB	823	CLA	O1A-CGA-O2A-C1
18	aB	839	LMG	C19-C20-C21-C22
15	aI	101	BCR	C14-C15-C16-C17
15	aL	201	BCR	C14-C15-C16-C17
15	cI	101	BCR	C14-C15-C16-C17
15	cL	201	BCR	C14-C15-C16-C17
13	bA	841	CLA	C16-C17-C18-C20
13	dA	841	CLA	C16-C17-C18-C20
13	dB	821	CLA	C16-C17-C18-C20
13	cB	826	CLA	CAA-CBA-CGA-O2A
16	bA	853	LHG	C10-C11-C12-C13
13	cB	823	CLA	O1A-CGA-O2A-C1
16	bA	853	LHG	O2-C2-C3-O3
16	dA	853	LHG	O2-C2-C3-O3
16	dA	853	LHG	C10-C11-C12-C13
13	aB	826	CLA	C10-C11-C12-C13
13	cB	826	CLA	C10-C11-C12-C13
13	bB	829	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	dB	829	CLA	C4-C3-C5-C6
15	bJ	103	BCR	C15-C16-C17-C18
15	dJ	103	BCR	C15-C16-C17-C18
13	aB	826	CLA	CAA-CBA-CGA-O2A
13	aA	836	CLA	C6-C7-C8-C9
13	cA	836	CLA	C6-C7-C8-C9
13	bA	844	CLA	C2-C3-C5-C6
13	dA	844	CLA	C2-C3-C5-C6
13	bB	821	CLA	C16-C17-C18-C20
13	aB	830	CLA	O1A-CGA-O2A-C1
13	cB	830	CLA	O1A-CGA-O2A-C1
15	aA	847	BCR	C16-C17-C18-C36
15	aK	205	BCR	C20-C21-C22-C37
15	aL	205	BCR	C11-C10-C9-C34
15	bA	846	BCR	C16-C17-C18-C36
15	bI	101	BCR	C35-C13-C14-C15
15	bJ	103	BCR	C20-C21-C22-C37
15	cA	847	BCR	C16-C17-C18-C36
15	cL	205	BCR	C11-C10-C9-C34
15	dA	846	BCR	C16-C17-C18-C36
15	dI	101	BCR	C35-C13-C14-C15
15	dJ	103	BCR	C20-C21-C22-C37
15	dL	204	BCR	C20-C21-C22-C37
13	aB	818	CLA	CBA-CGA-O2A-C1
16	bA	852	LHG	O6-C4-C5-C6
16	dA	852	LHG	O6-C4-C5-C6
15	aJ	102	BCR	C7-C8-C9-C34
15	aK	205	BCR	C11-C12-C13-C35
15	cJ	102	BCR	C7-C8-C9-C34
15	dL	204	BCR	C11-C12-C13-C35
13	aA	820	CLA	C11-C12-C13-C15
13	aB	834	CLA	C11-C12-C13-C15
13	bA	809	CLA	C6-C7-C8-C10
13	bA	830	CLA	C12-C13-C15-C16
13	bA	842	CLA	C11-C10-C8-C7
13	bB	811	CLA	C11-C12-C13-C15
13	bB	829	CLA	C12-C13-C15-C16
13	bB	831	CLA	C11-C10-C8-C7
13	cA	820	CLA	C11-C12-C13-C15
13	cB	834	CLA	C11-C12-C13-C15
13	dA	809	CLA	C6-C7-C8-C10
13	dA	830	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	dA	842	CLA	C11-C10-C8-C7
13	dB	811	CLA	C11-C12-C13-C15
13	dB	829	CLA	C12-C13-C15-C16
13	dB	831	CLA	C11-C10-C8-C7
13	aA	821	CLA	C5-C6-C7-C8
13	aA	839	CLA	C5-C6-C7-C8
13	cA	821	CLA	C5-C6-C7-C8
13	cA	839	CLA	C5-C6-C7-C8
15	aA	846	BCR	C11-C12-C13-C14
15	aJ	102	BCR	C17-C18-C19-C20
15	cJ	102	BCR	C17-C18-C19-C20
13	cB	818	CLA	CBA-CGA-O2A-C1
13	aB	814	CLA	O1A-CGA-O2A-C1
13	bB	821	CLA	O1A-CGA-O2A-C1
13	cB	814	CLA	O1A-CGA-O2A-C1
13	dB	821	CLA	O1A-CGA-O2A-C1
13	bA	822	CLA	O1D-CGD-O2D-CED
13	dA	822	CLA	O1D-CGD-O2D-CED
13	aA	821	CLA	C4-C3-C5-C6
13	bB	813	CLA	C4-C3-C5-C6
13	cA	821	CLA	C4-C3-C5-C6
13	dB	813	CLA	C4-C3-C5-C6
13	aA	828	CLA	O1A-CGA-O2A-C1
13	aB	807	CLA	O1A-CGA-O2A-C1
13	cA	828	CLA	O1A-CGA-O2A-C1
13	aB	818	CLA	C2-C3-C5-C6
13	bA	821	CLA	C2-C3-C5-C6
13	bA	827	CLA	C2-C3-C5-C6
13	cB	818	CLA	C2-C3-C5-C6
13	dA	821	CLA	C2-C3-C5-C6
13	dA	827	CLA	C2-C3-C5-C6
16	bA	852	LHG	C34-C35-C36-C37
16	dA	852	LHG	C34-C35-C36-C37
13	cB	807	CLA	O1A-CGA-O2A-C1
13	bB	823	CLA	CBD-CGD-O2D-CED
13	bB	806	CLA	C16-C17-C18-C20
13	dB	806	CLA	C16-C17-C18-C20
14	bB	833	PQN	C26-C27-C28-C29
14	dB	833	PQN	C26-C27-C28-C29
13	aB	832	CLA	O1A-CGA-O2A-C1
13	cB	832	CLA	O1A-CGA-O2A-C1
13	aL	203	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
13	cL	203	CLA	C15-C16-C17-C18
15	aB	837	BCR	C20-C21-C22-C23
15	bL	201	BCR	C20-C21-C22-C23
15	cB	837	BCR	C20-C21-C22-C23
15	dL	201	BCR	C20-C21-C22-C23
16	bA	852	LHG	O6-C4-C5-O7
16	dA	852	LHG	O6-C4-C5-O7
13	dB	823	CLA	CBD-CGD-O2D-CED
13	cB	801	CLA	C13-C15-C16-C17
13	bA	806	CLA	C4-C3-C5-C6
13	bA	830	CLA	C4-C3-C5-C6
13	dA	806	CLA	C4-C3-C5-C6
13	dA	830	CLA	C4-C3-C5-C6
18	cB	839	LMG	C12-C13-C14-C15
13	aB	801	CLA	C13-C15-C16-C17
16	dA	852	LHG	C13-C14-C15-C16
18	aB	839	LMG	C12-C13-C14-C15
16	bA	852	LHG	C13-C14-C15-C16
13	bB	811	CLA	C11-C12-C13-C14
13	bB	829	CLA	C14-C13-C15-C16
13	dB	811	CLA	C11-C12-C13-C14
13	dB	829	CLA	C14-C13-C15-C16
14	aA	844	PQN	C15-C16-C17-C18
14	cA	844	PQN	C15-C16-C17-C18
14	aB	835	PQN	C26-C27-C28-C29
14	cB	835	PQN	C26-C27-C28-C29
13	aA	843	CLA	C4-C3-C5-C6
13	cA	843	CLA	C4-C3-C5-C6
13	bA	841	CLA	C15-C16-C17-C18
13	bB	824	CLA	C2A-CAA-CBA-CGA
13	dA	808	CLA	C2A-CAA-CBA-CGA
13	dB	824	CLA	C2A-CAA-CBA-CGA
13	dA	841	CLA	C15-C16-C17-C18
13	cA	838	CLA	CBD-CGD-O2D-CED
13	cA	806	CLA	C15-C16-C17-C18
13	aA	838	CLA	CBD-CGD-O2D-CED
12	bA	801	CL0	C16-C17-C18-C20
12	dA	801	CL0	C16-C17-C18-C20
13	aA	806	CLA	C15-C16-C17-C18
13	bA	841	CLA	C3-C5-C6-C7
13	dA	841	CLA	C3-C5-C6-C7
13	aA	806	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	aA	809	CLA	C4B-C3B-CAB-CBB
13	aA	817	CLA	C4B-C3B-CAB-CBB
13	aA	821	CLA	C4B-C3B-CAB-CBB
13	aA	824	CLA	C4B-C3B-CAB-CBB
13	aA	833	CLA	C4B-C3B-CAB-CBB
13	aA	834	CLA	C4B-C3B-CAB-CBB
13	aA	837	CLA	C4B-C3B-CAB-CBB
13	aA	841	CLA	C4B-C3B-CAB-CBB
13	aB	818	CLA	C4B-C3B-CAB-CBB
13	aB	823	CLA	C4B-C3B-CAB-CBB
13	aB	831	CLA	C4B-C3B-CAB-CBB
13	aB	832	CLA	C4B-C3B-CAB-CBB
13	aB	833	CLA	C4B-C3B-CAB-CBB
13	aJ	101	CLA	C4B-C3B-CAB-CBB
13	aK	203	CLA	C4B-C3B-CAB-CBB
13	aK	204	CLA	C4B-C3B-CAB-CBB
13	aL	203	CLA	C4B-C3B-CAB-CBB
13	bA	807	CLA	C4B-C3B-CAB-CBB
13	bA	810	CLA	C4B-C3B-CAB-CBB
13	bA	813	CLA	C4B-C3B-CAB-CBB
13	bA	817	CLA	C4B-C3B-CAB-CBB
13	bA	819	CLA	C4B-C3B-CAB-CBB
13	bA	821	CLA	C4B-C3B-CAB-CBB
13	bA	823	CLA	C1A-C2A-CAA-CBA
13	bA	823	CLA	C4B-C3B-CAB-CBB
13	bA	824	CLA	C4B-C3B-CAB-CBB
13	bA	830	CLA	C4B-C3B-CAB-CBB
13	bA	831	CLA	C4B-C3B-CAB-CBB
13	bA	837	CLA	C4B-C3B-CAB-CBB
13	bA	843	CLA	C4B-C3B-CAB-CBB
13	bB	817	CLA	C4B-C3B-CAB-CBB
13	bB	820	CLA	C4B-C3B-CAB-CBB
13	bB	823	CLA	C4B-C3B-CAB-CBB
13	bB	828	CLA	C4B-C3B-CAB-CBB
13	bB	830	CLA	C4B-C3B-CAB-CBB
13	bB	831	CLA	C4B-C3B-CAB-CBB
13	bL	202	CLA	C1A-C2A-CAA-CBA
13	bL	203	CLA	C4B-C3B-CAB-CBB
13	cA	806	CLA	C4B-C3B-CAB-CBB
13	cA	809	CLA	C4B-C3B-CAB-CBB
13	cA	817	CLA	C4B-C3B-CAB-CBB
13	cA	821	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	cA	824	CLA	C4B-C3B-CAB-CBB
13	cA	833	CLA	C4B-C3B-CAB-CBB
13	cA	834	CLA	C4B-C3B-CAB-CBB
13	cA	837	CLA	C4B-C3B-CAB-CBB
13	cA	841	CLA	C4B-C3B-CAB-CBB
13	cB	818	CLA	C4B-C3B-CAB-CBB
13	cB	823	CLA	C4B-C3B-CAB-CBB
13	cB	831	CLA	C4B-C3B-CAB-CBB
13	cB	832	CLA	C4B-C3B-CAB-CBB
13	cB	833	CLA	C4B-C3B-CAB-CBB
13	cJ	101	CLA	C4B-C3B-CAB-CBB
13	cK	203	CLA	C4B-C3B-CAB-CBB
13	cK	204	CLA	C4B-C3B-CAB-CBB
13	cL	203	CLA	C4B-C3B-CAB-CBB
13	dA	807	CLA	C4B-C3B-CAB-CBB
13	dA	810	CLA	C4B-C3B-CAB-CBB
13	dA	813	CLA	C4B-C3B-CAB-CBB
13	dA	817	CLA	C4B-C3B-CAB-CBB
13	dA	819	CLA	C4B-C3B-CAB-CBB
13	dA	821	CLA	C4B-C3B-CAB-CBB
13	dA	823	CLA	C1A-C2A-CAA-CBA
13	dA	823	CLA	C4B-C3B-CAB-CBB
13	dA	824	CLA	C4B-C3B-CAB-CBB
13	dA	830	CLA	C4B-C3B-CAB-CBB
13	dA	831	CLA	C4B-C3B-CAB-CBB
13	dA	837	CLA	C4B-C3B-CAB-CBB
13	dA	843	CLA	C4B-C3B-CAB-CBB
13	dB	817	CLA	C4B-C3B-CAB-CBB
13	dB	820	CLA	C4B-C3B-CAB-CBB
13	dB	823	CLA	C4B-C3B-CAB-CBB
13	dB	828	CLA	C4B-C3B-CAB-CBB
13	dB	830	CLA	C4B-C3B-CAB-CBB
13	dB	831	CLA	C4B-C3B-CAB-CBB
13	dL	202	CLA	C1A-C2A-CAA-CBA
13	dL	203	CLA	C4B-C3B-CAB-CBB
15	bA	846	BCR	C6-C7-C8-C9
15	dA	846	BCR	C6-C7-C8-C9
13	aB	825	CLA	CAA-CBA-CGA-O2A
13	cB	825	CLA	CAA-CBA-CGA-O2A
13	aA	821	CLA	C2-C3-C5-C6
13	bB	829	CLA	C2-C3-C5-C6
13	cA	821	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	dB	829	CLA	C2-C3-C5-C6
15	aM	101	BCR	C13-C14-C15-C16
15	cM	101	BCR	C13-C14-C15-C16
13	aB	818	CLA	O1A-CGA-O2A-C1
13	cB	818	CLA	O1A-CGA-O2A-C1
13	bA	808	CLA	C2A-CAA-CBA-CGA
13	bB	829	CLA	C2A-CAA-CBA-CGA
13	dB	829	CLA	C2A-CAA-CBA-CGA
13	bB	817	CLA	CBD-CGD-O2D-CED
13	bB	831	CLA	CBD-CGD-O2D-CED
13	dB	817	CLA	CBD-CGD-O2D-CED
13	dB	831	CLA	CBD-CGD-O2D-CED
13	aA	820	CLA	C11-C10-C8-C7
13	aA	831	CLA	C12-C13-C15-C16
13	aB	803	CLA	C12-C13-C15-C16
13	aB	814	CLA	C11-C12-C13-C15
13	aB	824	CLA	C6-C7-C8-C10
13	aB	833	CLA	C6-C7-C8-C10
13	aB	834	CLA	C11-C10-C8-C7
13	bA	820	CLA	C11-C12-C13-C15
13	bA	828	CLA	C12-C13-C15-C16
13	bA	829	CLA	C12-C13-C15-C16
13	bB	829	CLA	C11-C10-C8-C7
13	bB	832	CLA	C12-C13-C15-C16
13	cA	820	CLA	C11-C10-C8-C7
13	cA	831	CLA	C12-C13-C15-C16
13	cB	803	CLA	C12-C13-C15-C16
13	cB	814	CLA	C11-C12-C13-C15
13	cB	824	CLA	C6-C7-C8-C10
13	cB	833	CLA	C6-C7-C8-C10
13	cB	834	CLA	C11-C10-C8-C7
13	dA	820	CLA	C11-C12-C13-C15
13	dA	828	CLA	C12-C13-C15-C16
13	dA	829	CLA	C12-C13-C15-C16
13	dB	829	CLA	C11-C10-C8-C7
13	dB	832	CLA	C12-C13-C15-C16
13	aA	836	CLA	CBA-CGA-O2A-C1
13	cA	836	CLA	CBA-CGA-O2A-C1
13	aB	807	CLA	C4-C3-C5-C6
13	aB	834	CLA	C4-C3-C5-C6
13	cB	807	CLA	C4-C3-C5-C6
13	cB	834	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	bA	841	CLA	C16-C17-C18-C19
13	dA	841	CLA	C16-C17-C18-C19
13	dB	819	CLA	O1D-CGD-O2D-CED
13	aA	835	CLA	C10-C11-C12-C13
13	cA	835	CLA	C10-C11-C12-C13
13	aA	834	CLA	C11-C12-C13-C14
13	aA	835	CLA	C14-C13-C15-C16
13	aB	818	CLA	C11-C10-C8-C9
13	bA	809	CLA	C6-C7-C8-C9
13	bB	806	CLA	C14-C13-C15-C16
13	cA	834	CLA	C11-C12-C13-C14
13	cA	835	CLA	C14-C13-C15-C16
13	cB	818	CLA	C11-C10-C8-C9
13	dA	809	CLA	C6-C7-C8-C9
13	dB	806	CLA	C14-C13-C15-C16
13	bB	807	CLA	C5-C6-C7-C8
13	dB	807	CLA	C5-C6-C7-C8
13	bB	819	CLA	O1D-CGD-O2D-CED
13	aB	808	CLA	C5-C6-C7-C8
13	aB	825	CLA	C1-C2-C3-C4
13	bB	824	CLA	C1-C2-C3-C4
13	cB	825	CLA	C1-C2-C3-C4
13	dB	824	CLA	C1-C2-C3-C4
16	cA	850	LHG	C9-C10-C11-C12
13	aA	836	CLA	O1A-CGA-O2A-C1
13	cA	836	CLA	O1A-CGA-O2A-C1
16	aA	850	LHG	C9-C10-C11-C12
13	aK	204	CLA	CBA-CGA-O2A-C1
13	cK	204	CLA	CBA-CGA-O2A-C1
13	cB	808	CLA	C5-C6-C7-C8
13	cA	818	CLA	C16-C17-C18-C20
14	bB	833	PQN	C26-C27-C28-C30
14	dB	833	PQN	C26-C27-C28-C30
13	aA	826	CLA	C4-C3-C5-C6
13	aB	822	CLA	C4-C3-C5-C6
13	bB	826	CLA	C4-C3-C5-C6
13	cA	826	CLA	C4-C3-C5-C6
13	dB	826	CLA	C4-C3-C5-C6
13	dB	806	CLA	C15-C16-C17-C18
13	aB	822	CLA	CAA-CBA-CGA-O2A
13	cB	822	CLA	CAA-CBA-CGA-O2A
13	aA	843	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	aB	834	CLA	C2-C3-C5-C6
13	bB	811	CLA	C2-C3-C5-C6
13	cA	843	CLA	C2-C3-C5-C6
13	cB	834	CLA	C2-C3-C5-C6
13	dB	811	CLA	C2-C3-C5-C6
13	aA	815	CLA	CAD-CBD-CGD-O2D
13	aA	816	CLA	CAD-CBD-CGD-O2D
13	aA	839	CLA	CAD-CBD-CGD-O2D
13	aB	807	CLA	CAD-CBD-CGD-O2D
13	aJ	101	CLA	CAD-CBD-CGD-O2D
13	bA	816	CLA	CAD-CBD-CGD-O2D
13	bB	813	CLA	CAD-CBD-CGD-O2D
13	cA	815	CLA	CAD-CBD-CGD-O2D
13	cA	816	CLA	CAD-CBD-CGD-O2D
13	cA	839	CLA	CAD-CBD-CGD-O2D
13	cB	807	CLA	CAD-CBD-CGD-O2D
13	cJ	101	CLA	CAD-CBD-CGD-O2D
13	dA	816	CLA	CAD-CBD-CGD-O2D
13	dB	813	CLA	CAD-CBD-CGD-O2D
13	bB	806	CLA	C15-C16-C17-C18
13	bB	816	CLA	C5-C6-C7-C8
13	dB	816	CLA	C5-C6-C7-C8
13	bA	842	CLA	O1A-CGA-O2A-C1
13	dA	842	CLA	O1A-CGA-O2A-C1
13	dA	833	CLA	C8-C10-C11-C12
13	dA	830	CLA	CBD-CGD-O2D-CED
13	aA	818	CLA	C16-C17-C18-C20
13	bB	804	CLA	C16-C17-C18-C20
13	dB	804	CLA	C16-C17-C18-C20
13	aA	804	CLA	C2A-CAA-CBA-CGA
13	cA	804	CLA	C2A-CAA-CBA-CGA
13	bA	833	CLA	C8-C10-C11-C12
13	aA	815	CLA	CAD-CBD-CGD-O1D
13	aA	816	CLA	CAD-CBD-CGD-O1D
13	aA	826	CLA	CAD-CBD-CGD-O1D
13	aA	832	CLA	CAD-CBD-CGD-O1D
13	aA	839	CLA	CAD-CBD-CGD-O1D
13	aB	807	CLA	CAD-CBD-CGD-O1D
13	aB	815	CLA	CHA-CBD-CGD-O1D
13	aB	816	CLA	CHA-CBD-CGD-O1D
13	aB	821	CLA	CAD-CBD-CGD-O1D
13	aB	827	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	aB	828	CLA	CHA-CBD-CGD-O2D
13	aB	834	CLA	CAD-CBD-CGD-O1D
13	aJ	101	CLA	CAD-CBD-CGD-O1D
13	bA	804	CLA	CHA-CBD-CGD-O2D
13	bA	806	CLA	CAD-CBD-CGD-O1D
13	bA	816	CLA	CAD-CBD-CGD-O1D
13	bA	839	CLA	CAD-CBD-CGD-O1D
13	bB	806	CLA	CAD-CBD-CGD-O1D
13	bB	813	CLA	CAD-CBD-CGD-O1D
13	bB	820	CLA	CAD-CBD-CGD-O1D
13	bB	826	CLA	CHA-CBD-CGD-O1D
13	bB	826	CLA	CHA-CBD-CGD-O2D
13	bJ	101	CLA	CAD-CBD-CGD-O1D
13	cA	815	CLA	CAD-CBD-CGD-O1D
13	cA	816	CLA	CAD-CBD-CGD-O1D
13	cA	826	CLA	CAD-CBD-CGD-O1D
13	cA	832	CLA	CAD-CBD-CGD-O1D
13	cA	839	CLA	CAD-CBD-CGD-O1D
13	cB	807	CLA	CAD-CBD-CGD-O1D
13	cB	815	CLA	CHA-CBD-CGD-O1D
13	cB	816	CLA	CHA-CBD-CGD-O1D
13	cB	821	CLA	CAD-CBD-CGD-O1D
13	cB	827	CLA	CHA-CBD-CGD-O2D
13	cB	828	CLA	CHA-CBD-CGD-O2D
13	cB	834	CLA	CAD-CBD-CGD-O1D
13	cJ	101	CLA	CAD-CBD-CGD-O1D
13	dA	804	CLA	CHA-CBD-CGD-O2D
13	dA	806	CLA	CAD-CBD-CGD-O1D
13	dA	816	CLA	CAD-CBD-CGD-O1D
13	dA	839	CLA	CAD-CBD-CGD-O1D
13	dB	806	CLA	CAD-CBD-CGD-O1D
13	dB	813	CLA	CAD-CBD-CGD-O1D
13	dB	820	CLA	CAD-CBD-CGD-O1D
13	dB	826	CLA	CHA-CBD-CGD-O1D
13	dB	826	CLA	CHA-CBD-CGD-O2D
13	dJ	101	CLA	CAD-CBD-CGD-O1D
15	aB	836	BCR	C15-C16-C17-C18
15	aB	838	BCR	C15-C16-C17-C18
15	aJ	104	BCR	C15-C16-C17-C18
15	bF	202	BCR	C15-C16-C17-C18
15	cB	836	BCR	C15-C16-C17-C18
15	cB	838	BCR	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
15	cJ	104	BCR	C15-C16-C17-C18
15	dF	202	BCR	C15-C16-C17-C18
15	dI	102	BCR	C35-C13-C14-C15
16	aA	850	LHG	C3-O3-P-O4
16	aA	851	LHG	C4-O6-P-O5
16	bA	852	LHG	C4-O6-P-O3
16	bA	853	LHG	C3-O3-P-O4
16	cA	850	LHG	C3-O3-P-O4
16	cA	851	LHG	C4-O6-P-O5
16	dA	852	LHG	C4-O6-P-O3
16	dA	853	LHG	C3-O3-P-O4
13	bA	831	CLA	C3-C5-C6-C7
13	dA	831	CLA	C3-C5-C6-C7
13	bA	830	CLA	CBD-CGD-O2D-CED
13	aA	809	CLA	C4-C3-C5-C6
13	bA	834	CLA	C4-C3-C5-C6
13	bB	811	CLA	C4-C3-C5-C6
13	bB	821	CLA	C4-C3-C5-C6
13	bB	823	CLA	C4-C3-C5-C6
13	cA	809	CLA	C4-C3-C5-C6
13	cB	822	CLA	C4-C3-C5-C6
13	dA	834	CLA	C4-C3-C5-C6
13	dB	811	CLA	C4-C3-C5-C6
13	dB	821	CLA	C4-C3-C5-C6
13	dB	823	CLA	C4-C3-C5-C6
13	aA	806	CLA	C2B-C3B-CAB-CBB
13	aA	815	CLA	C2B-C3B-CAB-CBB
13	aA	817	CLA	C2B-C3B-CAB-CBB
13	aA	821	CLA	C2B-C3B-CAB-CBB
13	aA	824	CLA	C2B-C3B-CAB-CBB
13	aA	827	CLA	C2B-C3B-CAB-CBB
13	aA	830	CLA	C2B-C3B-CAB-CBB
13	aA	834	CLA	C2B-C3B-CAB-CBB
13	aA	837	CLA	C2B-C3B-CAB-CBB
13	aB	805	CLA	C2B-C3B-CAB-CBB
13	aB	832	CLA	C2B-C3B-CAB-CBB
13	aK	204	CLA	C2B-C3B-CAB-CBB
13	aL	204	CLA	C2B-C3B-CAB-CBB
13	bB	821	CLA	C2B-C3B-CAB-CBB
13	bB	824	CLA	C2B-C3B-CAB-CBB
13	bB	830	CLA	C2B-C3B-CAB-CBB
13	bB	831	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	cA	806	CLA	C2B-C3B-CAB-CBB
13	cA	815	CLA	C2B-C3B-CAB-CBB
13	cA	817	CLA	C2B-C3B-CAB-CBB
13	cA	821	CLA	C2B-C3B-CAB-CBB
13	cA	824	CLA	C2B-C3B-CAB-CBB
13	cA	827	CLA	C2B-C3B-CAB-CBB
13	cA	830	CLA	C2B-C3B-CAB-CBB
13	cA	834	CLA	C2B-C3B-CAB-CBB
13	cA	837	CLA	C2B-C3B-CAB-CBB
13	cB	805	CLA	C2B-C3B-CAB-CBB
13	cB	832	CLA	C2B-C3B-CAB-CBB
13	cK	204	CLA	C2B-C3B-CAB-CBB
13	cL	204	CLA	C2B-C3B-CAB-CBB
13	dB	821	CLA	C2B-C3B-CAB-CBB
13	dB	824	CLA	C2B-C3B-CAB-CBB
13	dB	830	CLA	C2B-C3B-CAB-CBB
13	dB	831	CLA	C2B-C3B-CAB-CBB
15	aB	837	BCR	C1-C6-C7-C8
15	aJ	104	BCR	C1-C6-C7-C8
15	aL	201	BCR	C23-C24-C25-C26
15	aL	206	BCR	C1-C6-C7-C8
15	bJ	103	BCR	C1-C6-C7-C8
15	bM	101	BCR	C1-C6-C7-C8
15	cB	837	BCR	C1-C6-C7-C8
15	cJ	104	BCR	C1-C6-C7-C8
15	cL	201	BCR	C23-C24-C25-C26
15	cL	206	BCR	C1-C6-C7-C8
15	dJ	103	BCR	C1-C6-C7-C8
15	dM	101	BCR	C1-C6-C7-C8
13	bA	806	CLA	C2-C3-C5-C6
13	bA	830	CLA	C2-C3-C5-C6
13	bB	813	CLA	C2-C3-C5-C6
13	dA	806	CLA	C2-C3-C5-C6
13	dA	830	CLA	C2-C3-C5-C6
13	dB	813	CLA	C2-C3-C5-C6
15	aA	845	BCR	C36-C18-C19-C20
15	aL	206	BCR	C7-C8-C9-C34
15	cA	845	BCR	C36-C18-C19-C20
15	cL	206	BCR	C7-C8-C9-C34
16	aA	850	LHG	C2-C3-O3-P
16	cA	850	LHG	C2-C3-O3-P
13	bA	806	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
13	dA	806	CLA	C5-C6-C7-C8
18	dB	837	LMG	C24-C25-C26-C27
13	bB	821	CLA	C16-C17-C18-C19
13	dB	821	CLA	C16-C17-C18-C19
13	aA	843	CLA	C2C-C3C-CAC-CBC
13	cA	843	CLA	C2C-C3C-CAC-CBC
18	bB	837	LMG	C24-C25-C26-C27
13	aA	819	CLA	CAA-CBA-CGA-O2A
13	cA	819	CLA	CAA-CBA-CGA-O2A
13	aB	806	CLA	C6-C7-C8-C9
13	cB	806	CLA	C6-C7-C8-C9
13	aA	818	CLA	C16-C17-C18-C19
13	cA	818	CLA	C16-C17-C18-C19
13	cB	810	CLA	C10-C11-C12-C13
18	aB	839	LMG	C17-C18-C19-C20
18	aB	839	LMG	C18-C19-C20-C21
18	cB	839	LMG	C17-C18-C19-C20
18	cB	839	LMG	C18-C19-C20-C21
13	aB	810	CLA	C10-C11-C12-C13
13	bA	829	CLA	C16-C17-C18-C20
13	dA	829	CLA	C16-C17-C18-C20
13	cL	203	CLA	C10-C11-C12-C13
13	bA	842	CLA	CBA-CGA-O2A-C1
13	dA	842	CLA	CBA-CGA-O2A-C1
13	aA	829	CLA	C14-C13-C15-C16
13	aB	824	CLA	C6-C7-C8-C9
13	aB	827	CLA	C11-C10-C8-C9
13	bA	831	CLA	C14-C13-C15-C16
13	bA	842	CLA	C11-C10-C8-C9
13	bB	829	CLA	C11-C10-C8-C9
13	cA	829	CLA	C14-C13-C15-C16
13	cB	824	CLA	C6-C7-C8-C9
13	cB	827	CLA	C11-C10-C8-C9
13	dA	831	CLA	C14-C13-C15-C16
13	dA	842	CLA	C11-C10-C8-C9
13	dB	829	CLA	C11-C10-C8-C9
13	bB	826	CLA	C10-C11-C12-C13
13	dB	826	CLA	C10-C11-C12-C13
13	aA	809	CLA	C6-C7-C8-C10
13	aB	801	CLA	C11-C10-C8-C7
13	aB	827	CLA	C11-C10-C8-C7
13	cA	809	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
13	cB	801	CLA	C11-C10-C8-C7
13	cB	827	CLA	C11-C10-C8-C7
13	aB	831	CLA	C10-C11-C12-C13
13	aL	203	CLA	C10-C11-C12-C13
15	aM	101	BCR	C11-C10-C9-C8
15	cM	101	BCR	C11-C10-C9-C8
15	dI	102	BCR	C22-C23-C24-C25
13	dA	813	CLA	C2A-CAA-CBA-CGA
16	bA	852	LHG	C30-C31-C32-C33
13	aA	827	CLA	C4-C3-C5-C6
13	aA	828	CLA	C4-C3-C5-C6
13	cA	827	CLA	C4-C3-C5-C6
13	cA	828	CLA	C4-C3-C5-C6
16	dA	852	LHG	C30-C31-C32-C33
13	aA	813	CLA	CBA-CGA-O2A-C1
13	cA	813	CLA	CBA-CGA-O2A-C1
14	aB	835	PQN	C26-C27-C28-C30
14	cB	835	PQN	C26-C27-C28-C30
13	cA	843	CLA	C4C-C3C-CAC-CBC
13	cB	807	CLA	CBD-CGD-O2D-CED
13	aB	805	CLA	C10-C11-C12-C13
13	bA	802	CLA	C10-C11-C12-C13
13	cB	805	CLA	C10-C11-C12-C13
13	cB	831	CLA	C10-C11-C12-C13
13	dA	802	CLA	C10-C11-C12-C13
13	aA	843	CLA	C4C-C3C-CAC-CBC
13	aA	830	CLA	CAA-CBA-CGA-O2A
13	bB	825	CLA	CAA-CBA-CGA-O2A
13	cA	830	CLA	CAA-CBA-CGA-O2A
13	aA	813	CLA	O1A-CGA-O2A-C1
13	cA	813	CLA	O1A-CGA-O2A-C1
15	bA	847	BCR	C13-C14-C15-C16
15	dA	847	BCR	C13-C14-C15-C16
13	dB	825	CLA	CAA-CBA-CGA-O2A
13	bA	813	CLA	C2A-CAA-CBA-CGA
13	bB	803	CLA	C13-C15-C16-C17
13	dB	803	CLA	C13-C15-C16-C17
13	aA	802	CLA	O1D-CGD-O2D-CED
16	aA	850	LHG	C13-C14-C15-C16
13	bB	823	CLA	C2-C1-O2A-CGA
13	bB	825	CLA	C2-C1-O2A-CGA
13	dB	823	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
13	dB	825	CLA	C2-C1-O2A-CGA
16	dA	852	LHG	C4-C5-C6-O8
16	cA	850	LHG	C13-C14-C15-C16
13	cA	802	CLA	O1D-CGD-O2D-CED
13	dB	824	CLA	CAA-CBA-CGA-O2A
13	aB	807	CLA	CBD-CGD-O2D-CED
13	aA	837	CLA	C2A-CAA-CBA-CGA
13	cA	837	CLA	C2A-CAA-CBA-CGA
15	bB	835	BCR	C9-C10-C11-C12
15	dB	835	BCR	C9-C10-C11-C12
12	bA	801	CL0	C4-C3-C5-C6
12	dA	801	CL0	C4-C3-C5-C6
13	aA	823	CLA	C4-C3-C5-C6
13	cA	823	CLA	C4-C3-C5-C6
13	aA	842	CLA	C10-C11-C12-C13
13	bB	824	CLA	CAA-CBA-CGA-O2A
13	aB	804	CLA	C13-C15-C16-C17
13	cA	842	CLA	C10-C11-C12-C13
13	cB	804	CLA	C13-C15-C16-C17
13	dA	830	CLA	C13-C15-C16-C17
16	dA	852	LHG	C32-C33-C34-C35
13	cB	805	CLA	C16-C17-C18-C20
13	aA	807	CLA	CAA-CBA-CGA-O2A
13	cA	807	CLA	CAA-CBA-CGA-O2A
13	aA	831	CLA	C14-C13-C15-C16
13	aB	807	CLA	C14-C13-C15-C16
13	aB	814	CLA	C11-C12-C13-C14
13	bA	820	CLA	C11-C12-C13-C14
13	bA	828	CLA	C14-C13-C15-C16
13	bA	829	CLA	C14-C13-C15-C16
13	bB	802	CLA	C14-C13-C15-C16
13	cA	831	CLA	C14-C13-C15-C16
13	cB	807	CLA	C14-C13-C15-C16
13	cB	814	CLA	C11-C12-C13-C14
13	dA	820	CLA	C11-C12-C13-C14
13	dA	828	CLA	C14-C13-C15-C16
13	dA	829	CLA	C14-C13-C15-C16
13	dB	802	CLA	C14-C13-C15-C16
16	bA	852	LHG	C32-C33-C34-C35
13	aB	833	CLA	CBA-CGA-O2A-C1
13	cB	833	CLA	CBA-CGA-O2A-C1
13	aL	202	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	bA	811	CLA	C4B-C3B-CAB-CBB
13	bA	826	CLA	C4B-C3B-CAB-CBB
13	bB	827	CLA	C4B-C3B-CAB-CBB
13	cL	202	CLA	C4B-C3B-CAB-CBB
13	dA	811	CLA	C4B-C3B-CAB-CBB
13	dA	826	CLA	C4B-C3B-CAB-CBB
13	dB	827	CLA	C4B-C3B-CAB-CBB
13	bA	830	CLA	C13-C15-C16-C17
13	bB	804	CLA	C10-C11-C12-C13
13	aB	805	CLA	C16-C17-C18-C20
14	aB	835	PQN	C18-C20-C21-C22
13	aA	807	CLA	C4-C3-C5-C6
13	aA	841	CLA	C4-C3-C5-C6
13	aB	823	CLA	C4-C3-C5-C6
13	cA	807	CLA	C4-C3-C5-C6
13	cA	841	CLA	C4-C3-C5-C6
13	cB	823	CLA	C4-C3-C5-C6
13	aA	806	CLA	CAA-CBA-CGA-O2A
13	cA	806	CLA	CAA-CBA-CGA-O2A
13	aA	828	CLA	C2-C3-C5-C6
13	aB	822	CLA	C2-C3-C5-C6
13	bA	834	CLA	C2-C3-C5-C6
13	bB	826	CLA	C2-C3-C5-C6
13	cA	828	CLA	C2-C3-C5-C6
13	dA	834	CLA	C2-C3-C5-C6
13	dB	826	CLA	C2-C3-C5-C6
15	aB	837	BCR	C9-C10-C11-C12
15	cB	837	BCR	C9-C10-C11-C12
13	dB	804	CLA	C10-C11-C12-C13
14	cB	835	PQN	C18-C20-C21-C22
13	bA	818	CLA	C16-C17-C18-C20
13	dA	818	CLA	C16-C17-C18-C20
13	aA	818	CLA	C6-C7-C8-C10
13	aB	826	CLA	C11-C12-C13-C15
13	bB	802	CLA	C12-C13-C15-C16
13	bB	806	CLA	C11-C10-C8-C7
13	bB	821	CLA	C12-C13-C15-C16
13	cA	818	CLA	C6-C7-C8-C10
13	cB	826	CLA	C11-C12-C13-C15
13	dB	802	CLA	C12-C13-C15-C16
13	dB	806	CLA	C11-C10-C8-C7
13	dB	821	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	aA	831	CLA	O1A-CGA-O2A-C1
13	cA	831	CLA	O1A-CGA-O2A-C1
13	dA	841	CLA	O1A-CGA-O2A-C1
13	bF	204	CLA	CAA-CBA-CGA-O2A
13	dF	204	CLA	CAA-CBA-CGA-O2A
13	aB	834	CLA	C3-C5-C6-C7
13	cB	834	CLA	C3-C5-C6-C7
13	bA	841	CLA	O1A-CGA-O2A-C1
13	aA	831	CLA	CBA-CGA-O2A-C1
13	cA	831	CLA	CBA-CGA-O2A-C1
13	bA	829	CLA	C16-C17-C18-C19
13	dA	829	CLA	C16-C17-C18-C19
13	aL	202	CLA	C3A-C2A-CAA-CBA
13	bA	823	CLA	C3A-C2A-CAA-CBA
13	cL	202	CLA	C3A-C2A-CAA-CBA
13	dA	823	CLA	C3A-C2A-CAA-CBA
13	aA	827	CLA	C2-C3-C5-C6
13	aB	807	CLA	C2-C3-C5-C6
13	cA	827	CLA	C2-C3-C5-C6
13	cB	807	CLA	C2-C3-C5-C6
13	cB	822	CLA	C2-C3-C5-C6
13	bA	837	CLA	CAA-CBA-CGA-O1A
13	dA	837	CLA	CAA-CBA-CGA-O1A
15	aJ	104	BCR	C22-C23-C24-C25
15	bB	834	BCR	C11-C10-C9-C34
15	bF	203	BCR	C35-C13-C14-C15
15	bI	102	BCR	C35-C13-C14-C15
15	bI	102	BCR	C22-C23-C24-C25
15	cJ	104	BCR	C22-C23-C24-C25
15	dB	834	BCR	C11-C10-C9-C34
15	dF	203	BCR	C35-C13-C14-C15
13	dA	819	CLA	CAA-CBA-CGA-O1A
13	aA	804	CLA	CAA-CBA-CGA-O1A
13	cA	804	CLA	CAA-CBA-CGA-O1A
13	dB	820	CLA	C13-C15-C16-C17
13	bA	815	CLA	CBD-CGD-O2D-CED
13	dA	815	CLA	CBD-CGD-O2D-CED
13	dB	823	CLA	O1D-CGD-O2D-CED
13	aA	830	CLA	C13-C15-C16-C17
13	bB	820	CLA	C13-C15-C16-C17
13	cA	830	CLA	C13-C15-C16-C17
13	bA	814	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
13	bA	814	CLA	CAA-CBA-CGA-O2A
13	dA	814	CLA	CAA-CBA-CGA-O1A
13	dA	814	CLA	CAA-CBA-CGA-O2A
13	aA	838	CLA	C4-C3-C5-C6
13	cA	838	CLA	C4-C3-C5-C6
13	bA	819	CLA	CAA-CBA-CGA-O1A
13	dF	204	CLA	CAA-CBA-CGA-O1A
13	aA	842	CLA	C4-C3-C5-C6
13	aB	811	CLA	C4-C3-C5-C6
13	bA	835	CLA	C4-C3-C5-C6
13	bB	817	CLA	C4-C3-C5-C6
13	cA	842	CLA	C4-C3-C5-C6
13	cB	811	CLA	C4-C3-C5-C6
13	dA	835	CLA	C4-C3-C5-C6
13	dB	817	CLA	C4-C3-C5-C6
13	aA	826	CLA	C2-C3-C5-C6
13	bB	821	CLA	C2-C3-C5-C6
13	cA	826	CLA	C2-C3-C5-C6
13	dB	821	CLA	C2-C3-C5-C6
13	aB	814	CLA	C16-C17-C18-C20
13	cB	814	CLA	C16-C17-C18-C20
13	dA	804	CLA	CAA-CBA-CGA-O1A
13	aB	833	CLA	O1A-CGA-O2A-C1
13	cB	833	CLA	O1A-CGA-O2A-C1
16	bA	852	LHG	C4-C5-C6-O8
13	bA	829	CLA	C15-C16-C17-C18
13	dA	829	CLA	C15-C16-C17-C18
13	dA	843	CLA	C10-C11-C12-C13
13	bA	804	CLA	CAA-CBA-CGA-O1A
13	bA	837	CLA	CAA-CBA-CGA-O2A
13	bF	204	CLA	CAA-CBA-CGA-O1A
13	dA	837	CLA	CAA-CBA-CGA-O2A
13	aA	818	CLA	C6-C7-C8-C9
13	aA	826	CLA	C6-C7-C8-C9
13	aA	829	CLA	C11-C10-C8-C9
13	aB	810	CLA	C14-C13-C15-C16
13	aB	833	CLA	C6-C7-C8-C9
13	bA	809	CLA	C11-C12-C13-C14
13	bA	812	CLA	C14-C13-C15-C16
13	bB	806	CLA	C11-C10-C8-C9
13	bB	807	CLA	C14-C13-C15-C16
13	bB	809	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
13	bB	822	CLA	C6-C7-C8-C9
13	bB	826	CLA	C6-C7-C8-C9
13	cA	818	CLA	C6-C7-C8-C9
13	cA	826	CLA	C6-C7-C8-C9
13	cA	829	CLA	C11-C10-C8-C9
13	cB	810	CLA	C14-C13-C15-C16
13	cB	833	CLA	C6-C7-C8-C9
13	dA	809	CLA	C11-C12-C13-C14
13	dA	812	CLA	C14-C13-C15-C16
13	dB	806	CLA	C11-C10-C8-C9
13	dB	807	CLA	C14-C13-C15-C16
13	dB	809	CLA	C14-C13-C15-C16
13	dB	822	CLA	C6-C7-C8-C9
13	dB	826	CLA	C6-C7-C8-C9
14	bA	845	PQN	C19-C18-C20-C21
14	dA	845	PQN	C19-C18-C20-C21
13	aB	808	CLA	C16-C17-C18-C20
13	cB	808	CLA	C16-C17-C18-C20
13	bA	807	CLA	C8-C10-C11-C12
13	bA	843	CLA	C10-C11-C12-C13
13	bB	823	CLA	O1D-CGD-O2D-CED
13	dA	807	CLA	C8-C10-C11-C12
13	bA	835	CLA	C2-C3-C5-C6
13	dA	835	CLA	C2-C3-C5-C6
13	aA	814	CLA	CAA-CBA-CGA-O1A
13	aA	809	CLA	C2A-CAA-CBA-CGA
13	aA	834	CLA	C2A-CAA-CBA-CGA
13	aB	817	CLA	C2A-CAA-CBA-CGA
13	cA	809	CLA	C2A-CAA-CBA-CGA
13	cA	834	CLA	C2A-CAA-CBA-CGA
13	cB	817	CLA	C2A-CAA-CBA-CGA
13	aB	807	CLA	CAA-CBA-CGA-O1A
13	cB	807	CLA	CAA-CBA-CGA-O1A
13	aA	811	CLA	C1A-C2A-CAA-CBA
13	aB	829	CLA	C1A-C2A-CAA-CBA
13	bA	841	CLA	C1A-C2A-CAA-CBA
13	bL	203	CLA	C1A-C2A-CAA-CBA
13	cA	811	CLA	C1A-C2A-CAA-CBA
13	cB	829	CLA	C1A-C2A-CAA-CBA
13	dA	841	CLA	C1A-C2A-CAA-CBA
13	dL	203	CLA	C1A-C2A-CAA-CBA
15	aF	203	BCR	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
15	bB	834	BCR	C11-C10-C9-C8
15	cF	203	BCR	C12-C13-C14-C15
15	dB	834	BCR	C11-C10-C9-C8
13	aA	842	CLA	C16-C17-C18-C20
13	cA	842	CLA	C16-C17-C18-C20
13	aK	201	CLA	CAA-CBA-CGA-O1A
13	cA	814	CLA	CAA-CBA-CGA-O1A
13	aA	807	CLA	C2B-C3B-CAB-CBB
13	aA	809	CLA	C2B-C3B-CAB-CBB
13	aA	816	CLA	C2B-C3B-CAB-CBB
13	aA	833	CLA	C2B-C3B-CAB-CBB
13	aB	823	CLA	C2B-C3B-CAB-CBB
13	aB	831	CLA	C2B-C3B-CAB-CBB
13	aB	833	CLA	C2B-C3B-CAB-CBB
13	aJ	101	CLA	C2B-C3B-CAB-CBB
13	aK	203	CLA	C2B-C3B-CAB-CBB
13	aL	202	CLA	C2B-C3B-CAB-CBB
13	bA	807	CLA	C2B-C3B-CAB-CBB
13	bA	810	CLA	C2B-C3B-CAB-CBB
13	bA	811	CLA	C2B-C3B-CAB-CBB
13	bA	813	CLA	C2B-C3B-CAB-CBB
13	bA	817	CLA	C2B-C3B-CAB-CBB
13	bA	819	CLA	C2B-C3B-CAB-CBB
13	bA	820	CLA	C2B-C3B-CAB-CBB
13	bA	821	CLA	C2B-C3B-CAB-CBB
13	bA	824	CLA	C2B-C3B-CAB-CBB
13	bA	826	CLA	C2B-C3B-CAB-CBB
13	bA	831	CLA	C2B-C3B-CAB-CBB
13	bA	837	CLA	C2B-C3B-CAB-CBB
13	bA	843	CLA	C2B-C3B-CAB-CBB
13	bB	804	CLA	C2B-C3B-CAB-CBB
13	bB	817	CLA	C2B-C3B-CAB-CBB
13	bB	823	CLA	C2B-C3B-CAB-CBB
13	bB	827	CLA	C2B-C3B-CAB-CBB
13	bB	828	CLA	C2B-C3B-CAB-CBB
13	bL	203	CLA	C2B-C3B-CAB-CBB
13	cA	807	CLA	C2B-C3B-CAB-CBB
13	cA	809	CLA	C2B-C3B-CAB-CBB
13	cA	816	CLA	C2B-C3B-CAB-CBB
13	cA	833	CLA	C2B-C3B-CAB-CBB
13	cB	823	CLA	C2B-C3B-CAB-CBB
13	cB	831	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	cB	833	CLA	C2B-C3B-CAB-CBB
13	cJ	101	CLA	C2B-C3B-CAB-CBB
13	cK	203	CLA	C2B-C3B-CAB-CBB
13	cL	202	CLA	C2B-C3B-CAB-CBB
13	dA	807	CLA	C2B-C3B-CAB-CBB
13	dA	810	CLA	C2B-C3B-CAB-CBB
13	dA	811	CLA	C2B-C3B-CAB-CBB
13	dA	813	CLA	C2B-C3B-CAB-CBB
13	dA	817	CLA	C2B-C3B-CAB-CBB
13	dA	819	CLA	C2B-C3B-CAB-CBB
13	dA	820	CLA	C2B-C3B-CAB-CBB
13	dA	821	CLA	C2B-C3B-CAB-CBB
13	dA	824	CLA	C2B-C3B-CAB-CBB
13	dA	826	CLA	C2B-C3B-CAB-CBB
13	dA	831	CLA	C2B-C3B-CAB-CBB
13	dA	837	CLA	C2B-C3B-CAB-CBB
13	dA	843	CLA	C2B-C3B-CAB-CBB
13	dB	804	CLA	C2B-C3B-CAB-CBB
13	dB	817	CLA	C2B-C3B-CAB-CBB
13	dB	823	CLA	C2B-C3B-CAB-CBB
13	dB	827	CLA	C2B-C3B-CAB-CBB
13	dB	828	CLA	C2B-C3B-CAB-CBB
13	dL	203	CLA	C2B-C3B-CAB-CBB
15	aA	846	BCR	C5-C6-C7-C8
15	aA	847	BCR	C1-C6-C7-C8
15	aA	847	BCR	C5-C6-C7-C8
15	aA	848	BCR	C5-C6-C7-C8
15	aA	848	BCR	C23-C24-C25-C26
15	aA	848	BCR	C23-C24-C25-C30
15	aB	836	BCR	C5-C6-C7-C8
15	aB	836	BCR	C23-C24-C25-C26
15	aB	837	BCR	C5-C6-C7-C8
15	aB	837	BCR	C23-C24-C25-C26
15	aB	838	BCR	C5-C6-C7-C8
15	aB	838	BCR	C23-C24-C25-C26
15	aF	202	BCR	C5-C6-C7-C8
15	aF	203	BCR	C5-C6-C7-C8
15	aI	101	BCR	C5-C6-C7-C8
15	aJ	102	BCR	C1-C6-C7-C8
15	aJ	103	BCR	C1-C6-C7-C8
15	aJ	103	BCR	C5-C6-C7-C8
15	aJ	103	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
15	aJ	104	BCR	C5-C6-C7-C8
15	aK	202	BCR	C5-C6-C7-C8
15	aK	205	BCR	C5-C6-C7-C8
15	aK	205	BCR	C23-C24-C25-C26
15	aL	201	BCR	C5-C6-C7-C8
15	aL	205	BCR	C5-C6-C7-C8
15	aL	205	BCR	C23-C24-C25-C26
15	aL	206	BCR	C5-C6-C7-C8
15	aL	206	BCR	C23-C24-C25-C26
15	aM	101	BCR	C23-C24-C25-C26
15	bA	846	BCR	C5-C6-C7-C8
15	bA	847	BCR	C5-C6-C7-C8
15	bA	847	BCR	C23-C24-C25-C30
15	bA	848	BCR	C5-C6-C7-C8
15	bA	849	BCR	C23-C24-C25-C30
15	bA	850	BCR	C5-C6-C7-C8
15	bA	851	BCR	C23-C24-C25-C26
15	bB	834	BCR	C5-C6-C7-C8
15	bB	835	BCR	C5-C6-C7-C8
15	bB	835	BCR	C23-C24-C25-C26
15	bB	836	BCR	C5-C6-C7-C8
15	bB	836	BCR	C23-C24-C25-C26
15	bF	202	BCR	C5-C6-C7-C8
15	bF	203	BCR	C5-C6-C7-C8
15	bF	203	BCR	C23-C24-C25-C26
15	bI	101	BCR	C5-C6-C7-C8
15	bI	102	BCR	C23-C24-C25-C26
15	bJ	103	BCR	C5-C6-C7-C8
15	bJ	104	BCR	C23-C24-C25-C26
15	bL	201	BCR	C5-C6-C7-C8
15	bL	201	BCR	C23-C24-C25-C30
15	bM	101	BCR	C5-C6-C7-C8
15	bM	101	BCR	C23-C24-C25-C26
15	cA	846	BCR	C5-C6-C7-C8
15	cA	847	BCR	C1-C6-C7-C8
15	cA	847	BCR	C5-C6-C7-C8
15	cA	848	BCR	C5-C6-C7-C8
15	cA	848	BCR	C23-C24-C25-C26
15	cA	848	BCR	C23-C24-C25-C30
15	cB	836	BCR	C5-C6-C7-C8
15	cB	836	BCR	C23-C24-C25-C26
15	cB	837	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
15	cB	837	BCR	C23-C24-C25-C26
15	cB	838	BCR	C5-C6-C7-C8
15	cB	838	BCR	C23-C24-C25-C26
15	cF	202	BCR	C5-C6-C7-C8
15	cF	203	BCR	C5-C6-C7-C8
15	cI	101	BCR	C5-C6-C7-C8
15	cJ	102	BCR	C1-C6-C7-C8
15	cJ	103	BCR	C1-C6-C7-C8
15	cJ	103	BCR	C5-C6-C7-C8
15	cJ	103	BCR	C23-C24-C25-C26
15	cJ	104	BCR	C5-C6-C7-C8
15	cK	202	BCR	C5-C6-C7-C8
15	cL	201	BCR	C5-C6-C7-C8
15	cL	205	BCR	C5-C6-C7-C8
15	cL	205	BCR	C23-C24-C25-C26
15	cL	206	BCR	C5-C6-C7-C8
15	cL	206	BCR	C23-C24-C25-C26
15	cM	101	BCR	C23-C24-C25-C26
15	dA	846	BCR	C5-C6-C7-C8
15	dA	847	BCR	C5-C6-C7-C8
15	dA	847	BCR	C23-C24-C25-C30
15	dA	848	BCR	C5-C6-C7-C8
15	dA	849	BCR	C23-C24-C25-C30
15	dA	850	BCR	C5-C6-C7-C8
15	dA	851	BCR	C23-C24-C25-C26
15	dB	834	BCR	C5-C6-C7-C8
15	dB	835	BCR	C5-C6-C7-C8
15	dB	835	BCR	C23-C24-C25-C26
15	dB	836	BCR	C5-C6-C7-C8
15	dB	836	BCR	C23-C24-C25-C26
15	dF	202	BCR	C5-C6-C7-C8
15	dF	203	BCR	C5-C6-C7-C8
15	dF	203	BCR	C23-C24-C25-C26
15	dI	101	BCR	C5-C6-C7-C8
15	dI	102	BCR	C23-C24-C25-C26
15	dJ	103	BCR	C5-C6-C7-C8
15	dJ	104	BCR	C23-C24-C25-C26
15	dL	201	BCR	C5-C6-C7-C8
15	dL	201	BCR	C23-C24-C25-C30
15	dL	204	BCR	C5-C6-C7-C8
15	dL	204	BCR	C23-C24-C25-C26
15	dM	101	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
15	dM	101	BCR	C23-C24-C25-C26
13	aA	804	CLA	CAA-CBA-CGA-O2A
13	bA	804	CLA	CAA-CBA-CGA-O2A
13	bA	815	CLA	CAA-CBA-CGA-O1A
13	cA	804	CLA	CAA-CBA-CGA-O2A
13	cK	201	CLA	CAA-CBA-CGA-O1A
13	dA	804	CLA	CAA-CBA-CGA-O2A
13	dA	815	CLA	CAA-CBA-CGA-O1A
18	aB	839	LMG	C41-C42-C43-C44
18	cB	839	LMG	C41-C42-C43-C44
18	dB	837	LMG	C21-C22-C23-C24
13	aK	201	CLA	CAA-CBA-CGA-O2A
13	cK	201	CLA	CAA-CBA-CGA-O2A
13	aA	812	CLA	C4-C3-C5-C6
13	bA	802	CLA	C4-C3-C5-C6
13	bB	809	CLA	C4-C3-C5-C6
13	bB	822	CLA	C4-C3-C5-C6
13	cA	812	CLA	C4-C3-C5-C6
13	dA	802	CLA	C4-C3-C5-C6
13	dB	809	CLA	C4-C3-C5-C6
13	dB	822	CLA	C4-C3-C5-C6
18	bB	837	LMG	C21-C22-C23-C24
13	aA	807	CLA	C2-C3-C5-C6
13	cB	823	CLA	C2-C3-C5-C6
13	bA	841	CLA	CBA-CGA-O2A-C1
13	bA	842	CLA	C10-C11-C12-C13
13	dA	842	CLA	C10-C11-C12-C13
15	bA	846	BCR	C19-C20-C21-C22
15	dA	846	BCR	C19-C20-C21-C22
12	bA	801	CL0	C12-C13-C15-C16
12	dA	801	CL0	C12-C13-C15-C16
13	aA	834	CLA	C11-C10-C8-C7
13	aA	842	CLA	C11-C10-C8-C7
13	aB	807	CLA	C11-C10-C8-C7
13	aB	807	CLA	C11-C12-C13-C15
13	aB	818	CLA	C11-C10-C8-C7
13	bA	802	CLA	C11-C12-C13-C15
13	bA	807	CLA	C12-C13-C15-C16
13	cA	834	CLA	C11-C10-C8-C7
13	cA	842	CLA	C11-C10-C8-C7
13	cB	807	CLA	C11-C10-C8-C7
13	cB	807	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
13	cB	818	CLA	C11-C10-C8-C7
13	dA	802	CLA	C11-C12-C13-C15
13	dA	807	CLA	C12-C13-C15-C16
13	aA	834	CLA	C8-C10-C11-C12
13	cA	834	CLA	C8-C10-C11-C12
16	aA	850	LHG	O7-C5-C6-O8
16	cA	850	LHG	O7-C5-C6-O8
13	dA	841	CLA	CBA-CGA-O2A-C1
16	aA	850	LHG	C17-C18-C19-C20
16	cA	850	LHG	C17-C18-C19-C20
13	aB	815	CLA	C11-C10-C8-C7
13	bB	814	CLA	C11-C10-C8-C7
13	cB	815	CLA	C11-C10-C8-C7
13	dB	814	CLA	C11-C10-C8-C7
15	aK	202	BCR	C11-C12-C13-C35
15	cK	202	BCR	C11-C12-C13-C35
13	aA	814	CLA	CAA-CBA-CGA-O2A
13	bA	811	CLA	CAA-CBA-CGA-O2A
13	cA	814	CLA	CAA-CBA-CGA-O2A
13	dA	811	CLA	CAA-CBA-CGA-O2A
13	bA	843	CLA	C4-C3-C5-C6
13	dA	843	CLA	C4-C3-C5-C6
13	bA	821	CLA	C10-C11-C12-C13
13	dA	821	CLA	C10-C11-C12-C13
13	aA	841	CLA	C2-C3-C5-C6
13	aA	842	CLA	C2-C3-C5-C6
13	aB	811	CLA	C2-C3-C5-C6
13	aB	823	CLA	C2-C3-C5-C6
13	bB	810	CLA	C2-C3-C5-C6
13	bB	817	CLA	C2-C3-C5-C6
13	cA	807	CLA	C2-C3-C5-C6
13	cA	841	CLA	C2-C3-C5-C6
13	cA	842	CLA	C2-C3-C5-C6
13	cB	811	CLA	C2-C3-C5-C6
13	dB	810	CLA	C2-C3-C5-C6
13	dB	817	CLA	C2-C3-C5-C6
13	bA	838	CLA	C2-C1-O2A-CGA
13	cB	815	CLA	C2-C1-O2A-CGA
13	dA	838	CLA	C2-C1-O2A-CGA
13	bA	815	CLA	CAA-CBA-CGA-O2A
13	dA	815	CLA	CAA-CBA-CGA-O2A
13	aA	809	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
13	cA	809	CLA	C10-C11-C12-C13
13	aA	825	CLA	O1A-CGA-O2A-C1
13	cA	825	CLA	O1A-CGA-O2A-C1
13	aA	837	CLA	CAA-CBA-CGA-O2A
13	cA	837	CLA	CAA-CBA-CGA-O2A
13	aB	819	CLA	C6-C7-C8-C9
13	cB	819	CLA	C6-C7-C8-C9
13	aB	833	CLA	C13-C15-C16-C17
13	cB	833	CLA	C13-C15-C16-C17
15	aF	202	BCR	C9-C10-C11-C12
15	cF	202	BCR	C9-C10-C11-C12
16	aA	850	LHG	C34-C35-C36-C37
16	cA	850	LHG	C34-C35-C36-C37
15	aL	206	BCR	C6-C7-C8-C9
15	cL	206	BCR	C6-C7-C8-C9
13	aA	820	CLA	C4-C3-C5-C6
13	bA	828	CLA	C4-C3-C5-C6
13	dA	828	CLA	C4-C3-C5-C6
13	bA	822	CLA	C5-C6-C7-C8
13	dA	822	CLA	C5-C6-C7-C8
13	aA	809	CLA	C2-C3-C5-C6
13	bA	807	CLA	C2-C3-C5-C6
13	cA	809	CLA	C2-C3-C5-C6
13	aA	841	CLA	C13-C15-C16-C17
13	bB	826	CLA	C8-C10-C11-C12
13	cA	841	CLA	C13-C15-C16-C17
13	dB	826	CLA	C8-C10-C11-C12
13	bA	816	CLA	CAA-CBA-CGA-O2A
13	dA	816	CLA	CAA-CBA-CGA-O2A
13	aA	840	CLA	C15-C16-C17-C18
13	cA	840	CLA	C15-C16-C17-C18
13	bB	817	CLA	C11-C12-C13-C14
13	aA	841	CLA	C2A-CAA-CBA-CGA
13	bA	807	CLA	C2A-CAA-CBA-CGA
13	bA	809	CLA	C2A-CAA-CBA-CGA
13	cA	841	CLA	C2A-CAA-CBA-CGA
13	dA	807	CLA	C2A-CAA-CBA-CGA
13	dA	809	CLA	C2A-CAA-CBA-CGA
13	dB	817	CLA	C11-C12-C13-C14
13	aA	802	CLA	C4-C3-C5-C6
13	aA	839	CLA	C4-C3-C5-C6
13	bA	807	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	bB	810	CLA	C4-C3-C5-C6
13	cA	802	CLA	C4-C3-C5-C6
13	cA	820	CLA	C4-C3-C5-C6
13	cA	839	CLA	C4-C3-C5-C6
13	dA	807	CLA	C4-C3-C5-C6
13	dB	810	CLA	C4-C3-C5-C6
13	bA	803	CLA	CAA-CBA-CGA-O2A
13	dA	803	CLA	CAA-CBA-CGA-O2A
13	bA	806	CLA	CAA-CBA-CGA-O2A
13	dA	806	CLA	CAA-CBA-CGA-O2A
13	dA	807	CLA	C2-C3-C5-C6
13	aB	809	CLA	C15-C16-C17-C18
13	cB	809	CLA	C15-C16-C17-C18
13	aA	803	CLA	C4B-C3B-CAB-CBB
13	bB	806	CLA	C4B-C3B-CAB-CBB
13	bB	816	CLA	C4B-C3B-CAB-CBB
13	cA	803	CLA	C4B-C3B-CAB-CBB
13	dB	806	CLA	C4B-C3B-CAB-CBB
13	dB	816	CLA	C4B-C3B-CAB-CBB
13	bB	814	CLA	O1A-CGA-O2A-C1
13	dB	814	CLA	O1A-CGA-O2A-C1
13	bB	831	CLA	C10-C11-C12-C13
13	dB	831	CLA	C10-C11-C12-C13
13	aF	204	CLA	CAA-CBA-CGA-O1A
13	bB	827	CLA	CAA-CBA-CGA-O2A
13	cF	204	CLA	CAA-CBA-CGA-O1A
13	dB	827	CLA	CAA-CBA-CGA-O2A
13	aB	807	CLA	C16-C17-C18-C20
13	cB	807	CLA	C16-C17-C18-C20
13	bB	817	CLA	O1D-CGD-O2D-CED
12	bA	801	CL0	CHA-CBD-CGD-O2D
12	dA	801	CL0	CHA-CBD-CGD-O2D
15	bB	834	BCR	C20-C21-C22-C37
15	bL	201	BCR	C20-C21-C22-C37
15	dB	834	BCR	C20-C21-C22-C37
15	dL	201	BCR	C20-C21-C22-C37
13	aA	825	CLA	CBA-CGA-O2A-C1
13	cA	825	CLA	CBA-CGA-O2A-C1
13	aA	816	CLA	CAA-CBA-CGA-O2A
13	bB	817	CLA	CAA-CBA-CGA-O1A
13	dB	817	CLA	CAA-CBA-CGA-O1A
13	aA	840	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
13	cA	840	CLA	C4-C3-C5-C6
13	bA	805	CLA	CAA-CBA-CGA-O1A
13	cA	816	CLA	CAA-CBA-CGA-O2A
13	dA	805	CLA	CAA-CBA-CGA-O1A
13	dA	802	CLA	C2-C3-C5-C6
13	bA	842	CLA	C12-C13-C15-C16
13	dA	842	CLA	C12-C13-C15-C16
13	dB	817	CLA	O1D-CGD-O2D-CED
13	aA	810	CLA	CAA-CBA-CGA-O2A
13	cA	810	CLA	CAA-CBA-CGA-O2A
15	aJ	102	BCR	C9-C10-C11-C12
15	cJ	102	BCR	C9-C10-C11-C12
13	bA	842	CLA	CAA-CBA-CGA-O2A
13	dA	842	CLA	CAA-CBA-CGA-O2A
13	aA	837	CLA	CAA-CBA-CGA-O1A
13	cA	837	CLA	CAA-CBA-CGA-O1A
13	aB	803	CLA	C14-C13-C15-C16
13	aB	827	CLA	C6-C7-C8-C9
13	bB	810	CLA	C6-C7-C8-C9
13	bB	818	CLA	C6-C7-C8-C9
13	cB	803	CLA	C14-C13-C15-C16
13	cB	827	CLA	C6-C7-C8-C9
13	dB	810	CLA	C6-C7-C8-C9
13	dB	818	CLA	C6-C7-C8-C9
13	bB	811	CLA	C13-C15-C16-C17
13	cF	204	CLA	CAA-CBA-CGA-O2A
13	dB	811	CLA	C13-C15-C16-C17
13	aA	831	CLA	C2-C1-O2A-CGA
13	aB	815	CLA	C2-C1-O2A-CGA
13	bA	812	CLA	C2-C1-O2A-CGA
13	bA	819	CLA	C2-C1-O2A-CGA
13	bA	835	CLA	C2-C1-O2A-CGA
13	bB	826	CLA	C2-C1-O2A-CGA
13	bF	201	CLA	C2-C1-O2A-CGA
13	cA	831	CLA	C2-C1-O2A-CGA
13	dA	812	CLA	C2-C1-O2A-CGA
13	dA	819	CLA	C2-C1-O2A-CGA
13	dA	835	CLA	C2-C1-O2A-CGA
13	dB	826	CLA	C2-C1-O2A-CGA
13	dF	201	CLA	C2-C1-O2A-CGA
13	aB	812	CLA	C3-C5-C6-C7
13	cB	812	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
13	aA	802	CLA	C3A-C2A-CAA-CBA
13	aA	814	CLA	C3A-C2A-CAA-CBA
13	aA	829	CLA	C3A-C2A-CAA-CBA
13	aA	830	CLA	C3A-C2A-CAA-CBA
13	bA	820	CLA	C4-C3-C5-C6
13	bB	827	CLA	C3A-C2A-CAA-CBA
13	cA	802	CLA	C3A-C2A-CAA-CBA
13	cA	814	CLA	C3A-C2A-CAA-CBA
13	cA	829	CLA	C3A-C2A-CAA-CBA
13	cA	830	CLA	C3A-C2A-CAA-CBA
13	dB	827	CLA	C3A-C2A-CAA-CBA
13	aF	204	CLA	CAA-CBA-CGA-O2A
13	bA	805	CLA	CAA-CBA-CGA-O2A
13	dA	805	CLA	CAA-CBA-CGA-O2A
16	bA	853	LHG	O10-C23-O8-C6
16	dA	853	LHG	O10-C23-O8-C6
13	aA	823	CLA	C2-C3-C5-C6
13	bA	802	CLA	C2-C3-C5-C6
13	bB	809	CLA	C2-C3-C5-C6
13	cA	823	CLA	C2-C3-C5-C6
13	dB	809	CLA	C2-C3-C5-C6
13	aA	815	CLA	CAA-CBA-CGA-O2A
13	bA	811	CLA	CAA-CBA-CGA-O1A
13	cA	815	CLA	CAA-CBA-CGA-O2A
13	dA	811	CLA	CAA-CBA-CGA-O1A
13	dA	830	CLA	CBA-CGA-O2A-C1
15	bB	834	BCR	C18-C19-C20-C21
15	dB	834	BCR	C18-C19-C20-C21
13	bA	810	CLA	CAA-CBA-CGA-O2A
13	bA	816	CLA	CAA-CBA-CGA-O1A
13	dA	810	CLA	CAA-CBA-CGA-O2A
13	bA	830	CLA	CBA-CGA-O2A-C1
13	aA	810	CLA	CAA-CBA-CGA-O1A
13	bB	827	CLA	CAA-CBA-CGA-O1A
13	cA	810	CLA	CAA-CBA-CGA-O1A
13	dA	816	CLA	CAA-CBA-CGA-O1A
13	dB	827	CLA	CAA-CBA-CGA-O1A
13	dA	820	CLA	C4-C3-C5-C6
13	bB	823	CLA	C2-C3-C5-C6
13	dB	823	CLA	C2-C3-C5-C6
15	aA	849	BCR	C11-C10-C9-C8
15	bA	851	BCR	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
15	bB	834	BCR	C20-C21-C22-C23
15	cA	849	BCR	C11-C10-C9-C8
15	dA	851	BCR	C11-C10-C9-C8
15	dB	834	BCR	C20-C21-C22-C23
18	aB	839	LMG	C7-C8-C9-O8
18	bB	837	LMG	C7-C8-C9-O8
18	cB	839	LMG	C7-C8-C9-O8
18	dB	837	LMG	C7-C8-C9-O8
13	bA	830	CLA	O1A-CGA-O2A-C1
13	dA	830	CLA	O1A-CGA-O2A-C1
13	aB	819	CLA	C3-C5-C6-C7
13	cB	819	CLA	C3-C5-C6-C7
13	bA	828	CLA	C2A-CAA-CBA-CGA
13	dA	828	CLA	C2A-CAA-CBA-CGA
13	aA	816	CLA	CAA-CBA-CGA-O1A
13	cA	815	CLA	CAA-CBA-CGA-O1A
13	cA	816	CLA	CAA-CBA-CGA-O1A
12	bA	801	CL0	C2-C3-C5-C6
12	dA	801	CL0	C2-C3-C5-C6
15	bA	849	BCR	C19-C20-C21-C22
15	bI	101	BCR	C19-C20-C21-C22
15	dA	849	BCR	C19-C20-C21-C22
13	dB	808	CLA	C16-C17-C18-C20
13	aA	815	CLA	CAA-CBA-CGA-O1A
13	dA	803	CLA	CAA-CBA-CGA-O1A
13	bA	825	CLA	O1A-CGA-O2A-C1
13	bA	803	CLA	CAA-CBA-CGA-O1A
13	aB	801	CLA	C11-C10-C8-C9
13	aB	834	CLA	C11-C10-C8-C9
13	bA	807	CLA	C14-C13-C15-C16
13	bB	832	CLA	C14-C13-C15-C16
13	cB	801	CLA	C11-C10-C8-C9
13	cB	834	CLA	C11-C10-C8-C9
13	dA	807	CLA	C14-C13-C15-C16
13	dB	832	CLA	C14-C13-C15-C16
13	bB	808	CLA	C16-C17-C18-C20
13	aB	826	CLA	CAA-CBA-CGA-O1A
13	cB	826	CLA	CAA-CBA-CGA-O1A
15	bJ	104	BCR	C17-C18-C19-C20
15	dJ	104	BCR	C17-C18-C19-C20
13	dA	825	CLA	O1A-CGA-O2A-C1
13	aA	819	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
13	cA	819	CLA	C2A-CAA-CBA-CGA
13	aA	809	CLA	C11-C12-C13-C15
13	aA	840	CLA	C11-C10-C8-C7
13	aB	818	CLA	C6-C7-C8-C10
13	aB	819	CLA	C6-C7-C8-C10
13	aB	827	CLA	C6-C7-C8-C10
13	aB	834	CLA	C12-C13-C15-C16
13	bA	806	CLA	C12-C13-C15-C16
13	bA	818	CLA	C12-C13-C15-C16
13	bA	829	CLA	C11-C12-C13-C15
13	bB	826	CLA	C6-C7-C8-C10
13	cA	809	CLA	C11-C12-C13-C15
13	cA	840	CLA	C11-C10-C8-C7
13	cB	818	CLA	C6-C7-C8-C10
13	cB	819	CLA	C6-C7-C8-C10
13	cB	827	CLA	C6-C7-C8-C10
13	cB	834	CLA	C12-C13-C15-C16
13	dA	806	CLA	C12-C13-C15-C16
13	dA	818	CLA	C12-C13-C15-C16
13	dA	829	CLA	C11-C12-C13-C15
13	dB	826	CLA	C6-C7-C8-C10
13	bA	810	CLA	CAA-CBA-CGA-O1A
13	dA	810	CLA	CAA-CBA-CGA-O1A
13	aA	803	CLA	C2B-C3B-CAB-CBB
13	aA	826	CLA	C2B-C3B-CAB-CBB
13	aA	829	CLA	C2B-C3B-CAB-CBB
13	aB	820	CLA	C2B-C3B-CAB-CBB
13	bA	803	CLA	C2B-C3B-CAB-CBB
13	bB	806	CLA	C2B-C3B-CAB-CBB
13	bB	822	CLA	C2B-C3B-CAB-CBB
13	cA	803	CLA	C2B-C3B-CAB-CBB
13	cA	826	CLA	C2B-C3B-CAB-CBB
13	cA	829	CLA	C2B-C3B-CAB-CBB
13	cB	820	CLA	C2B-C3B-CAB-CBB
13	dA	803	CLA	C2B-C3B-CAB-CBB
13	dB	806	CLA	C2B-C3B-CAB-CBB
13	dB	822	CLA	C2B-C3B-CAB-CBB
15	aA	846	BCR	C23-C24-C25-C26
15	aA	846	BCR	C23-C24-C25-C30
15	aF	202	BCR	C23-C24-C25-C26
15	aF	203	BCR	C23-C24-C25-C26
15	aF	203	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
15	aJ	102	BCR	C5-C6-C7-C8
15	bA	847	BCR	C23-C24-C25-C26
15	bA	849	BCR	C23-C24-C25-C26
15	bA	851	BCR	C1-C6-C7-C8
15	bA	851	BCR	C5-C6-C7-C8
15	bF	202	BCR	C23-C24-C25-C26
15	bI	101	BCR	C23-C24-C25-C26
15	bI	101	BCR	C23-C24-C25-C30
15	bJ	102	BCR	C23-C24-C25-C26
15	bJ	102	BCR	C23-C24-C25-C30
15	bJ	104	BCR	C5-C6-C7-C8
15	bL	201	BCR	C23-C24-C25-C26
15	cA	846	BCR	C23-C24-C25-C26
15	cA	846	BCR	C23-C24-C25-C30
15	cF	202	BCR	C23-C24-C25-C26
15	cF	203	BCR	C23-C24-C25-C26
15	cF	203	BCR	C23-C24-C25-C30
15	cJ	102	BCR	C5-C6-C7-C8
15	dA	847	BCR	C23-C24-C25-C26
15	dA	849	BCR	C23-C24-C25-C26
15	dA	851	BCR	C1-C6-C7-C8
15	dA	851	BCR	C5-C6-C7-C8
15	dF	202	BCR	C23-C24-C25-C26
15	dI	101	BCR	C23-C24-C25-C26
15	dI	101	BCR	C23-C24-C25-C30
15	dJ	102	BCR	C23-C24-C25-C26
15	dJ	102	BCR	C23-C24-C25-C30
15	dJ	104	BCR	C5-C6-C7-C8
15	dL	201	BCR	C23-C24-C25-C26
13	aA	819	CLA	C2-C1-O2A-CGA
13	aA	830	CLA	C2-C1-O2A-CGA
13	aA	835	CLA	C2-C1-O2A-CGA
13	aB	811	CLA	C2-C1-O2A-CGA
13	bA	807	CLA	C2-C1-O2A-CGA
13	bA	827	CLA	C2-C1-O2A-CGA
13	bA	828	CLA	C2-C1-O2A-CGA
13	bB	810	CLA	C2-C1-O2A-CGA
13	bB	829	CLA	C2-C1-O2A-CGA
13	cA	819	CLA	C2-C1-O2A-CGA
13	cA	830	CLA	C2-C1-O2A-CGA
13	cA	835	CLA	C2-C1-O2A-CGA
13	cB	811	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
13	dA	807	CLA	C2-C1-O2A-CGA
13	dA	827	CLA	C2-C1-O2A-CGA
13	dA	828	CLA	C2-C1-O2A-CGA
13	dB	810	CLA	C2-C1-O2A-CGA
15	dI	101	BCR	C19-C20-C21-C22
13	aA	826	CLA	C16-C17-C18-C19
13	bA	831	CLA	C15-C16-C17-C18
13	bB	822	CLA	C13-C15-C16-C17
13	dA	812	CLA	CBD-CGD-O2D-CED
13	aL	203	CLA	C3-C5-C6-C7
13	aA	841	CLA	CAA-CBA-CGA-O2A
13	aK	204	CLA	CAA-CBA-CGA-O2A
13	cA	841	CLA	CAA-CBA-CGA-O2A
13	cK	204	CLA	CAA-CBA-CGA-O2A
13	dA	841	CLA	CAA-CBA-CGA-O2A
13	bA	839	CLA	C5-C6-C7-C8
13	dA	831	CLA	C15-C16-C17-C18
13	dA	839	CLA	C5-C6-C7-C8
13	dB	822	CLA	C13-C15-C16-C17
13	bA	835	CLA	CBA-CGA-O2A-C1
13	aB	808	CLA	C16-C17-C18-C19
13	cA	826	CLA	C16-C17-C18-C19
13	cB	808	CLA	C16-C17-C18-C19
13	bA	812	CLA	CBD-CGD-O2D-CED
13	aA	835	CLA	C2-C3-C5-C6
13	bA	822	CLA	C2-C3-C5-C6
13	cA	835	CLA	C2-C3-C5-C6
13	dA	822	CLA	C2-C3-C5-C6
13	bB	822	CLA	C2A-CAA-CBA-CGA
13	dA	844	CLA	C3-C5-C6-C7
13	dB	822	CLA	C2A-CAA-CBA-CGA
13	dA	835	CLA	O1A-CGA-O2A-C1
13	bA	841	CLA	CAA-CBA-CGA-O2A
13	bB	821	CLA	CAA-CBA-CGA-O2A
13	cA	839	CLA	CAA-CBA-CGA-O2A
13	dB	821	CLA	CAA-CBA-CGA-O2A
13	cL	203	CLA	C3-C5-C6-C7
13	dA	812	CLA	O1D-CGD-O2D-CED
13	dA	835	CLA	CBA-CGA-O2A-C1
13	aA	824	CLA	CAA-CBA-CGA-O2A
13	cA	824	CLA	CAA-CBA-CGA-O2A
13	cB	808	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
13	dA	826	CLA	CAA-CBA-CGA-O2A
13	aA	826	CLA	CAA-CBA-CGA-O2A
13	aA	839	CLA	CAA-CBA-CGA-O2A
13	bA	826	CLA	CAA-CBA-CGA-O2A
13	cA	826	CLA	CAA-CBA-CGA-O2A
13	bA	812	CLA	O1D-CGD-O2D-CED
13	bA	835	CLA	O1A-CGA-O2A-C1
13	bA	844	CLA	C3-C5-C6-C7
13	aA	818	CLA	CAA-CBA-CGA-O2A
13	aB	808	CLA	CAA-CBA-CGA-O2A
13	aL	202	CLA	CAA-CBA-CGA-O2A
13	bB	807	CLA	CAA-CBA-CGA-O2A
13	cA	818	CLA	CAA-CBA-CGA-O2A
13	cL	202	CLA	CAA-CBA-CGA-O2A
13	dB	807	CLA	CAA-CBA-CGA-O2A
13	aA	842	CLA	C11-C10-C8-C9
13	bA	842	CLA	C6-C7-C8-C9
13	bA	842	CLA	C14-C13-C15-C16
13	cA	842	CLA	C11-C10-C8-C9
13	dA	842	CLA	C6-C7-C8-C9
13	dA	842	CLA	C14-C13-C15-C16
13	aB	814	CLA	CAA-CBA-CGA-O2A
13	dA	824	CLA	CAA-CBA-CGA-O2A
13	aA	807	CLA	C4B-C3B-CAB-CBB
13	aA	810	CLA	C4B-C3B-CAB-CBB
13	aA	814	CLA	C1A-C2A-CAA-CBA
13	aA	818	CLA	C4B-C3B-CAB-CBB
13	aA	826	CLA	C1A-C2A-CAA-CBA
13	aA	840	CLA	C4B-C3B-CAB-CBB
13	aA	843	CLA	C4B-C3B-CAB-CBB
13	aB	809	CLA	C4B-C3B-CAB-CBB
13	aB	812	CLA	C4B-C3B-CAB-CBB
13	bA	816	CLA	C4B-C3B-CAB-CBB
13	bA	820	CLA	C4B-C3B-CAB-CBB
13	bA	839	CLA	C4B-C3B-CAB-CBB
13	cA	807	CLA	C4B-C3B-CAB-CBB
13	cA	810	CLA	C4B-C3B-CAB-CBB
13	cA	814	CLA	C1A-C2A-CAA-CBA
13	cA	818	CLA	C4B-C3B-CAB-CBB
13	cA	826	CLA	C1A-C2A-CAA-CBA
13	cA	840	CLA	C4B-C3B-CAB-CBB
13	cA	843	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	cB	809	CLA	C4B-C3B-CAB-CBB
13	cB	812	CLA	C4B-C3B-CAB-CBB
13	dA	816	CLA	C4B-C3B-CAB-CBB
13	dA	820	CLA	C4B-C3B-CAB-CBB
13	dA	839	CLA	C4B-C3B-CAB-CBB
13	bA	822	CLA	C4-C3-C5-C6
13	dA	822	CLA	C4-C3-C5-C6
13	bA	813	CLA	CAA-CBA-CGA-O2A
13	bA	824	CLA	CAA-CBA-CGA-O2A
13	cB	814	CLA	CAA-CBA-CGA-O2A
13	dL	202	CLA	CAA-CBA-CGA-O2A
13	aB	816	CLA	CAA-CBA-CGA-O2A
13	cB	816	CLA	CAA-CBA-CGA-O2A
15	aK	205	BCR	C7-C8-C9-C10
15	bL	201	BCR	C11-C12-C13-C14
15	dL	201	BCR	C11-C12-C13-C14
15	dL	204	BCR	C7-C8-C9-C10
12	aA	801	CL0	C13-C15-C16-C17
12	cA	801	CL0	C13-C15-C16-C17
15	bI	101	BCR	C14-C15-C16-C17
15	dI	101	BCR	C14-C15-C16-C17
13	bA	828	CLA	CAA-CBA-CGA-O2A
13	bB	819	CLA	CAA-CBA-CGA-O2A
13	bL	202	CLA	CAA-CBA-CGA-O2A
13	cA	829	CLA	CAA-CBA-CGA-O2A
13	dA	828	CLA	CAA-CBA-CGA-O2A
13	dA	843	CLA	CAA-CBA-CGA-O2A
13	dB	819	CLA	CAA-CBA-CGA-O2A
13	bA	836	CLA	O1A-CGA-O2A-C1
13	dA	836	CLA	O1A-CGA-O2A-C1
13	bB	807	CLA	C16-C17-C18-C20
13	dB	807	CLA	C16-C17-C18-C20
13	aA	829	CLA	CAA-CBA-CGA-O2A
13	bA	818	CLA	CAA-CBA-CGA-O2A
13	bA	843	CLA	CAA-CBA-CGA-O2A
13	bB	829	CLA	CAA-CBA-CGA-O2A
13	dA	818	CLA	CAA-CBA-CGA-O2A
13	dB	829	CLA	CAA-CBA-CGA-O2A
13	aA	835	CLA	C4-C3-C5-C6
13	cA	835	CLA	C4-C3-C5-C6
12	aA	801	CL0	C2-C1-O2A-CGA
12	cA	801	CL0	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
13	aA	838	CLA	C2-C1-O2A-CGA
13	aA	840	CLA	C2-C1-O2A-CGA
13	bA	840	CLA	C2-C1-O2A-CGA
13	bA	841	CLA	C2-C1-O2A-CGA
13	cA	838	CLA	C2-C1-O2A-CGA
13	cA	840	CLA	C2-C1-O2A-CGA
13	dA	840	CLA	C2-C1-O2A-CGA
13	dA	841	CLA	C2-C1-O2A-CGA
13	dB	829	CLA	C2-C1-O2A-CGA
13	dA	813	CLA	CAA-CBA-CGA-O2A
13	aA	806	CLA	C6-C7-C8-C10
13	aA	809	CLA	C12-C13-C15-C16
13	aB	811	CLA	C11-C10-C8-C7
13	aB	822	CLA	C11-C10-C8-C7
13	bA	812	CLA	C6-C7-C8-C10
13	bB	810	CLA	C11-C10-C8-C7
13	bB	814	CLA	C6-C7-C8-C10
13	cA	806	CLA	C6-C7-C8-C10
13	cA	809	CLA	C12-C13-C15-C16
13	cB	811	CLA	C11-C10-C8-C7
13	cB	822	CLA	C11-C10-C8-C7
13	dA	812	CLA	C6-C7-C8-C10
13	dB	810	CLA	C11-C10-C8-C7
13	dB	814	CLA	C6-C7-C8-C10
13	bA	825	CLA	CBA-CGA-O2A-C1
13	bB	814	CLA	CBA-CGA-O2A-C1
13	dA	825	CLA	CBA-CGA-O2A-C1
13	dB	814	CLA	CBA-CGA-O2A-C1
18	cB	839	LMG	C23-C24-C25-C26
13	aB	831	CLA	C8-C10-C11-C12
13	bA	831	CLA	C5-C6-C7-C8
13	dA	831	CLA	C5-C6-C7-C8
18	aB	839	LMG	C23-C24-C25-C26
13	aA	821	CLA	C2A-CAA-CBA-CGA
13	cA	821	CLA	C2A-CAA-CBA-CGA
13	cB	831	CLA	C8-C10-C11-C12
13	aA	806	CLA	C16-C17-C18-C20
12	aA	801	CL0	CAA-CBA-CGA-O2A
12	cA	801	CL0	CAA-CBA-CGA-O2A
13	aA	822	CLA	C5-C6-C7-C8
13	cA	822	CLA	C5-C6-C7-C8
13	aA	826	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	bB	824	CLA	C3A-C2A-CAA-CBA
13	cA	826	CLA	C3A-C2A-CAA-CBA
13	dB	824	CLA	C3A-C2A-CAA-CBA
13	aB	825	CLA	CAA-CBA-CGA-O1A
13	cB	825	CLA	CAA-CBA-CGA-O1A
16	aA	850	LHG	O10-C23-O8-C6
16	cA	850	LHG	O10-C23-O8-C6
13	bA	843	CLA	C8-C10-C11-C12
13	dA	843	CLA	C8-C10-C11-C12
13	aB	809	CLA	C16-C17-C18-C20
13	bB	807	CLA	C16-C17-C18-C19
13	cA	806	CLA	C16-C17-C18-C20
13	cB	809	CLA	C16-C17-C18-C20
13	dB	807	CLA	C16-C17-C18-C19
18	aB	839	LMG	C33-C34-C35-C36
13	bB	826	CLA	CAA-CBA-CGA-O2A
13	dB	826	CLA	CAA-CBA-CGA-O2A
18	cB	839	LMG	C33-C34-C35-C36
13	cA	803	CLA	CAA-CBA-CGA-O2A
13	bA	835	CLA	C13-C15-C16-C17
13	dA	835	CLA	C13-C15-C16-C17
13	aK	204	CLA	CAA-CBA-CGA-O1A
13	aA	803	CLA	CAA-CBA-CGA-O2A
13	cK	204	CLA	CAA-CBA-CGA-O1A
13	aL	203	CLA	C2A-CAA-CBA-CGA
13	cL	203	CLA	C2A-CAA-CBA-CGA
13	aA	820	CLA	C11-C10-C8-C9
13	aA	834	CLA	C11-C10-C8-C9
13	bB	831	CLA	C11-C10-C8-C9
13	cA	820	CLA	C11-C10-C8-C9
13	cA	834	CLA	C11-C10-C8-C9
13	dB	831	CLA	C11-C10-C8-C9
13	bA	826	CLA	CAA-CBA-CGA-O1A
13	dA	826	CLA	CAA-CBA-CGA-O1A
15	cA	845	BCR	C15-C16-C17-C18
13	bB	831	CLA	O1A-CGA-O2A-C1
13	dB	831	CLA	O1A-CGA-O2A-C1
13	bA	818	CLA	CAA-CBA-CGA-O1A
13	dA	818	CLA	CAA-CBA-CGA-O1A
16	dA	852	LHG	C11-C10-C9-C8
16	bA	852	LHG	C11-C10-C9-C8
18	aB	839	LMG	O7-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
18	cB	839	LMG	O7-C10-C11-C12
13	aA	840	CLA	CBD-CGD-O2D-CED
13	cA	840	CLA	CBD-CGD-O2D-CED
13	aA	818	CLA	CAA-CBA-CGA-O1A
13	aB	808	CLA	CAA-CBA-CGA-O1A
13	bL	202	CLA	CAA-CBA-CGA-O1A
13	cA	818	CLA	CAA-CBA-CGA-O1A
13	cB	808	CLA	CAA-CBA-CGA-O1A
13	dL	202	CLA	CAA-CBA-CGA-O1A
13	aA	824	CLA	CAA-CBA-CGA-O1A
13	aA	839	CLA	CAA-CBA-CGA-O1A
13	aA	841	CLA	CAA-CBA-CGA-O1A
13	bA	813	CLA	CAA-CBA-CGA-O1A
13	bA	843	CLA	CAA-CBA-CGA-O1A
13	cA	824	CLA	CAA-CBA-CGA-O1A
13	cA	839	CLA	CAA-CBA-CGA-O1A
13	cA	841	CLA	CAA-CBA-CGA-O1A
13	dA	843	CLA	CAA-CBA-CGA-O1A
13	aJ	101	CLA	C2A-CAA-CBA-CGA
13	cJ	101	CLA	C2A-CAA-CBA-CGA
13	aB	816	CLA	CAA-CBA-CGA-O1A
13	aA	826	CLA	CAA-CBA-CGA-O1A
13	bA	824	CLA	CAA-CBA-CGA-O1A
13	bB	807	CLA	CAA-CBA-CGA-O1A
13	dA	813	CLA	CAA-CBA-CGA-O1A
13	dA	824	CLA	CAA-CBA-CGA-O1A
13	dB	807	CLA	CAA-CBA-CGA-O1A
13	aA	839	CLA	C2-C3-C5-C6
13	cA	839	CLA	C2-C3-C5-C6
13	cB	816	CLA	CAA-CBA-CGA-O1A
15	aA	845	BCR	C15-C16-C17-C18
13	aL	202	CLA	CAA-CBA-CGA-O1A
13	bA	841	CLA	CAA-CBA-CGA-O1A
13	cA	826	CLA	CAA-CBA-CGA-O1A
13	cL	202	CLA	CAA-CBA-CGA-O1A
18	dB	837	LMG	C37-C38-C39-C40
13	aB	806	CLA	CAD-CBD-CGD-O2D
13	aB	821	CLA	CAD-CBD-CGD-O2D
13	aB	827	CLA	CAD-CBD-CGD-O2D
13	aB	828	CLA	CAD-CBD-CGD-O2D
13	bA	804	CLA	CAD-CBD-CGD-O2D
13	bA	817	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
13	bA	821	CLA	CAD-CBD-CGD-O2D
13	bA	823	CLA	CAD-CBD-CGD-O2D
13	bB	825	CLA	CAD-CBD-CGD-O2D
13	cB	806	CLA	CAD-CBD-CGD-O2D
13	cB	821	CLA	CAD-CBD-CGD-O2D
13	cB	827	CLA	CAD-CBD-CGD-O2D
13	cB	828	CLA	CAD-CBD-CGD-O2D
13	dA	804	CLA	CAD-CBD-CGD-O2D
13	dA	817	CLA	CAD-CBD-CGD-O2D
13	dA	821	CLA	CAD-CBD-CGD-O2D
13	dA	823	CLA	CAD-CBD-CGD-O2D
13	dB	825	CLA	CAD-CBD-CGD-O2D
18	bB	837	LMG	C37-C38-C39-C40
13	dA	841	CLA	CAA-CBA-CGA-O1A
13	bB	829	CLA	C15-C16-C17-C18
13	dB	829	CLA	C15-C16-C17-C18
13	aB	817	CLA	C2-C1-O2A-CGA
13	cB	817	CLA	C2-C1-O2A-CGA
13	bB	823	CLA	CAA-CBA-CGA-O2A
13	dB	823	CLA	CAA-CBA-CGA-O2A
13	bA	819	CLA	C5-C6-C7-C8
13	dB	817	CLA	C10-C11-C12-C13
13	bB	817	CLA	C8-C10-C11-C12
13	dA	819	CLA	C5-C6-C7-C8
13	bB	817	CLA	C10-C11-C12-C13
13	bB	829	CLA	CAA-CBA-CGA-O1A
13	dB	817	CLA	C8-C10-C11-C12
13	aA	828	CLA	CAA-CBA-CGA-O2A
13	cA	828	CLA	CAA-CBA-CGA-O2A
13	dB	829	CLA	CAA-CBA-CGA-O1A
13	bA	821	CLA	C8-C10-C11-C12
13	aB	801	CLA	CAA-CBA-CGA-O2A
13	aB	834	CLA	CAA-CBA-CGA-O2A
13	cB	801	CLA	CAA-CBA-CGA-O2A
13	cB	834	CLA	CAA-CBA-CGA-O2A
13	dA	821	CLA	C8-C10-C11-C12
13	aA	829	CLA	CAA-CBA-CGA-O1A
13	aB	814	CLA	CAA-CBA-CGA-O1A
13	bA	828	CLA	CAA-CBA-CGA-O1A
13	bB	819	CLA	CAA-CBA-CGA-O1A
13	cA	829	CLA	CAA-CBA-CGA-O1A
13	cB	814	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
13	dA	828	CLA	CAA-CBA-CGA-O1A
13	dB	819	CLA	CAA-CBA-CGA-O1A
13	dB	826	CLA	CAA-CBA-CGA-O1A
13	bB	831	CLA	O1D-CGD-O2D-CED
18	aB	839	LMG	C15-C16-C17-C18
18	cB	839	LMG	C15-C16-C17-C18

There are no ring outliers.

375 monomers are involved in 960 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
13	aB	820	CLA	1	0
13	aA	813	CLA	1	0
17	cC	102	SF4	2	0
13	cB	817	CLA	1	0
13	aA	815	CLA	1	0
13	bA	834	CLA	5	0
13	bA	805	CLA	1	0
13	aA	842	CLA	5	0
15	bB	835	BCR	1	0
15	dB	836	BCR	4	0
13	bA	826	CLA	1	0
13	aF	201	CLA	5	0
13	bB	819	CLA	4	0
15	aA	849	BCR	3	0
13	dA	836	CLA	1	0
15	dJ	103	BCR	5	0
13	bB	821	CLA	3	0
13	dA	835	CLA	3	0
13	bA	827	CLA	1	0
14	cA	844	PQN	5	0
16	dA	852	LHG	1	0
13	bB	808	CLA	6	0
13	cA	835	CLA	5	0
14	bB	833	PQN	4	0
18	bB	837	LMG	2	0
13	bB	802	CLA	4	0
15	cF	202	BCR	8	0
13	cA	830	CLA	7	0
15	dA	849	BCR	2	0
13	cA	809	CLA	3	0
13	bA	844	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
13	cA	841	CLA	4	0
13	bA	808	CLA	2	0
13	cJ	101	CLA	2	0
13	bA	832	CLA	2	0
15	cL	201	BCR	3	0
15	bA	849	BCR	1	0
15	dB	834	BCR	1	0
13	dB	820	CLA	3	0
15	dA	846	BCR	2	0
13	dA	828	CLA	4	0
13	cA	818	CLA	2	0
13	dA	816	CLA	1	0
13	cA	806	CLA	4	0
13	dB	811	CLA	5	0
12	dA	801	CL0	2	0
13	cA	812	CLA	1	0
15	cK	202	BCR	1	0
15	aF	202	BCR	8	0
15	cB	838	BCR	4	0
17	cB	802	SF4	2	0
13	bB	809	CLA	5	0
13	aB	822	CLA	4	0
15	cJ	104	BCR	4	0
13	bA	806	CLA	6	0
13	bF	201	CLA	1	0
13	dB	802	CLA	5	0
13	dB	831	CLA	2	0
13	aA	822	CLA	3	0
13	cB	820	CLA	1	0
18	aB	839	LMG	6	0
13	bB	815	CLA	2	0
15	cF	203	BCR	3	0
13	aA	819	CLA	2	0
15	aI	101	BCR	5	0
14	aB	835	PQN	9	0
13	aB	809	CLA	5	0
17	bB	801	SF4	1	0
13	dA	804	CLA	2	0
13	bA	807	CLA	5	0
15	dL	201	BCR	4	0
15	dF	202	BCR	6	0
13	bB	829	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
15	cI	101	BCR	5	0
13	aB	807	CLA	6	0
13	cA	803	CLA	3	0
13	bA	823	CLA	1	0
12	bA	801	CL0	2	0
13	bB	824	CLA	3	0
13	dA	805	CLA	1	0
13	cA	807	CLA	2	0
13	dA	821	CLA	2	0
13	bB	813	CLA	2	0
15	bF	202	BCR	5	0
13	aA	837	CLA	2	0
13	dB	803	CLA	1	0
12	cA	801	CL0	4	0
13	cA	826	CLA	3	0
13	bA	804	CLA	2	0
13	bA	842	CLA	3	0
15	aM	101	BCR	2	0
13	dA	819	CLA	5	0
13	aA	823	CLA	2	0
13	cA	814	CLA	1	0
13	cA	820	CLA	6	0
13	cB	834	CLA	11	0
13	bA	818	CLA	2	0
13	dB	805	CLA	2	0
13	cA	828	CLA	4	0
13	cA	802	CLA	5	0
15	cA	849	BCR	3	0
13	bA	814	CLA	2	0
15	cA	846	BCR	2	0
13	dA	812	CLA	2	0
13	cF	204	CLA	1	0
13	bA	813	CLA	2	0
13	bA	810	CLA	2	0
15	cA	847	BCR	2	0
15	aK	205	BCR	3	0
13	bB	812	CLA	1	0
13	bA	843	CLA	7	0
13	cB	815	CLA	2	0
13	aA	841	CLA	4	0
16	bA	852	LHG	1	0
13	aK	201	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
13	bA	819	CLA	4	0
13	aJ	101	CLA	2	0
13	cB	814	CLA	2	0
13	cL	203	CLA	4	0
13	bA	821	CLA	1	0
15	aB	837	BCR	1	0
13	dB	829	CLA	4	0
13	aB	811	CLA	4	0
13	dA	823	CLA	1	0
13	dA	808	CLA	2	0
13	cB	833	CLA	10	0
13	dA	827	CLA	1	0
13	aA	807	CLA	2	0
13	bA	802	CLA	4	0
13	aA	843	CLA	20	0
13	dA	840	CLA	1	0
13	aA	840	CLA	4	0
16	aA	850	LHG	4	0
13	cB	824	CLA	6	0
15	bF	203	BCR	1	0
13	bA	809	CLA	5	0
13	dA	844	CLA	2	0
13	aA	831	CLA	1	0
13	bA	815	CLA	1	0
13	bA	835	CLA	3	0
13	dA	815	CLA	1	0
13	aA	833	CLA	3	0
15	cB	836	BCR	3	0
15	aA	845	BCR	2	0
13	aF	204	CLA	1	0
13	dA	842	CLA	3	0
13	dA	814	CLA	2	0
13	bA	837	CLA	8	0
13	bB	811	CLA	1	0
13	aB	803	CLA	5	0
13	bA	829	CLA	7	0
13	dA	818	CLA	2	0
13	aA	820	CLA	6	0
15	bB	836	BCR	4	0
13	cB	822	CLA	3	0
13	aB	834	CLA	10	0
13	aB	805	CLA	8	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
13	cA	839	CLA	2	0
15	bJ	104	BCR	2	0
13	bL	203	CLA	6	0
15	cA	848	BCR	4	0
13	aA	810	CLA	1	0
15	bJ	103	BCR	5	0
13	aB	826	CLA	6	0
13	aB	832	CLA	1	0
13	dB	817	CLA	2	0
13	dL	203	CLA	2	0
13	dB	813	CLA	2	0
13	dF	201	CLA	1	0
13	bA	816	CLA	1	0
13	cL	202	CLA	1	0
15	dJ	102	BCR	3	0
13	dB	819	CLA	4	0
13	cB	807	CLA	5	0
13	bA	812	CLA	3	0
13	bB	827	CLA	4	0
15	bJ	102	BCR	4	0
15	aA	847	BCR	1	0
13	bA	824	CLA	19	0
13	aA	802	CLA	5	0
14	aA	844	PQN	5	0
13	bB	810	CLA	4	0
13	cA	822	CLA	2	0
13	dB	804	CLA	6	0
15	dI	102	BCR	4	0
13	dA	810	CLA	1	0
15	aA	848	BCR	3	0
17	aC	102	SF4	2	0
13	dB	809	CLA	5	0
13	dA	826	CLA	2	0
13	aB	806	CLA	1	0
13	aA	821	CLA	4	0
15	dL	204	BCR	2	0
13	dA	807	CLA	6	0
15	dJ	104	BCR	2	0
13	bB	825	CLA	5	0
13	bA	828	CLA	4	0
13	bB	823	CLA	4	0
13	aB	812	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
15	aL	206	BCR	5	0
15	bA	847	BCR	3	0
15	cJ	103	BCR	2	0
13	dA	834	CLA	5	0
15	aK	202	BCR	3	0
13	dA	822	CLA	6	0
13	bA	830	CLA	1	0
13	aB	825	CLA	3	0
13	dB	818	CLA	3	0
15	dA	848	BCR	5	0
13	bB	831	CLA	3	0
15	bM	101	BCR	8	0
13	dA	843	CLA	6	0
13	aA	832	CLA	1	0
13	dA	813	CLA	1	0
13	aB	808	CLA	5	0
13	bA	839	CLA	1	0
13	cA	843	CLA	13	0
13	aB	827	CLA	3	0
13	bA	811	CLA	1	0
18	dB	837	LMG	2	0
15	aF	203	BCR	4	0
13	dL	202	CLA	7	0
13	dB	826	CLA	2	0
13	cB	803	CLA	4	0
13	cK	204	CLA	14	0
13	dB	832	CLA	9	0
13	bA	831	CLA	2	0
13	bA	841	CLA	4	0
13	cB	813	CLA	2	0
15	cB	837	BCR	1	0
13	aA	828	CLA	4	0
13	bA	833	CLA	3	0
13	aA	804	CLA	1	0
13	dA	833	CLA	4	0
13	cA	829	CLA	8	0
13	aB	813	CLA	2	0
13	cB	805	CLA	10	0
13	dB	808	CLA	6	0
13	dB	815	CLA	2	0
13	cA	836	CLA	3	0
15	cA	845	BCR	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
13	aA	806	CLA	4	0
13	aB	823	CLA	4	0
13	dA	832	CLA	2	0
15	dB	835	BCR	1	0
13	cA	831	CLA	1	0
13	bA	820	CLA	2	0
17	aB	802	SF4	2	0
13	dB	821	CLA	3	0
15	dA	851	BCR	3	0
13	aA	826	CLA	4	0
13	cA	821	CLA	2	0
13	aB	804	CLA	4	0
15	cJ	102	BCR	4	0
13	aA	835	CLA	4	0
13	cB	811	CLA	5	0
13	dA	837	CLA	5	0
13	aB	801	CLA	6	0
13	bB	803	CLA	2	0
13	aB	824	CLA	6	0
13	aA	818	CLA	2	0
13	cA	810	CLA	1	0
15	aL	201	BCR	4	0
13	cA	837	CLA	1	0
13	cB	831	CLA	2	0
13	aB	810	CLA	3	0
14	dA	845	PQN	2	0
13	cF	201	CLA	5	0
15	dF	203	BCR	2	0
15	dM	101	BCR	8	0
18	cB	839	LMG	6	0
13	cA	815	CLA	4	0
15	aA	846	BCR	2	0
13	cB	827	CLA	3	0
13	cA	819	CLA	2	0
14	cB	835	PQN	7	0
13	cB	809	CLA	4	0
13	dB	825	CLA	4	0
13	cA	832	CLA	1	0
13	bB	817	CLA	2	0
13	aA	836	CLA	5	0
13	cB	801	CLA	7	0
13	dB	806	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
15	bL	201	BCR	3	0
13	cB	812	CLA	3	0
13	cA	804	CLA	1	0
13	cA	808	CLA	2	0
13	dB	827	CLA	4	0
13	cA	827	CLA	5	0
13	cB	823	CLA	3	0
15	aJ	104	BCR	5	0
13	dA	829	CLA	7	0
13	cA	834	CLA	5	0
13	dA	806	CLA	6	0
13	bA	822	CLA	6	0
13	cB	825	CLA	3	0
14	bA	845	PQN	2	0
13	dB	816	CLA	2	0
13	bB	822	CLA	6	0
15	bI	101	BCR	1	0
13	cK	201	CLA	2	0
13	cA	823	CLA	1	0
13	aA	803	CLA	3	0
12	aA	801	CL0	4	0
13	aA	830	CLA	7	0
13	cB	808	CLA	4	0
13	aB	815	CLA	2	0
15	aL	205	BCR	5	0
13	cB	804	CLA	4	0
13	dB	823	CLA	4	0
13	dA	820	CLA	3	0
15	bA	846	BCR	2	0
15	cM	101	BCR	3	0
13	bA	840	CLA	1	0
13	dB	807	CLA	7	0
13	cB	832	CLA	1	0
15	dA	850	BCR	3	0
14	dB	833	PQN	4	0
13	bB	805	CLA	2	0
13	dA	841	CLA	4	0
13	aA	829	CLA	8	0
13	dB	824	CLA	2	0
15	bI	102	BCR	4	0
13	aA	839	CLA	1	0
13	aA	812	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
13	bB	826	CLA	2	0
13	dB	810	CLA	4	0
15	cL	205	BCR	5	0
13	bB	832	CLA	9	0
15	dI	101	BCR	1	0
13	bB	807	CLA	7	0
13	aB	814	CLA	2	0
15	aJ	102	BCR	4	0
15	dA	847	BCR	5	0
13	aA	814	CLA	1	0
13	dA	802	CLA	5	0
15	aB	836	BCR	3	0
15	bA	848	BCR	3	0
13	cB	806	CLA	1	0
13	dA	811	CLA	1	0
13	dA	831	CLA	3	0
13	aK	203	CLA	1	0
13	bB	804	CLA	6	0
13	bB	816	CLA	1	0
13	aA	809	CLA	4	0
13	bA	836	CLA	1	0
13	dA	830	CLA	1	0
13	bB	806	CLA	1	0
13	dJ	101	CLA	2	0
15	bA	850	BCR	3	0
13	aK	204	CLA	15	0
13	aL	203	CLA	6	0
13	cB	810	CLA	3	0
13	bJ	101	CLA	2	0
13	cA	840	CLA	4	0
13	cA	842	CLA	5	0
16	cA	850	LHG	5	0
13	dA	809	CLA	3	0
13	aA	808	CLA	2	0
13	aA	827	CLA	5	0
13	aA	834	CLA	6	0
13	aB	831	CLA	2	0
13	bB	820	CLA	3	0
13	bL	202	CLA	8	0
13	aB	833	CLA	10	0
17	dB	801	SF4	1	0
13	cB	819	CLA	1	0

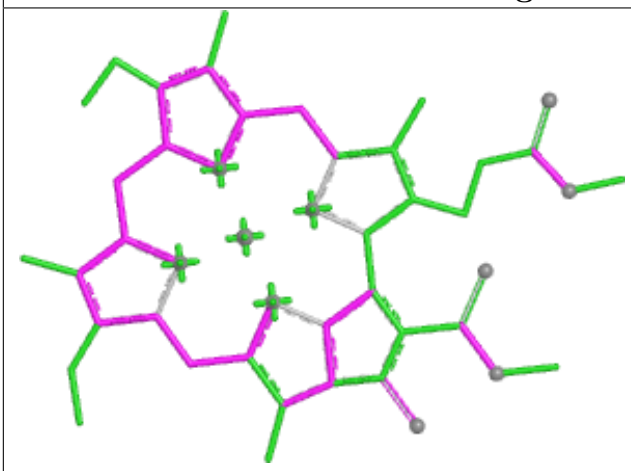
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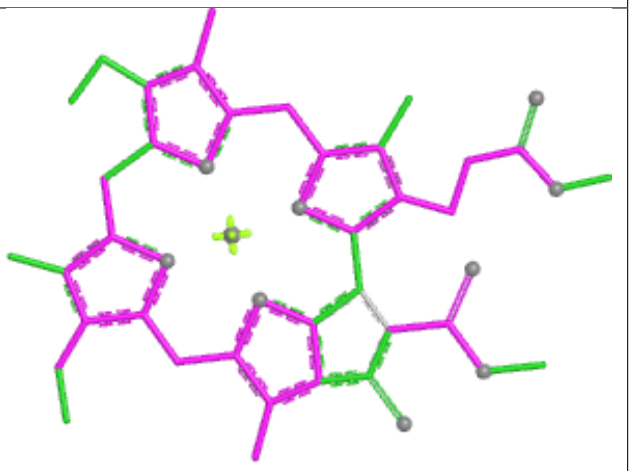
Mol	Chain	Res	Type	Clashes	Symm-Clashes
13	dA	824	CLA	11	0
13	bB	818	CLA	4	0
15	aB	838	BCR	4	0
13	cA	833	CLA	2	0
15	bA	851	BCR	3	0
13	cB	826	CLA	5	0
15	cL	206	BCR	4	0
13	dB	822	CLA	4	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

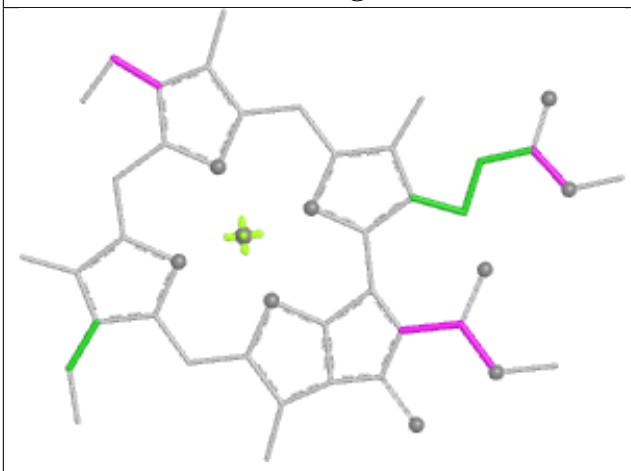
Ligand CLA aB 820



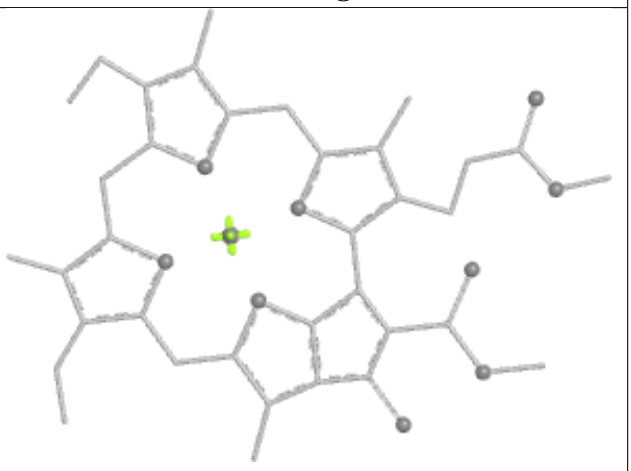
Bond lengths



Bond angles

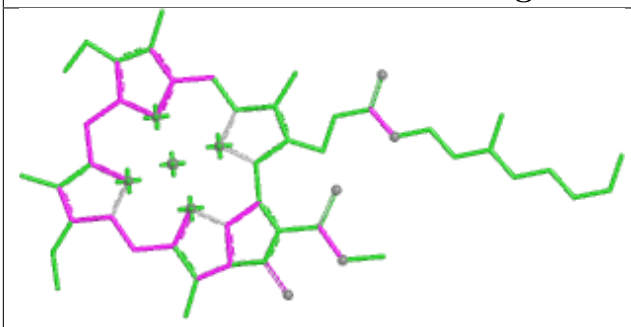


Torsions

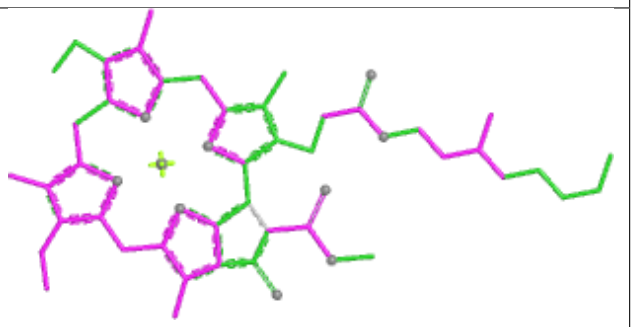


Rings

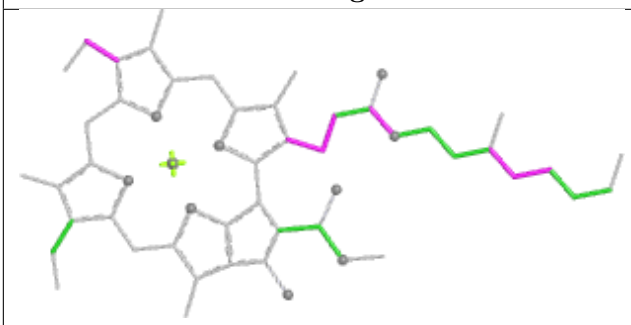
Ligand CLA aA 813



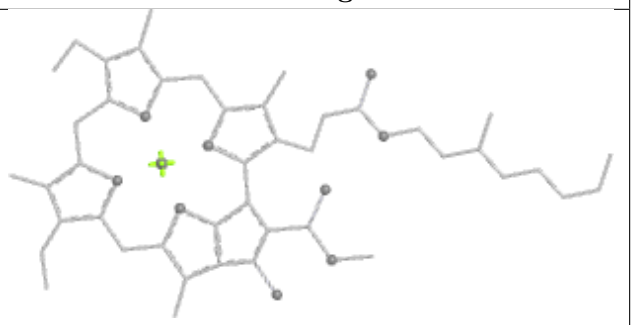
Bond lengths



Bond angles

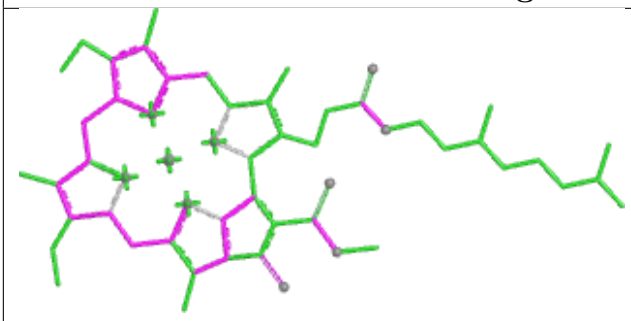


Torsions

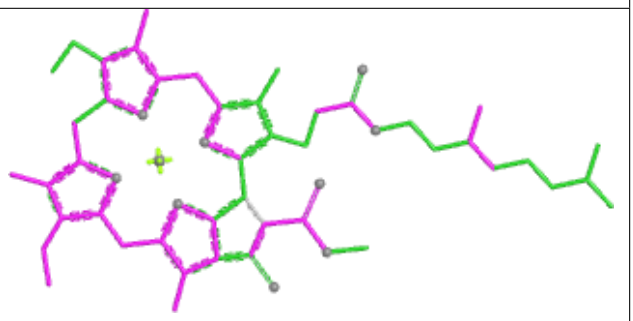


Rings

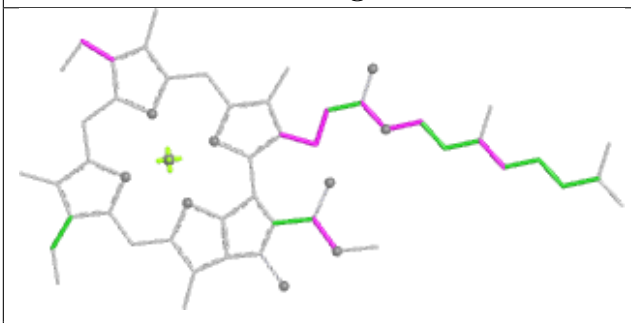
Ligand CLA cB 817



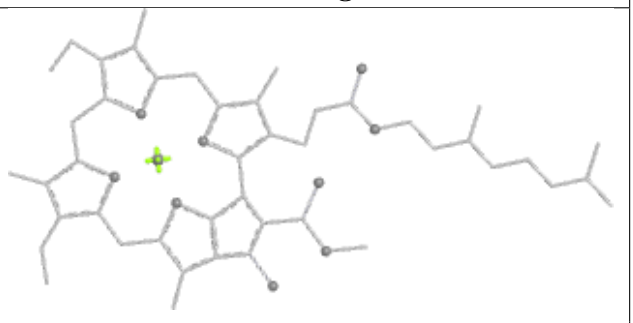
Bond lengths



Bond angles

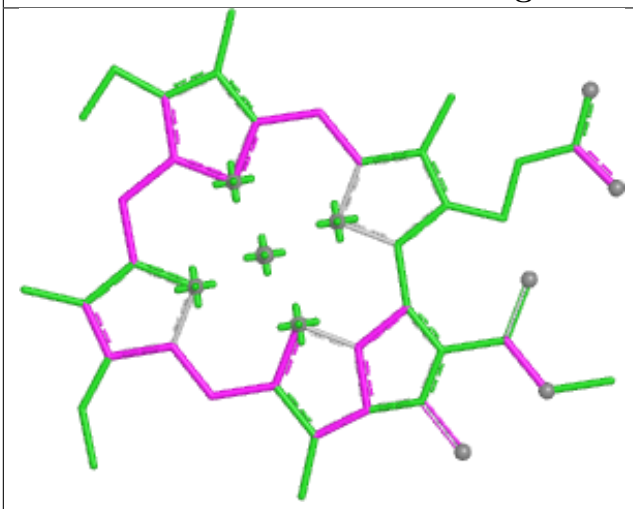


Torsions

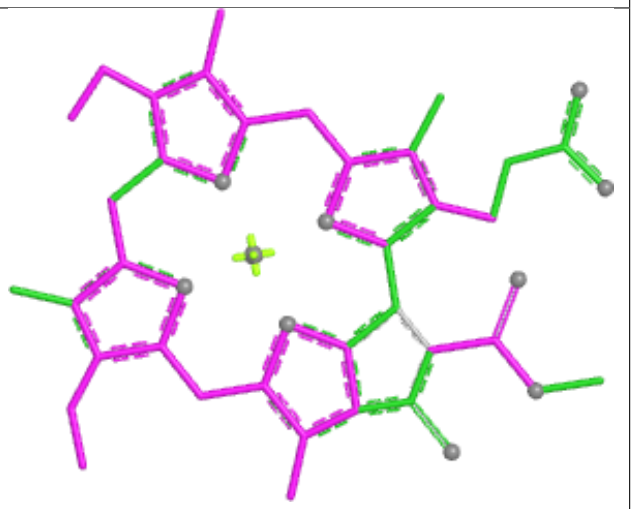


Rings

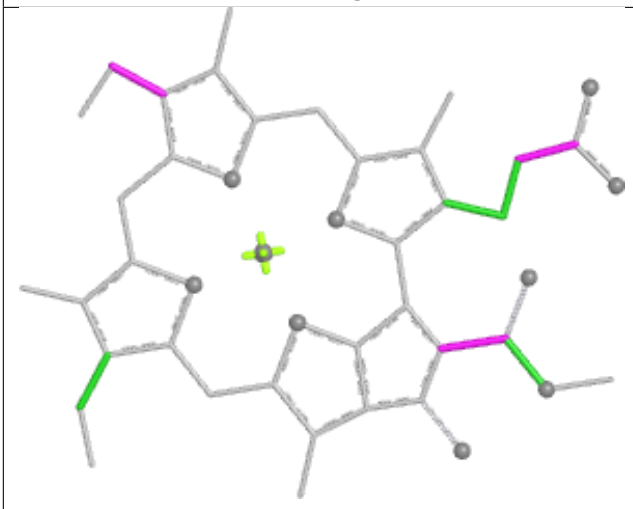
Ligand CLA aA 815



Bond lengths



Bond angles

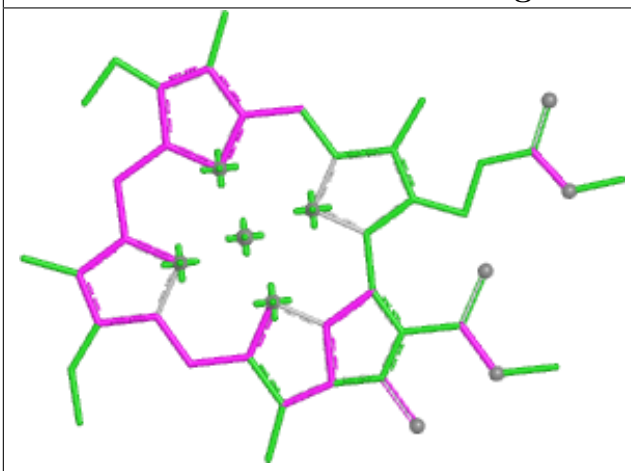


Torsions

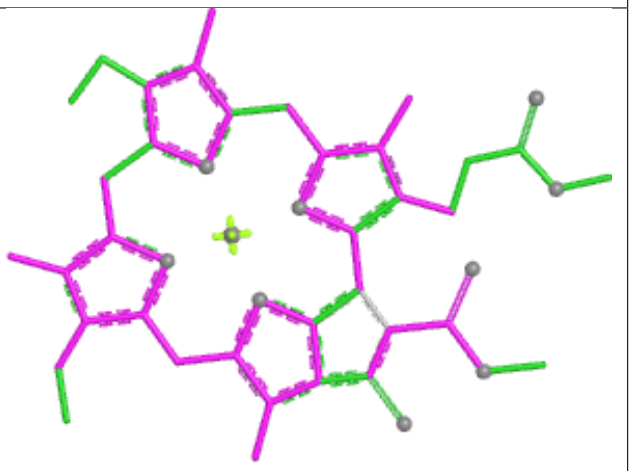


Rings

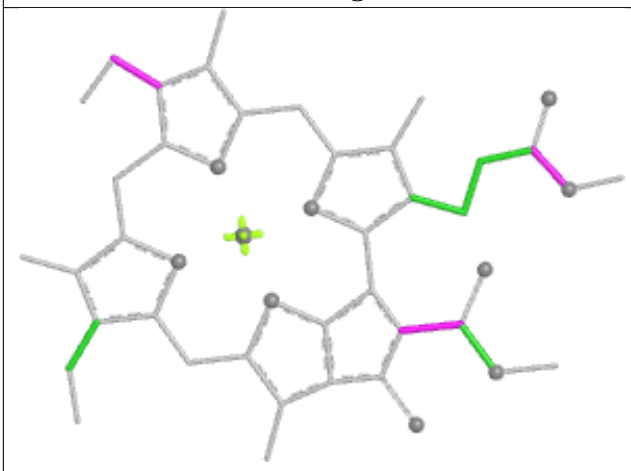
Ligand CLA bB 828



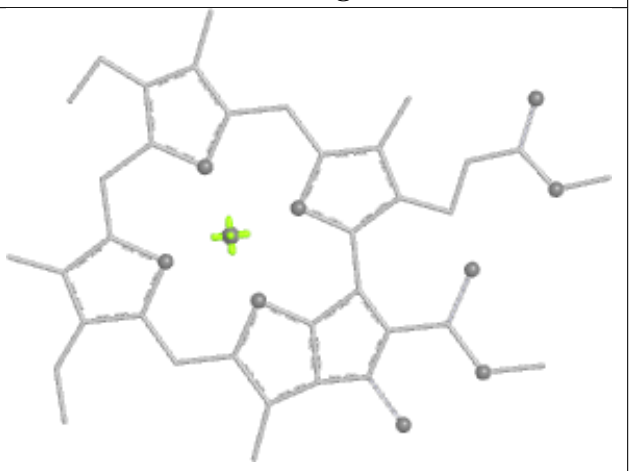
Bond lengths



Bond angles

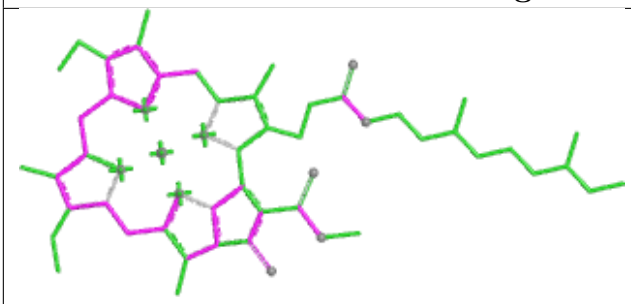


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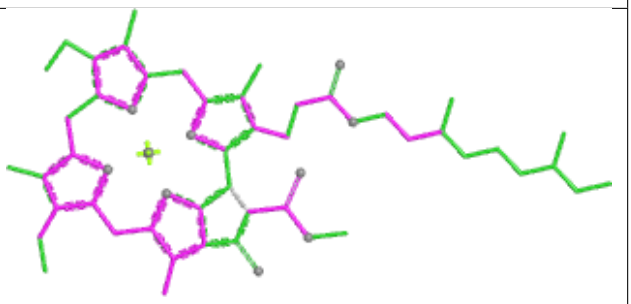


Rings

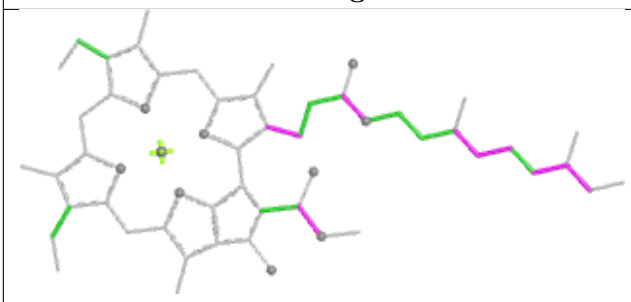
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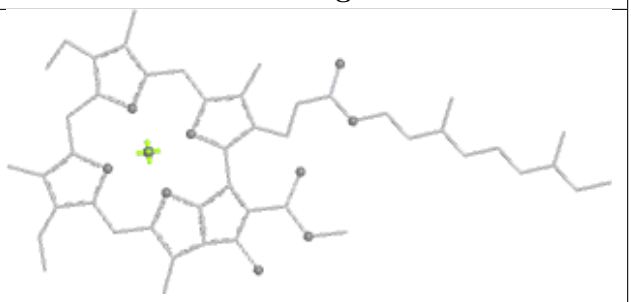
Bond lengths



Bond angles

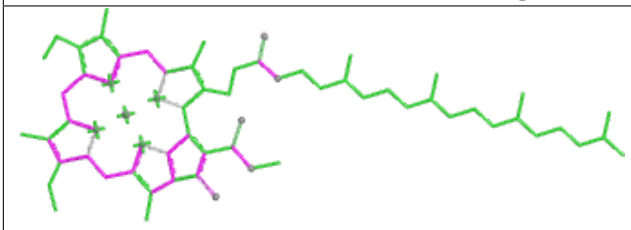


Torsions

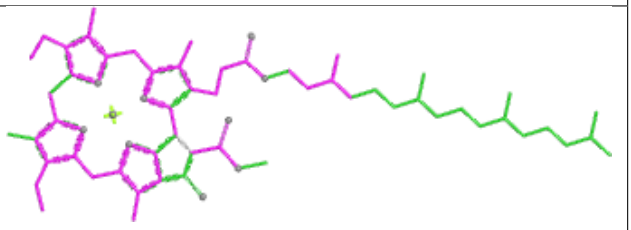


Rings

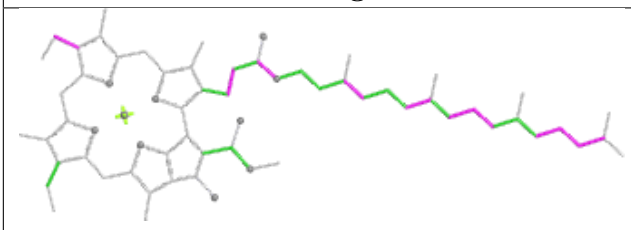
Ligand CLA bA 834



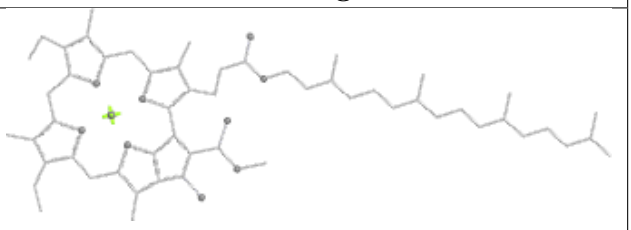
Bond lengths



Bond angles

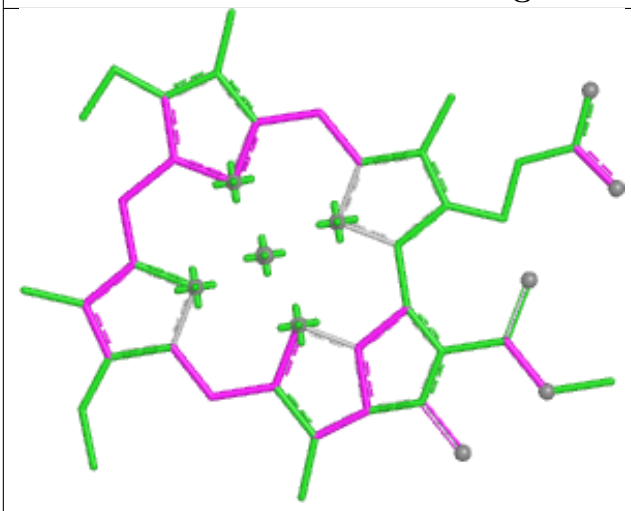


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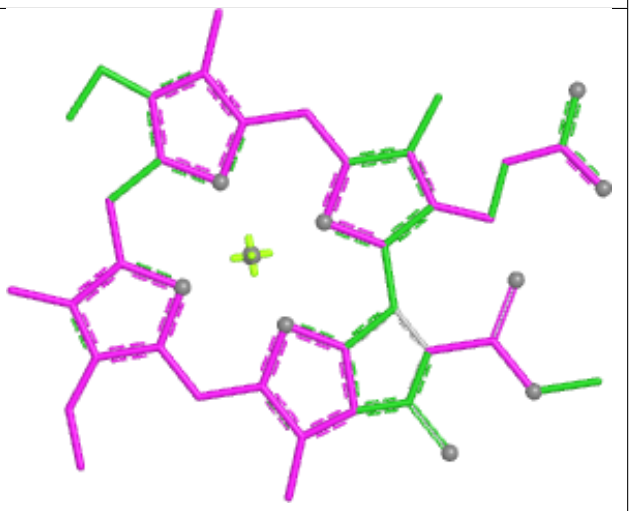


Rings

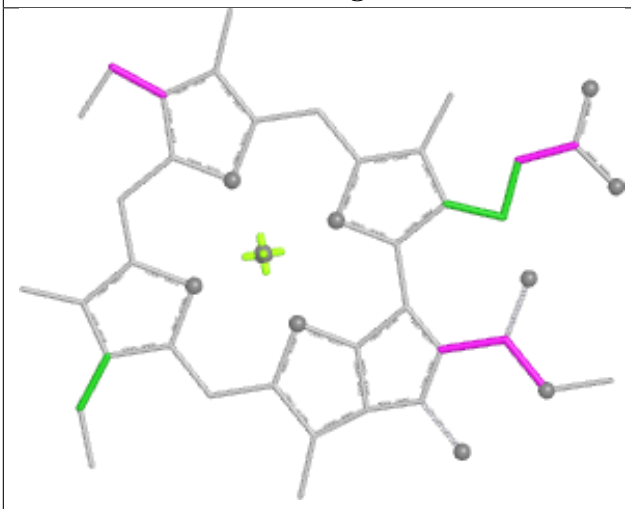
Ligand CLA bA 805



Bond lengths



Bond angles

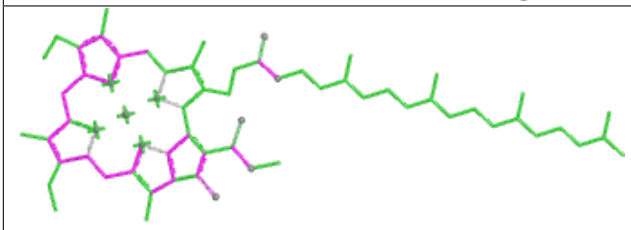


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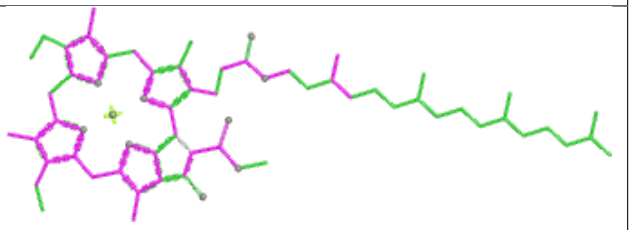


Rings

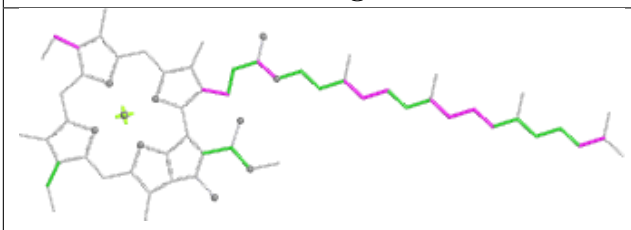
Ligand CLA aA 842



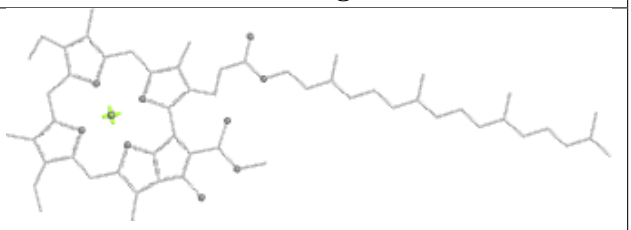
Bond lengths



Bond angles



Torsions

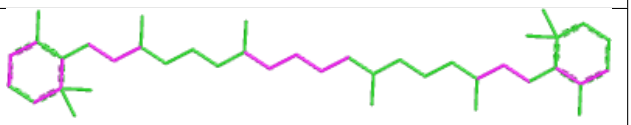


Rings

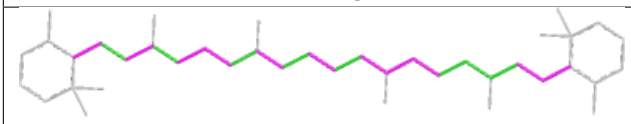
Ligand BCR bB 835



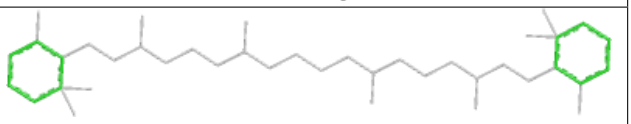
Bond lengths



Bond angles

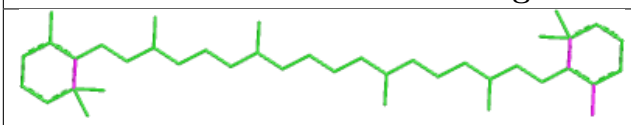


Torsions

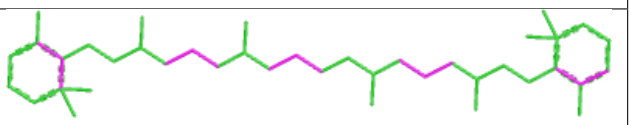


Rings

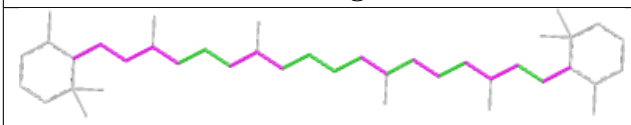
Ligand BCR dB 836



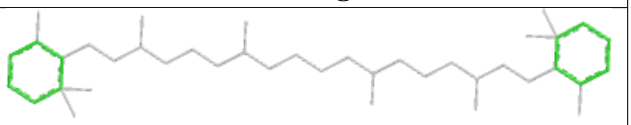
Bond lengths



Bond angles

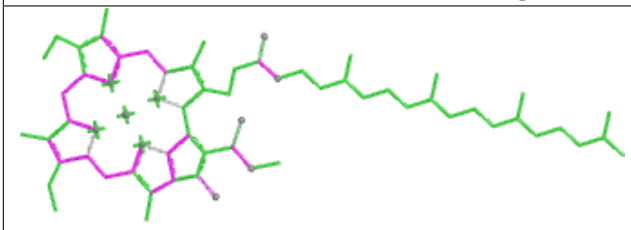


Torsions

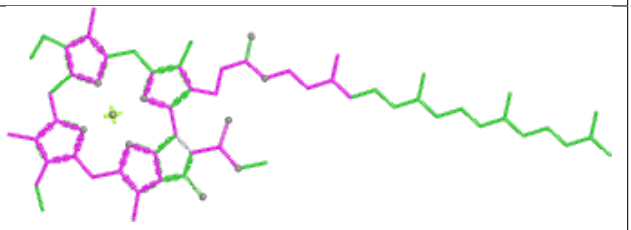


Rings

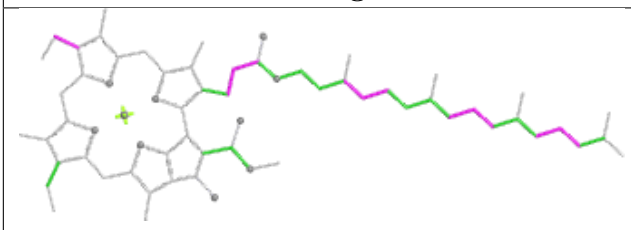
Ligand CLA bA 826



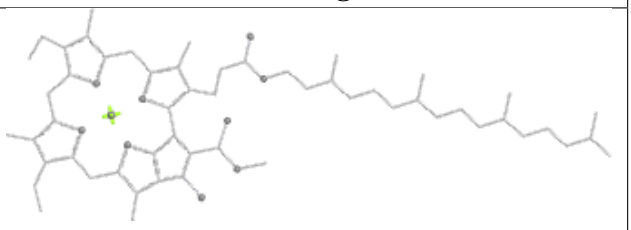
Bond lengths



Bond angles

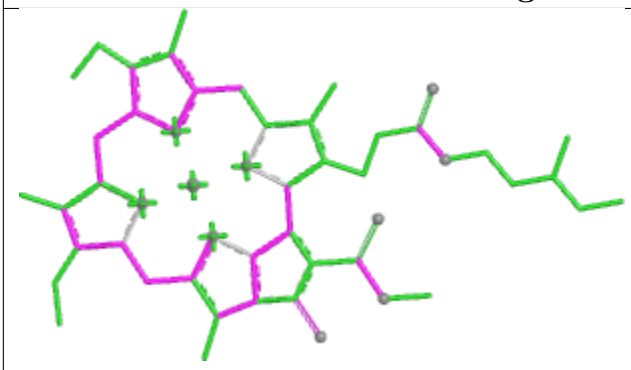


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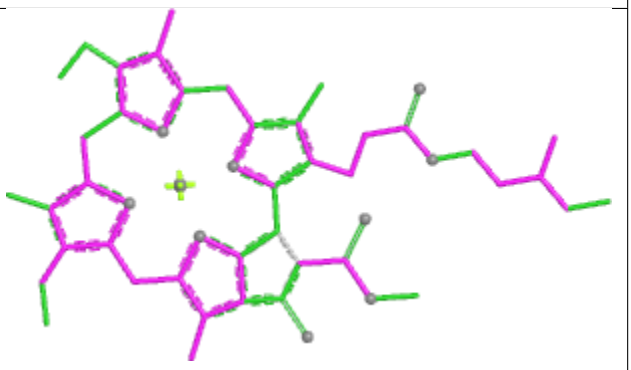


Rings

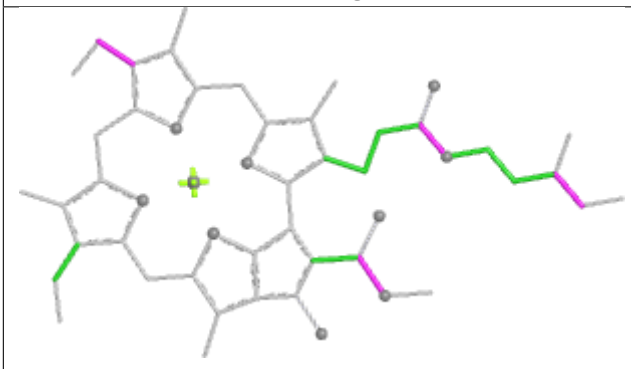
Ligand CLA aF 201



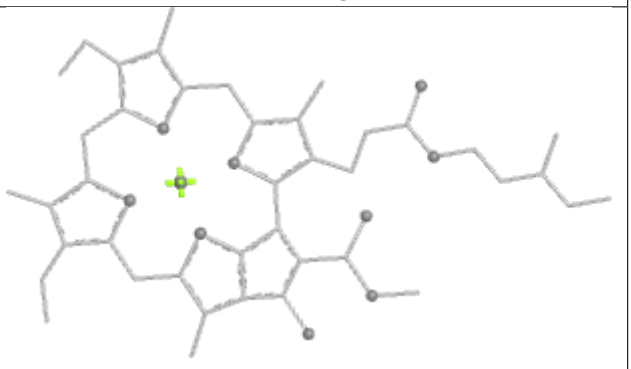
Bond lengths



Bond angles

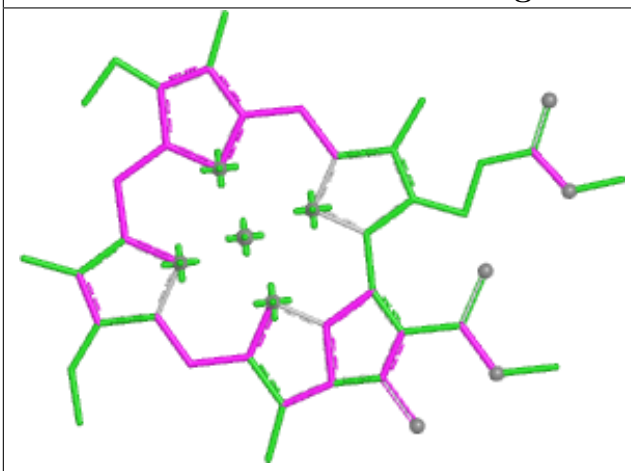


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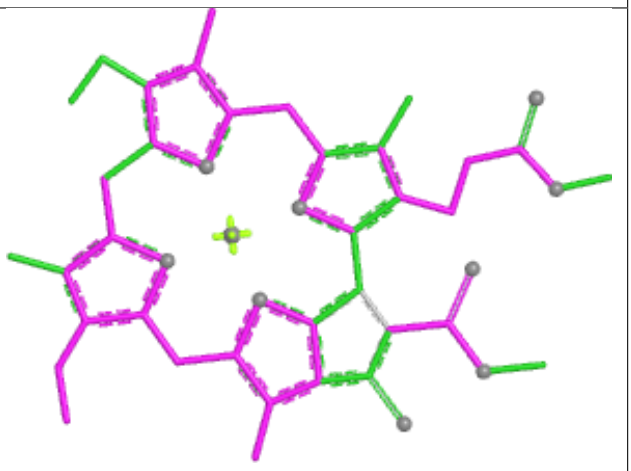


Rings

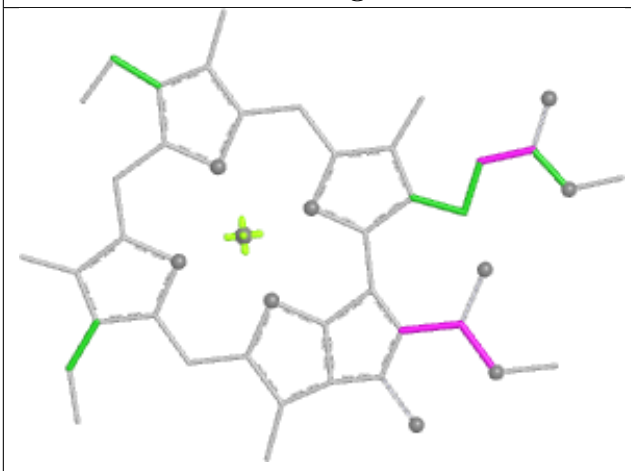
Ligand CLA bB 819



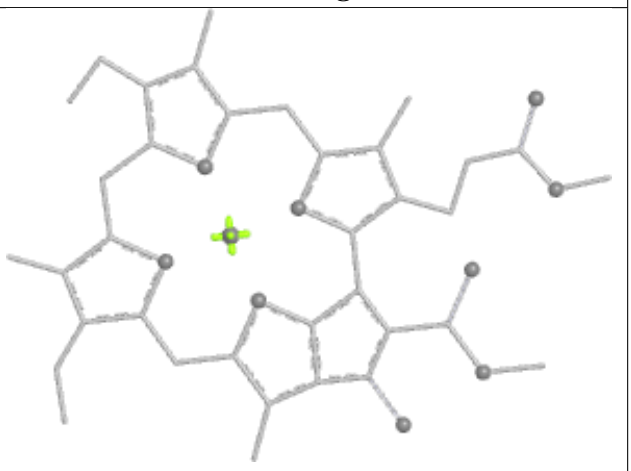
Bond lengths



Bond angles



Torsions

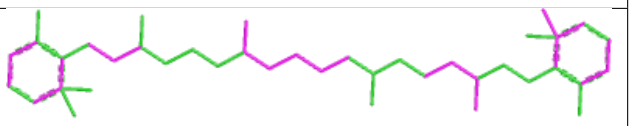


Rings

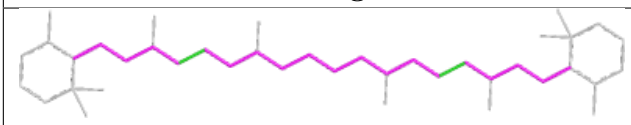
Ligand BCR aA 849



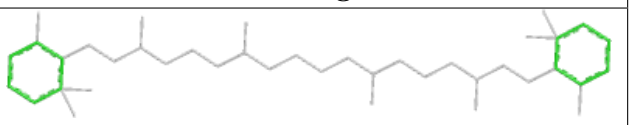
Bond lengths



Bond angles

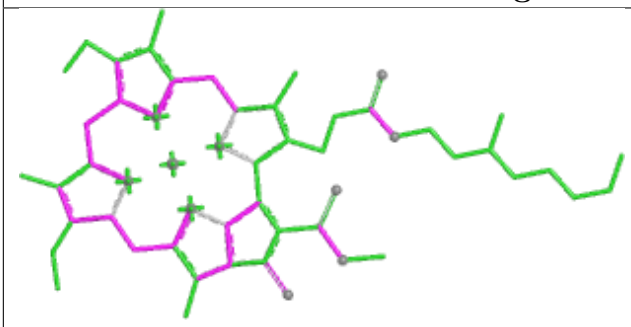


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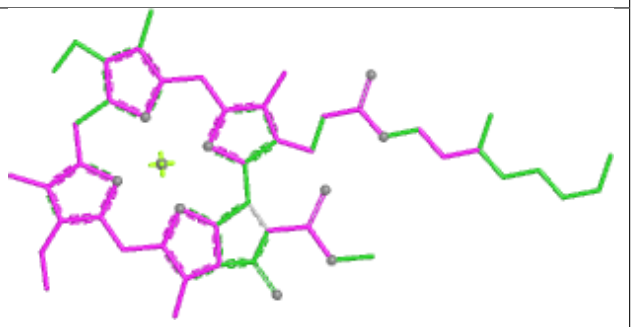


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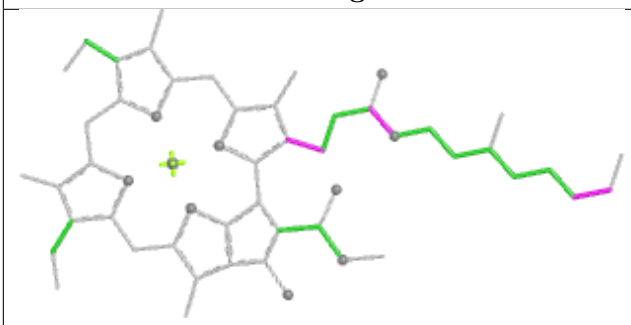
Ligand CLA dA 836



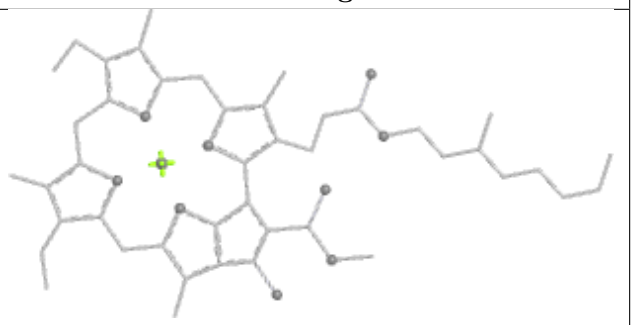
Bond lengths



Bond angles



Torsions

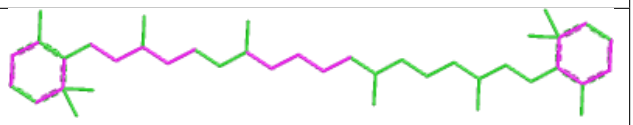


Rings

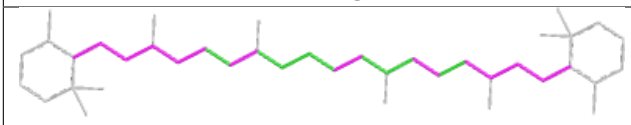
Ligand BCR dJ 103



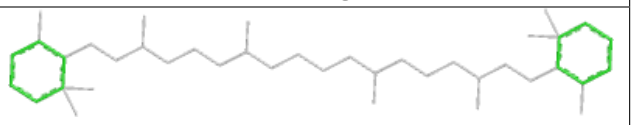
Bond lengths



Bond angles

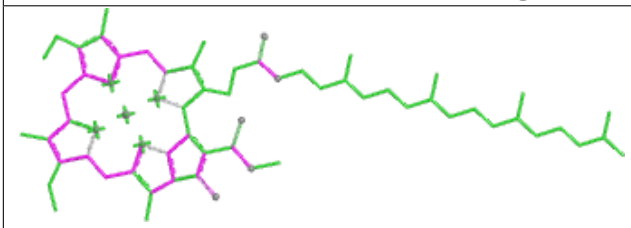


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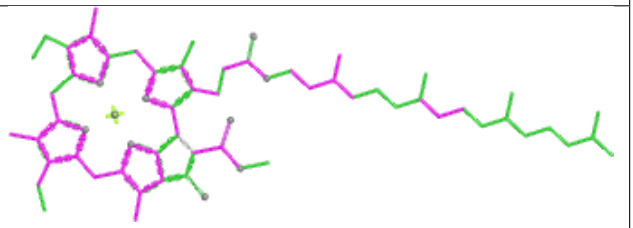


Rings

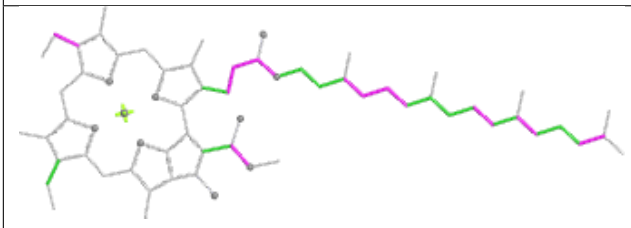
Ligand CLA bB 821



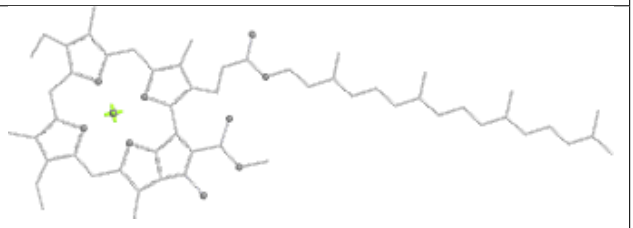
Bond lengths



Bond angles

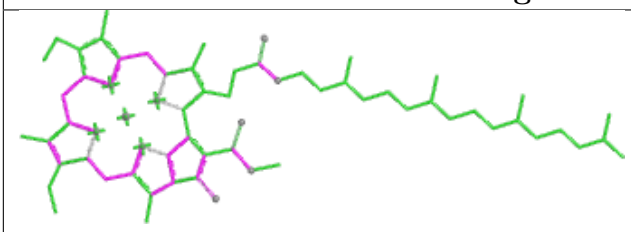


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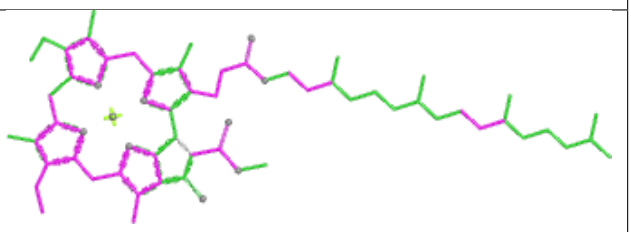


Rings

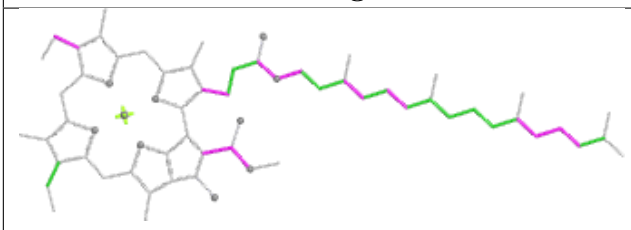
Ligand CLA dA 835



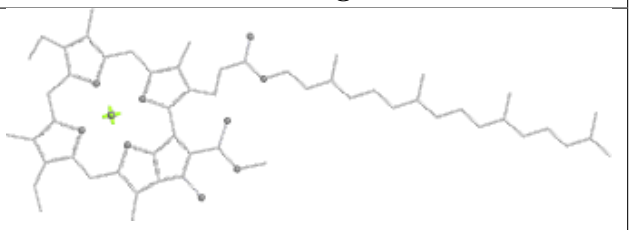
Bond lengths



Bond angles

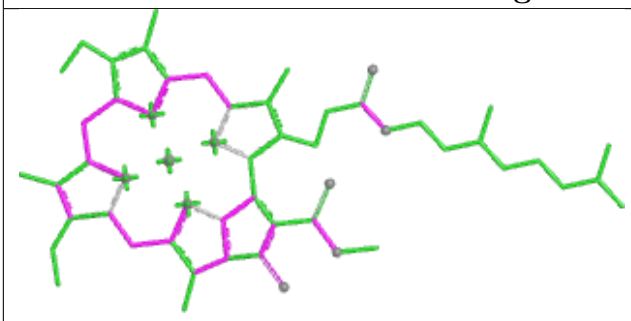


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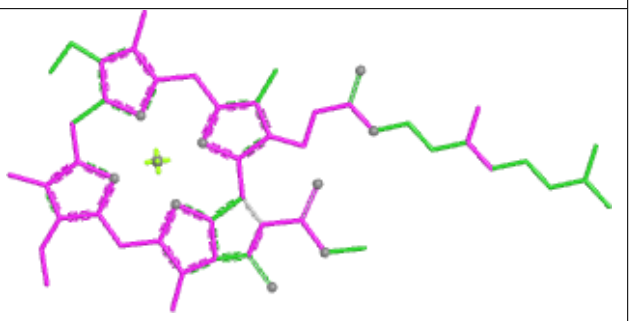


Rings

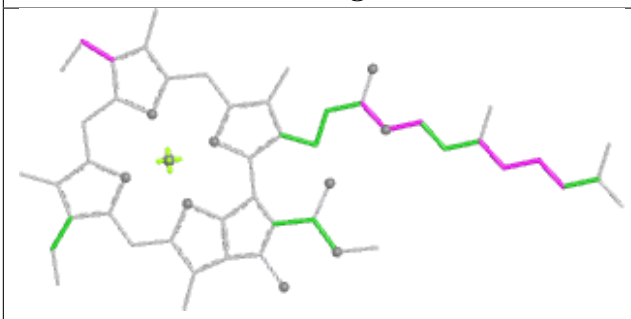
Ligand CLA bA 827



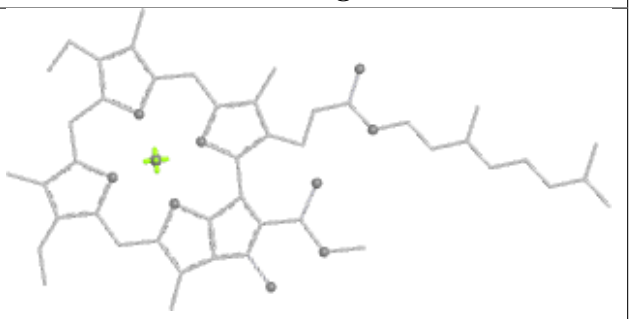
Bond lengths



Bond angles

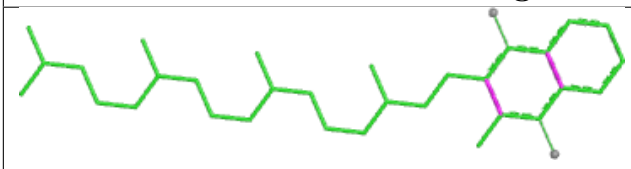


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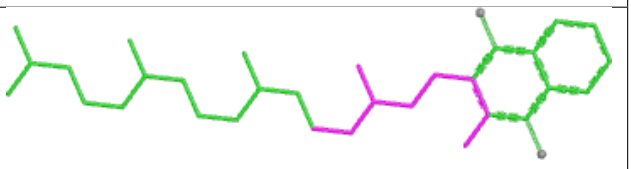


Rings

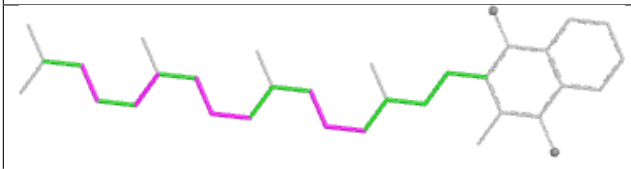
Ligand PQN cA 844



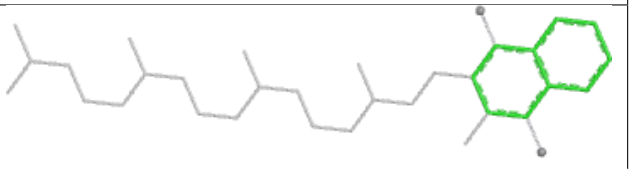
Bond lengths



Bond angles

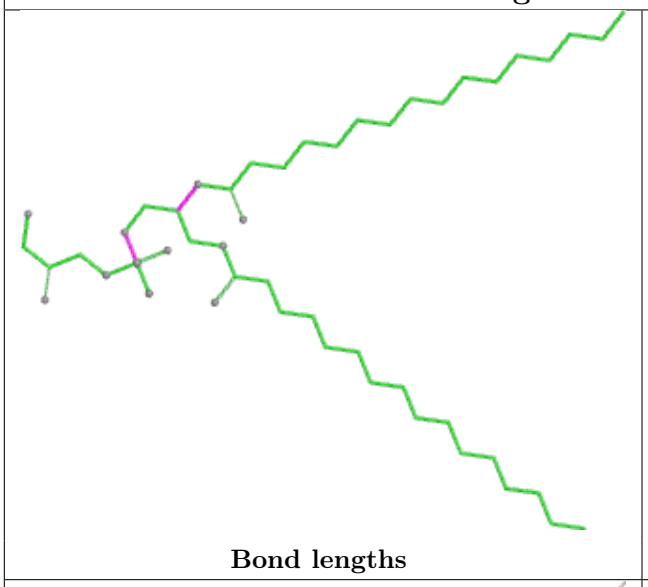


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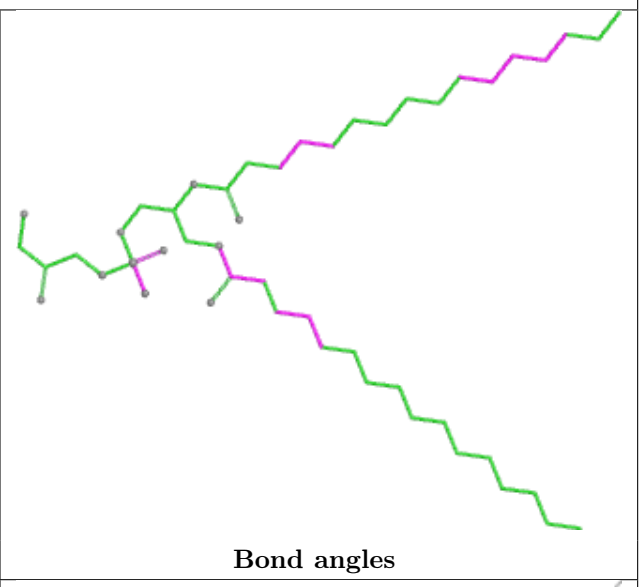


Rings

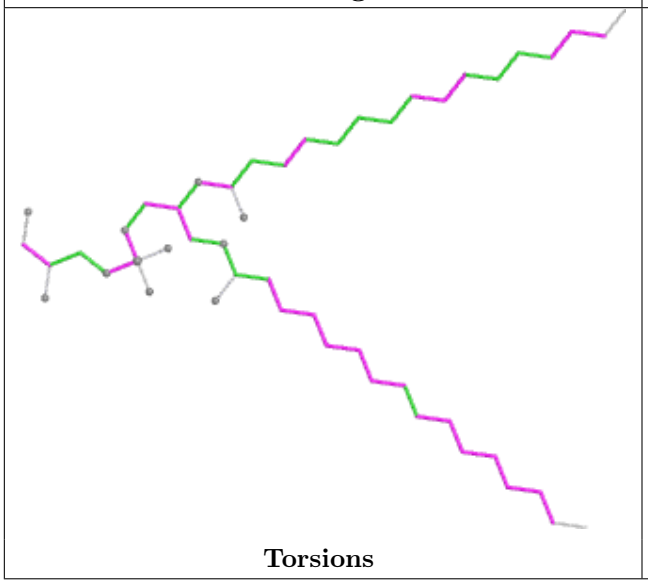
Ligand LHG dA 852



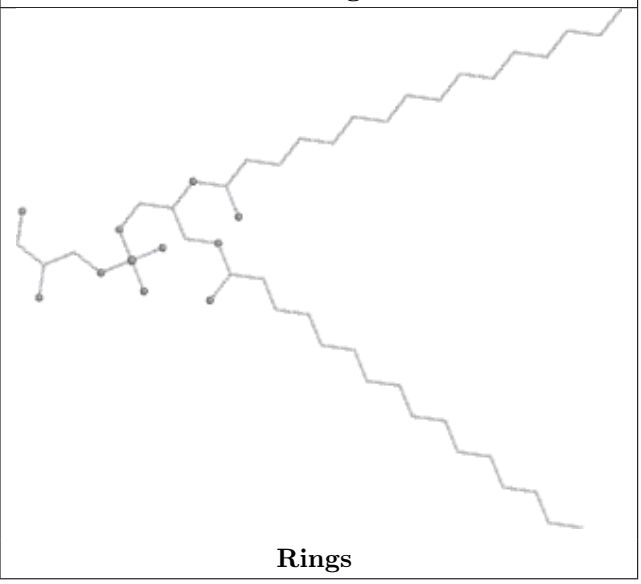
Bond lengths



Bond angles

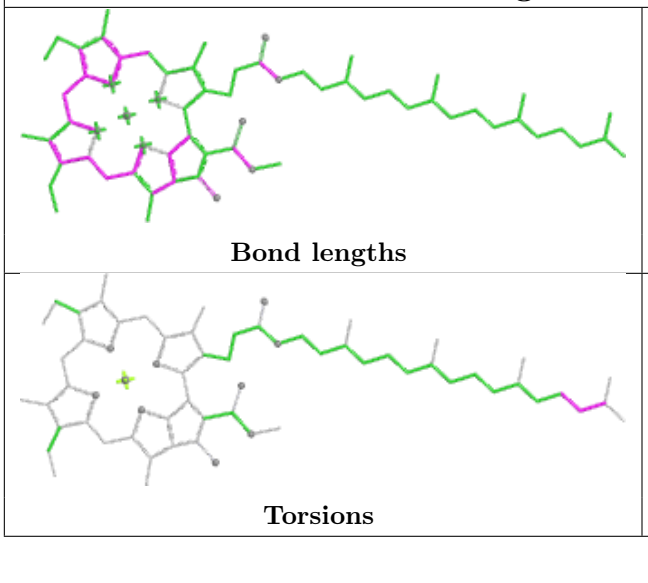


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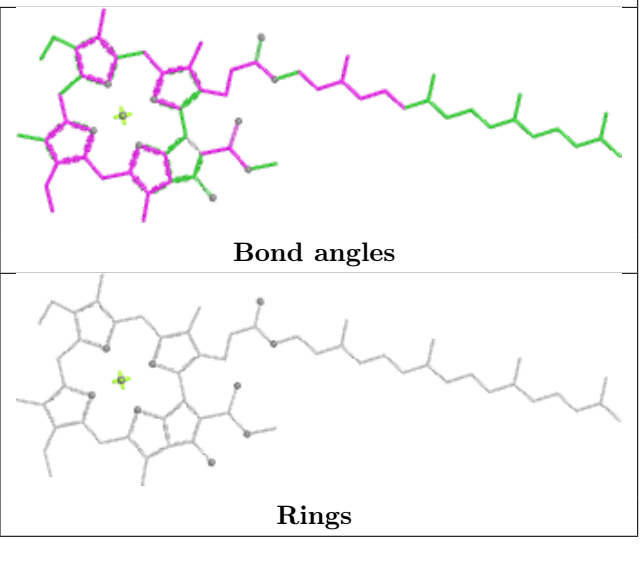


Rings

Ligand CLA bB 808



Bond lengths

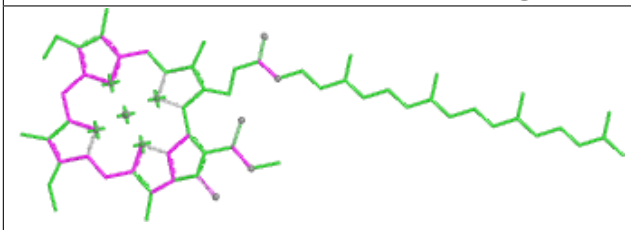


Bond angles

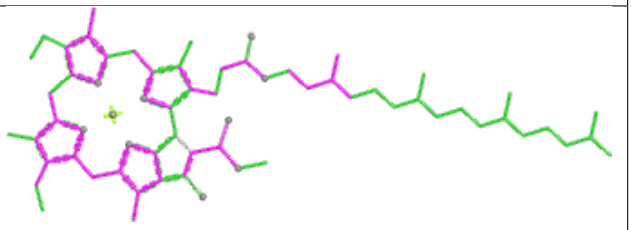
Torsions

Rings

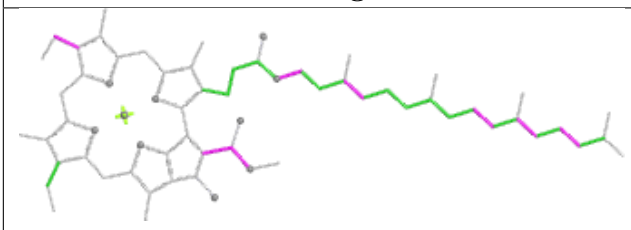
Ligand CLA cA 835



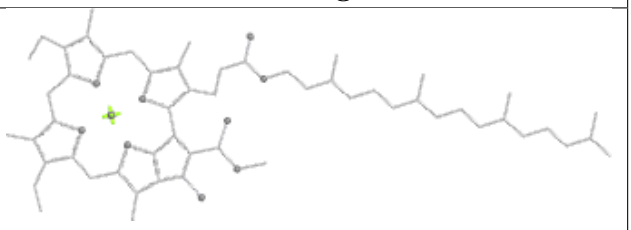
Bond lengths



Bond angles

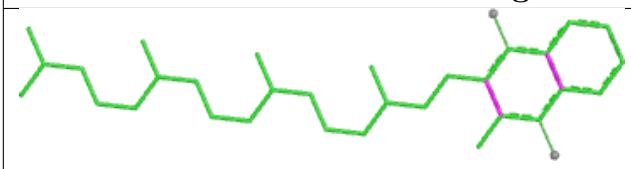


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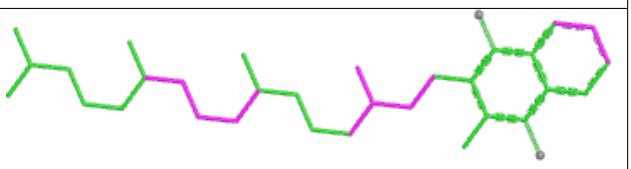


Rings

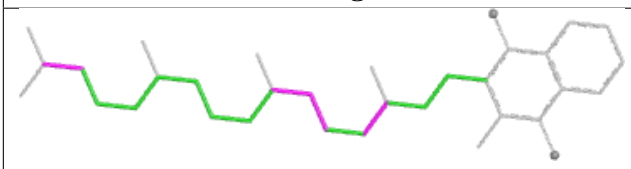
Ligand PQN bB 833



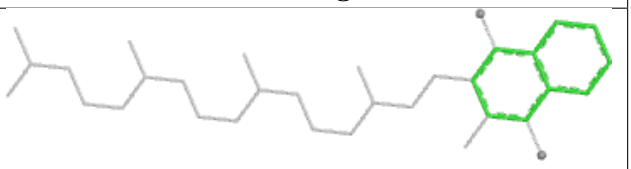
Bond lengths



Bond angles

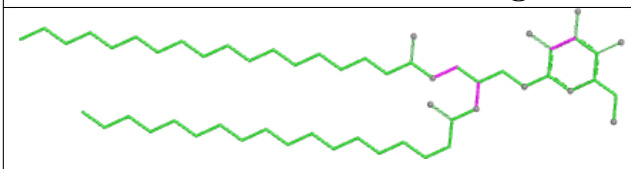


Torsions

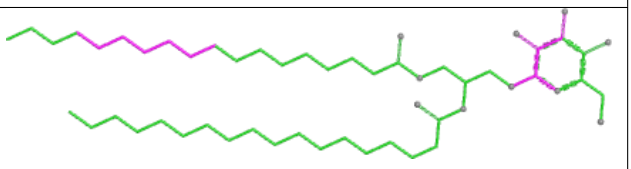


Rings

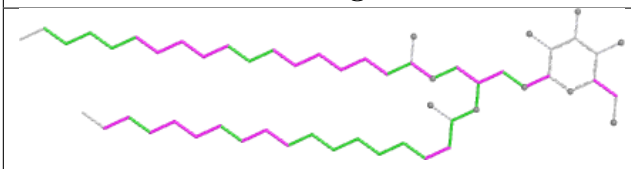
Ligand LMG bB 837



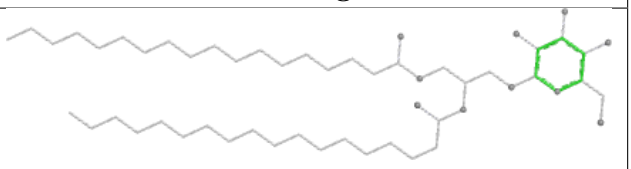
Bond lengths



Bond angles

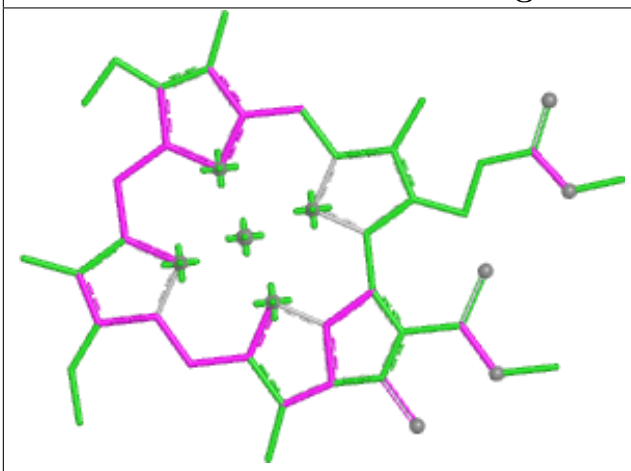


Torsions

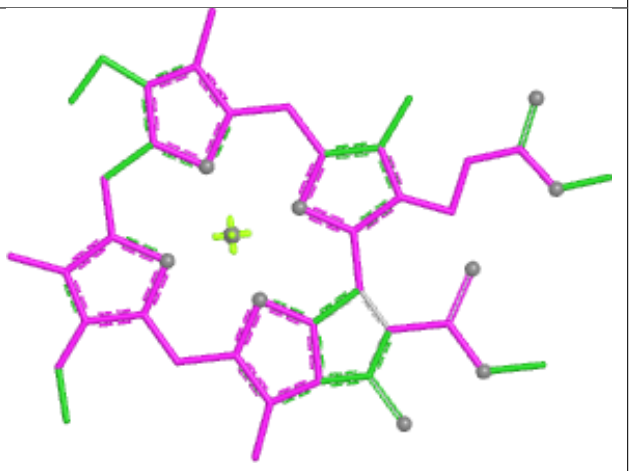


Rings

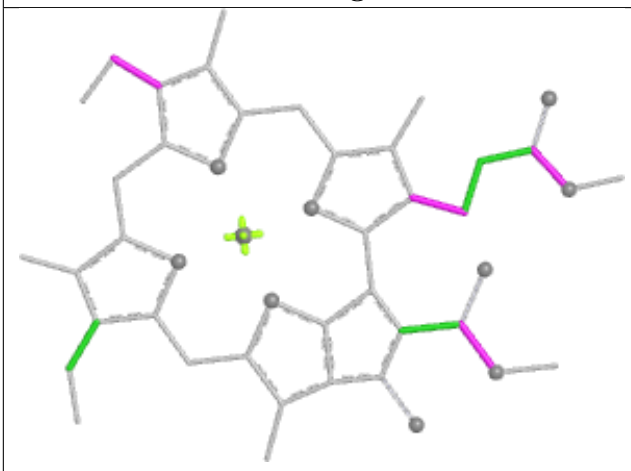
Ligand CLA aB 830



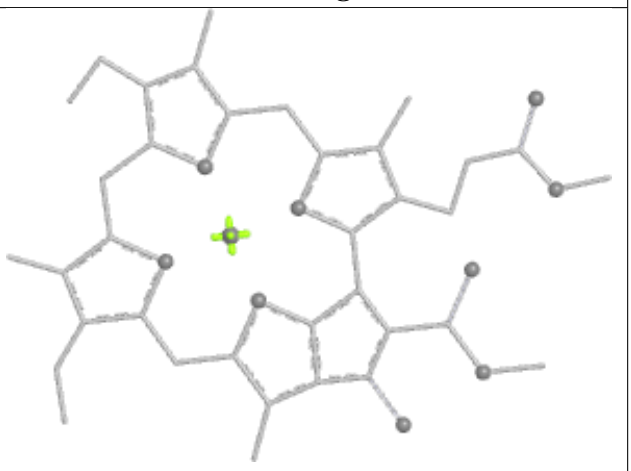
Bond lengths



Bond angles

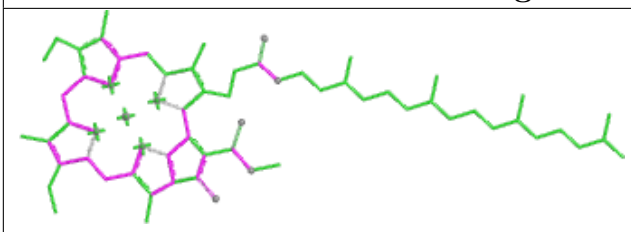


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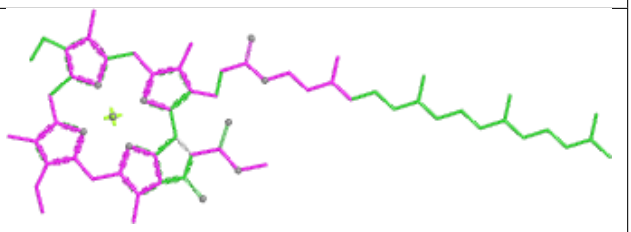


Rings

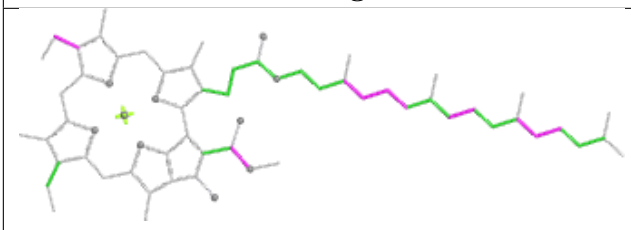
Ligand CLA bB 802



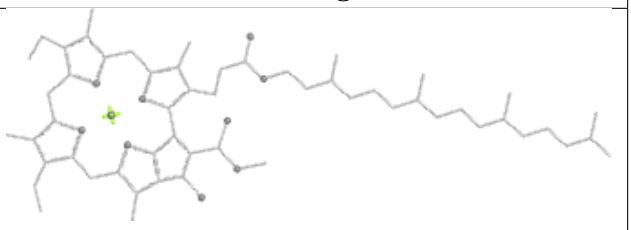
Bond lengths



Bond angles

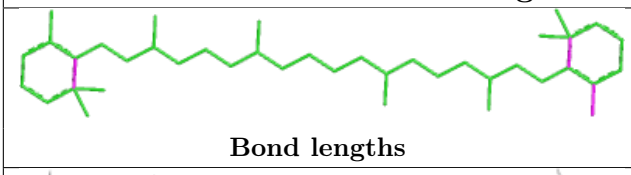


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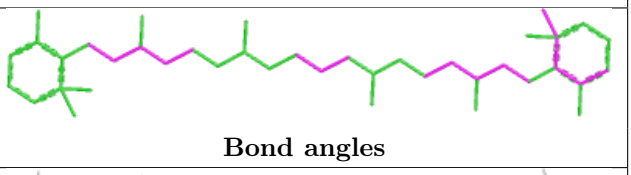


Rings

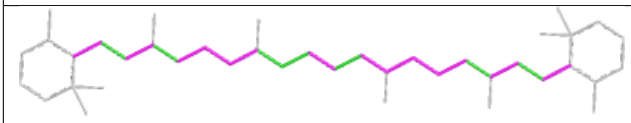
Ligand BCR cF 202



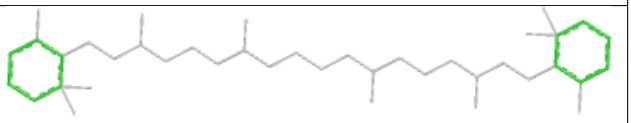
Bond lengths



Bond angles

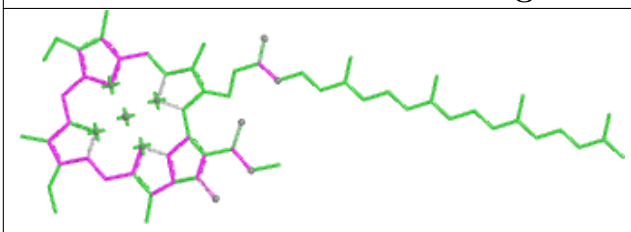


Torsions

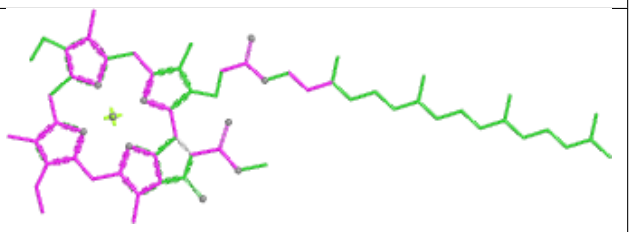


Rings

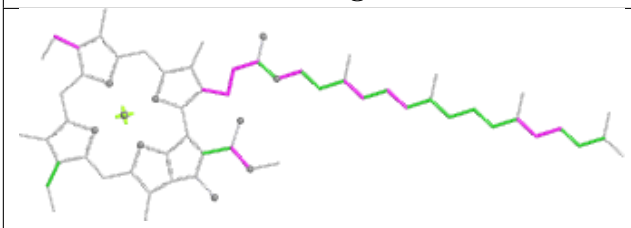
Ligand CLA cA 830



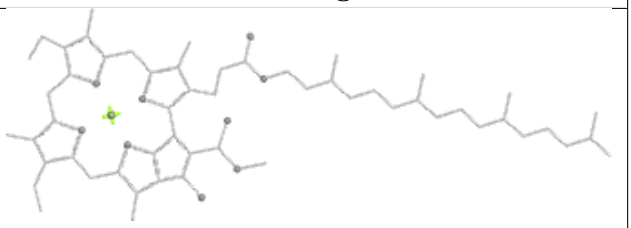
Bond lengths



Bond angles

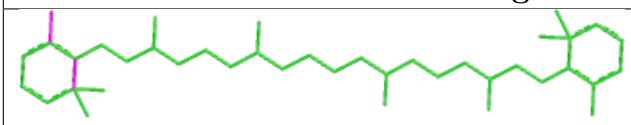


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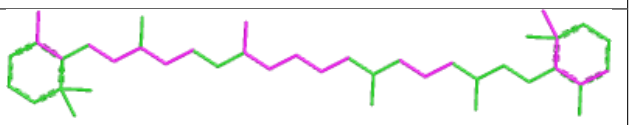


Rings

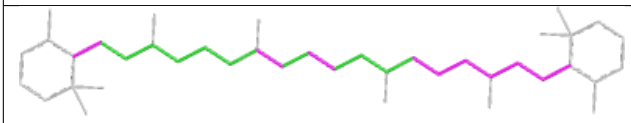
Ligand BCR dA 849



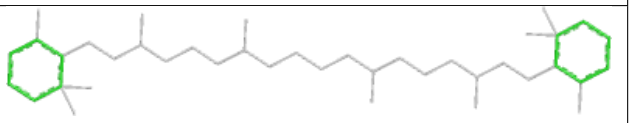
Bond lengths



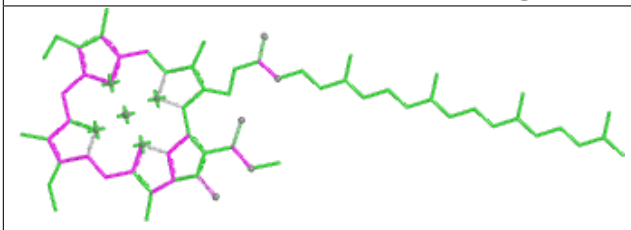
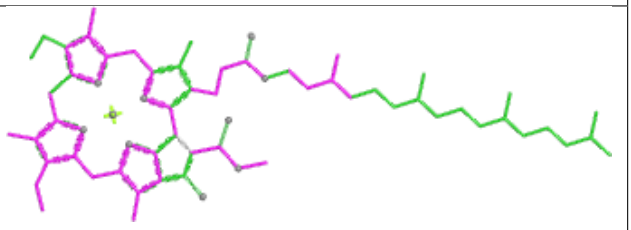
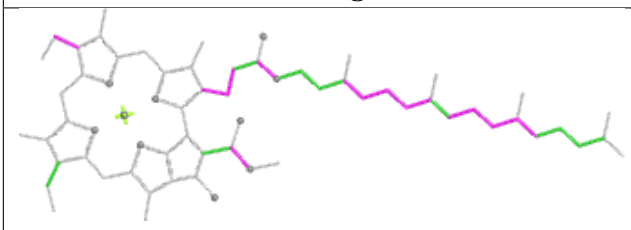
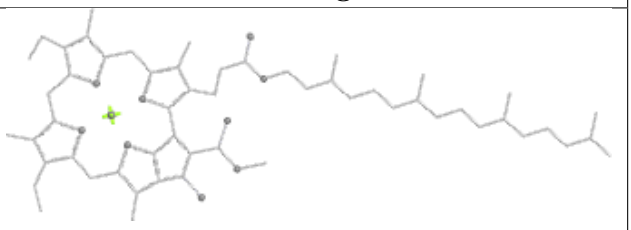
Bond angles

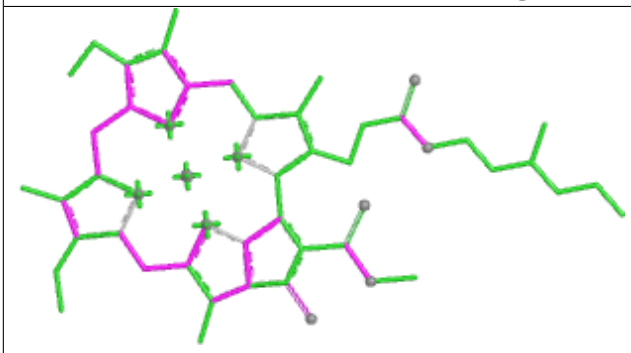
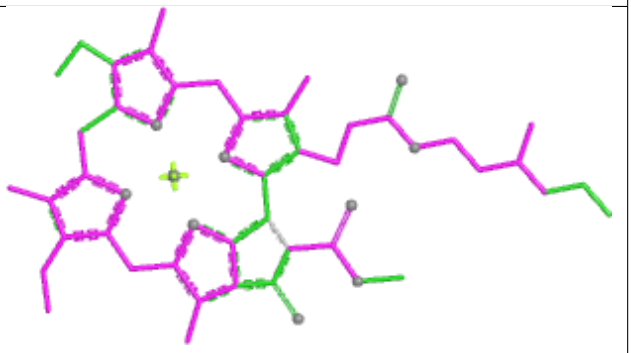
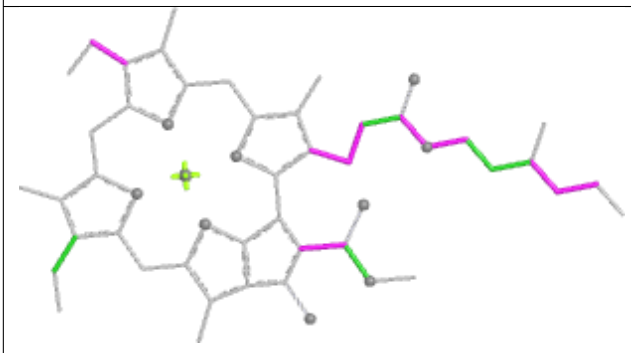
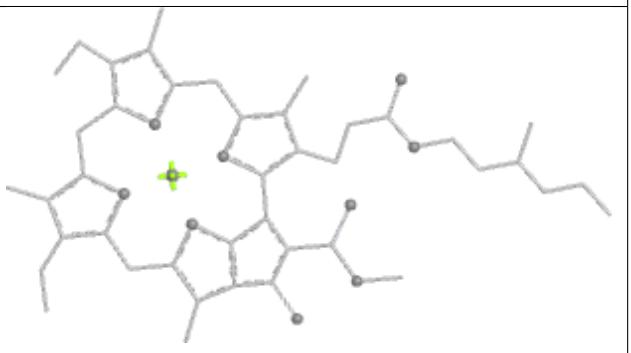


Torsions

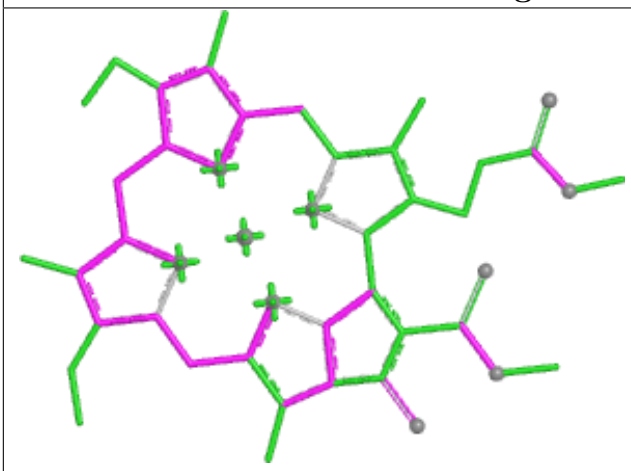


Rings

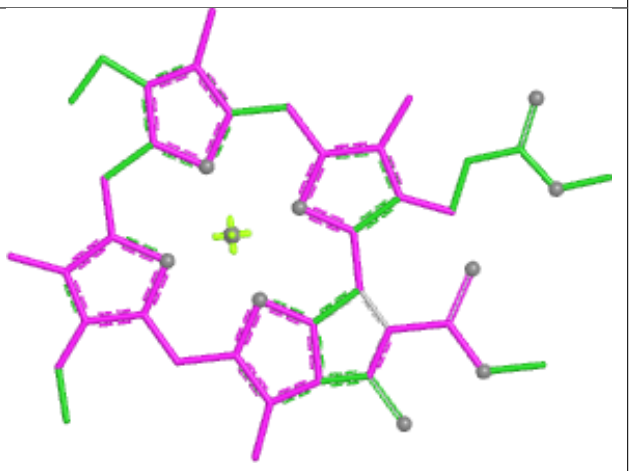
Ligand CLA cA 809	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA bA 844	
 Bond lengths	 Bond angles
 Torsions	 Rings

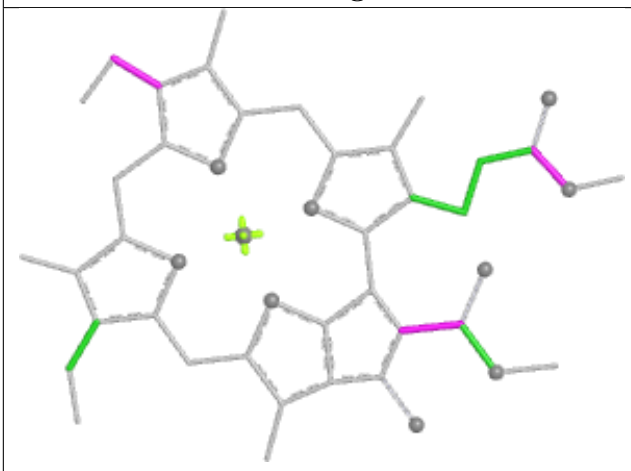
Ligand CLA dB 828



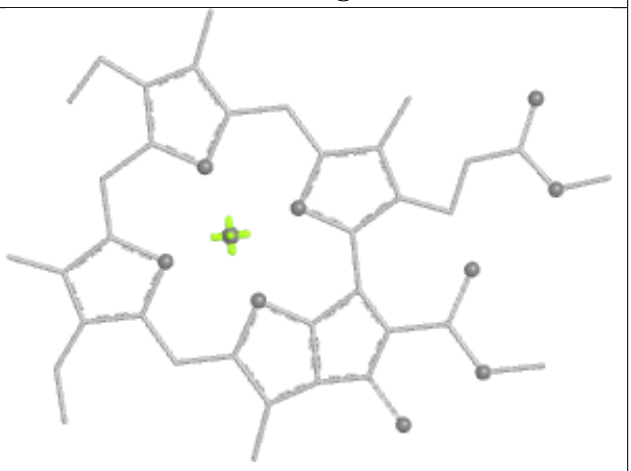
Bond lengths



Bond angles

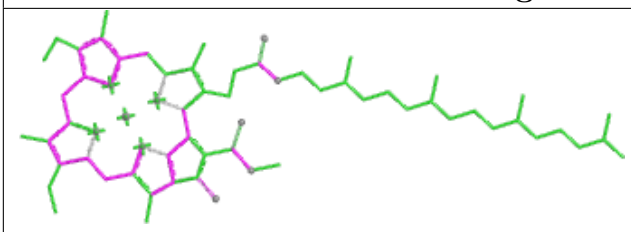


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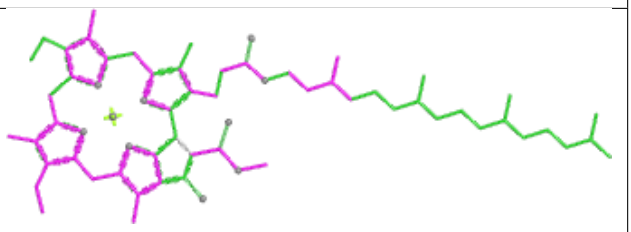


Rings

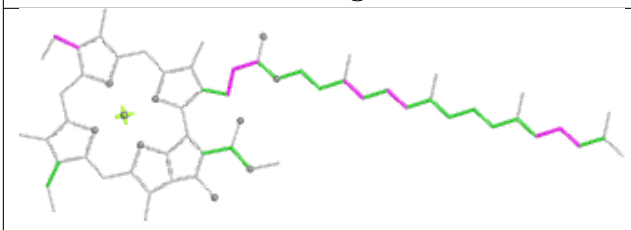
Ligand CLA cA 841



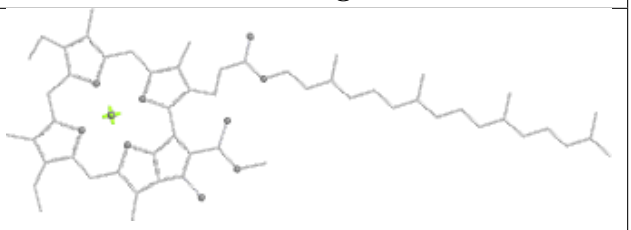
Bond lengths



Bond angles

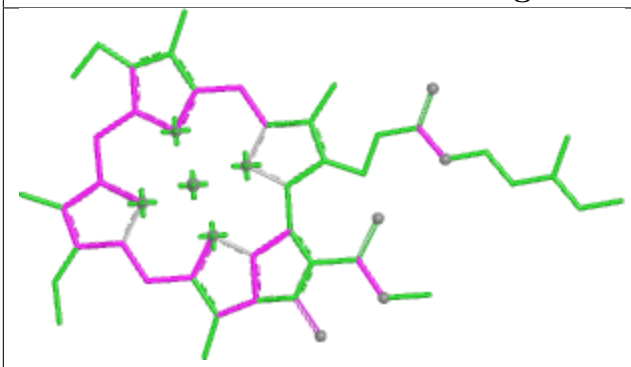


Torsions

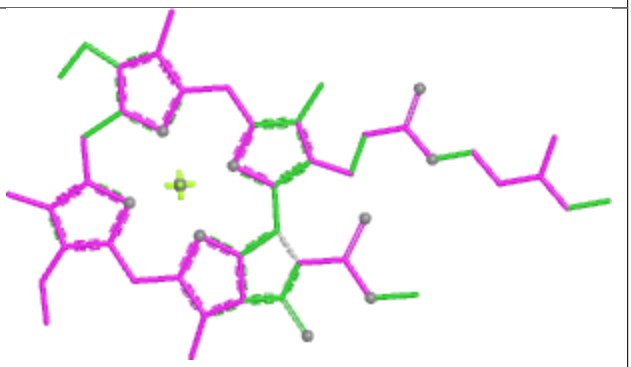


Rings

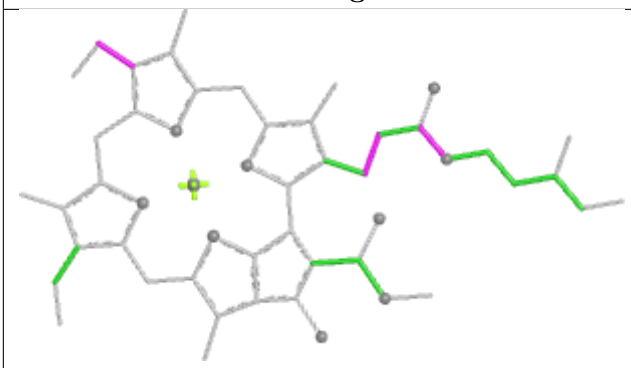
Ligand CLA bA 808



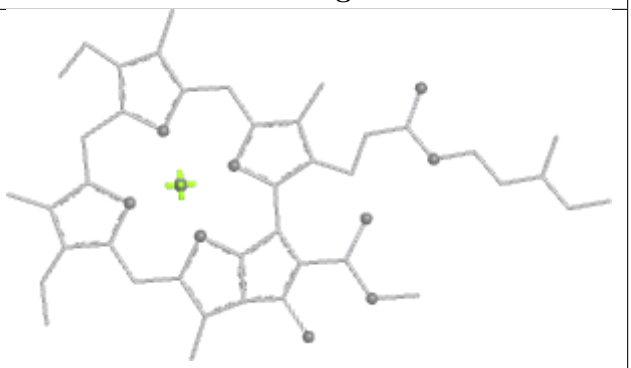
Bond lengths



Bond angles

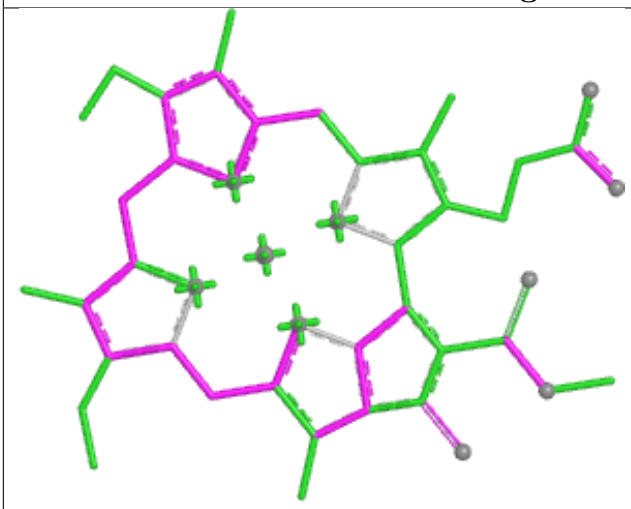


Torsions

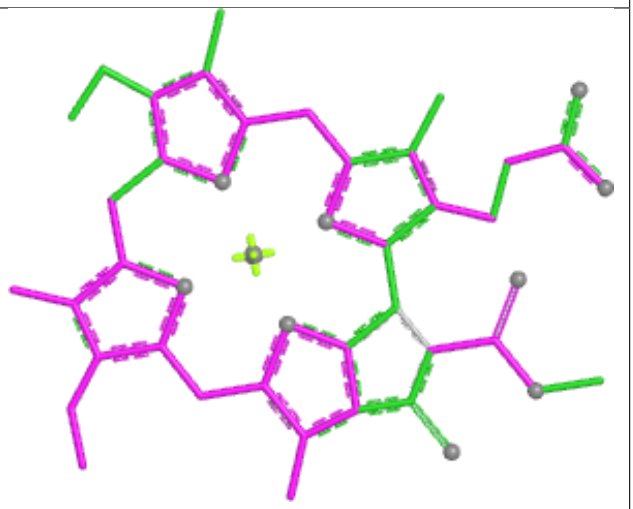


Rings

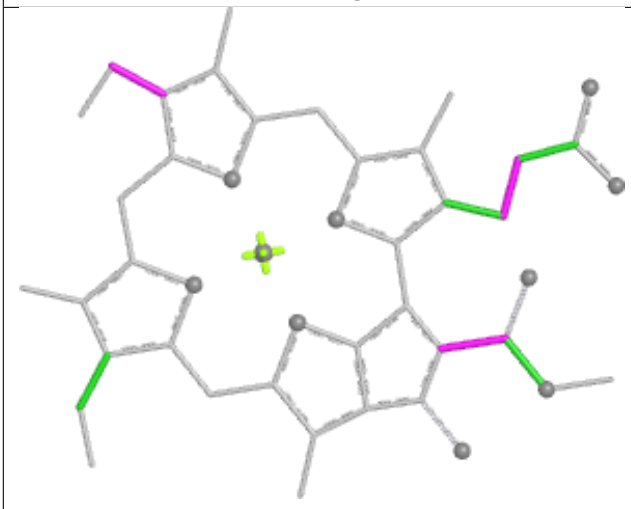
Ligand CLA cJ 101



Bond lengths



Bond angles

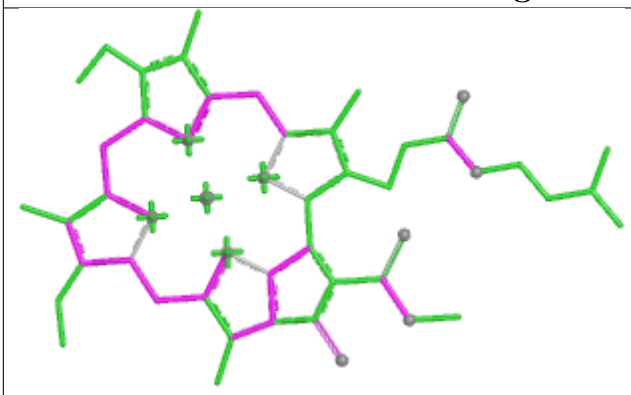


Torsions

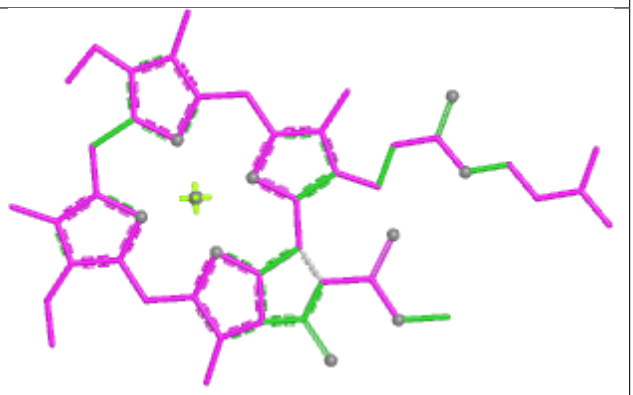


Rings

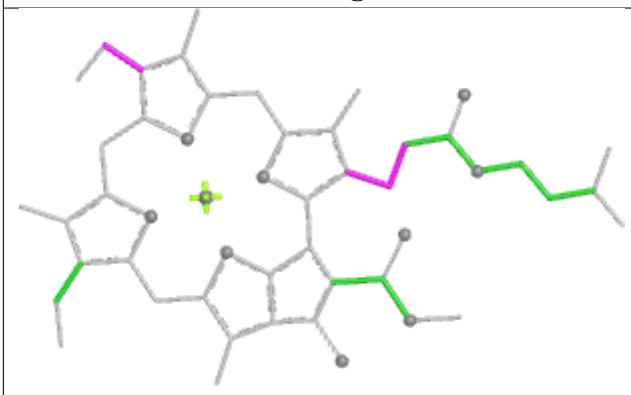
Ligand CLA bA 832



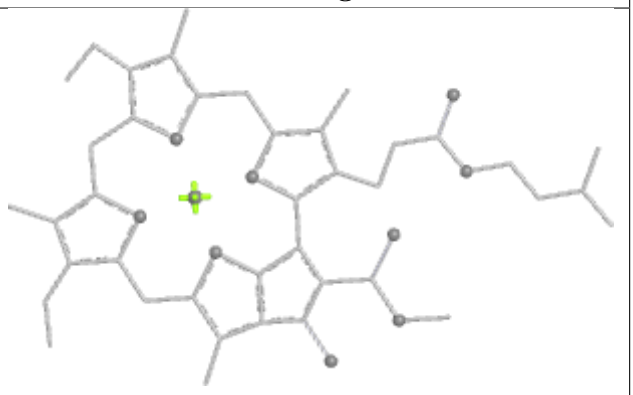
Bond lengths



Bond angles



Torsions

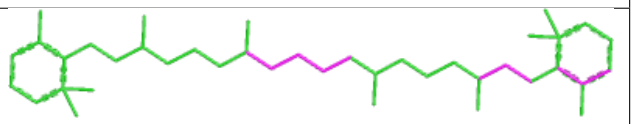


Rings

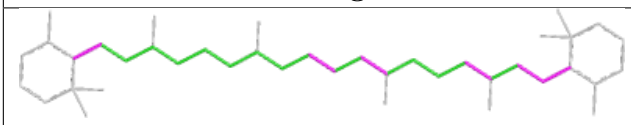
Ligand BCR cL 201



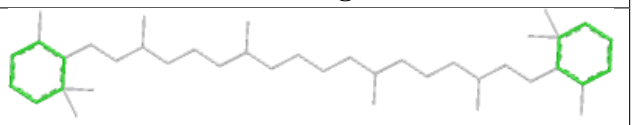
Bond lengths



Bond angles

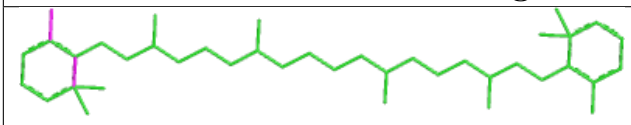


Torsions

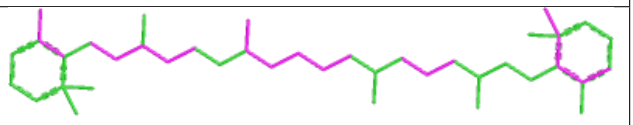


Rings

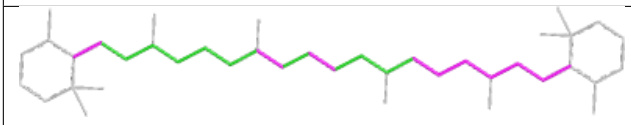
Ligand BCR bA 849



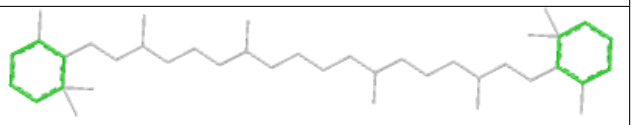
Bond lengths



Bond angles

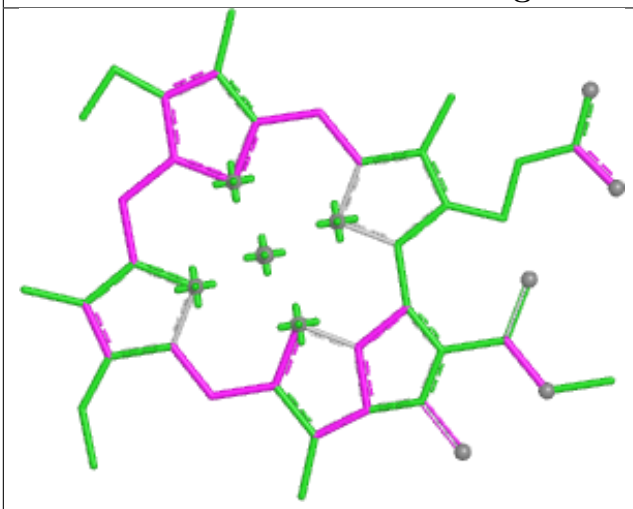


Torsions

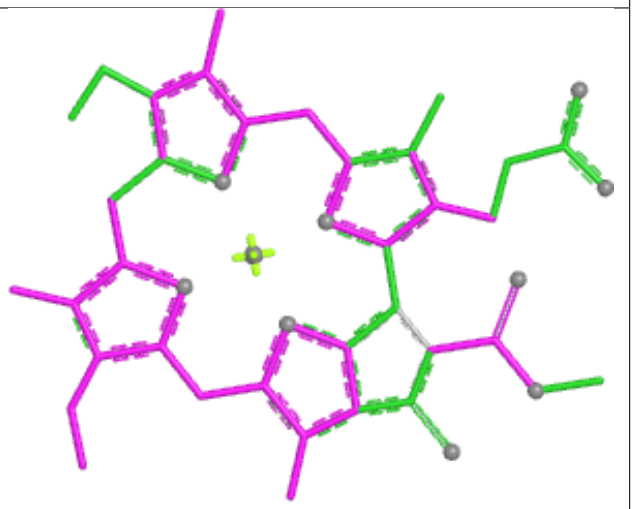


Rings

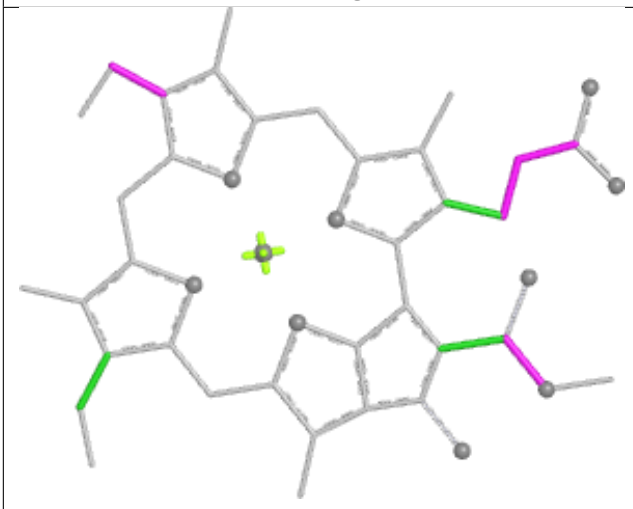
Ligand CLA dA 803



Bond lengths



Bond angles

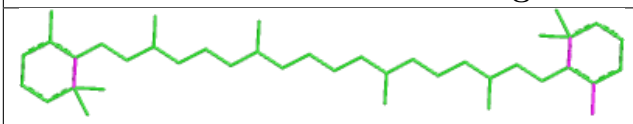


Torsions

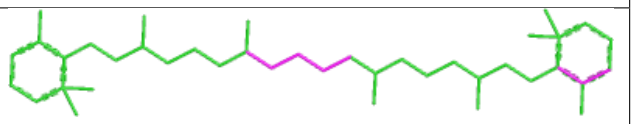


Rings

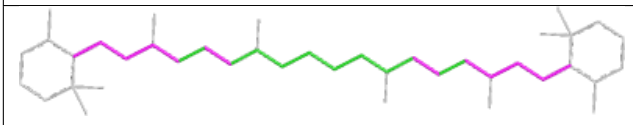
Ligand BCR dB 834



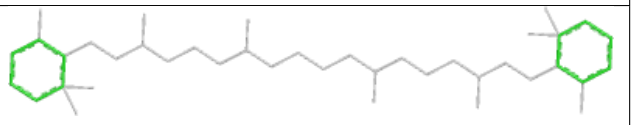
Bond lengths



Bond angles

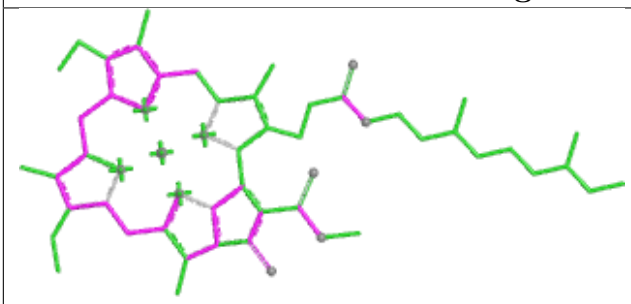


Torsions

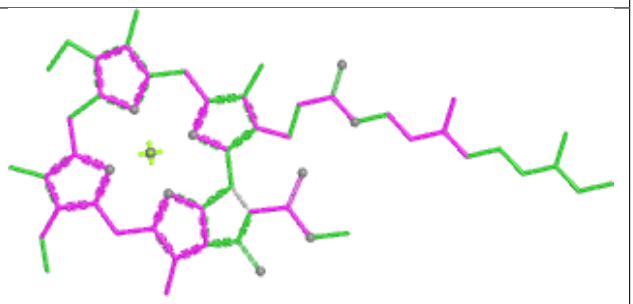


Rings

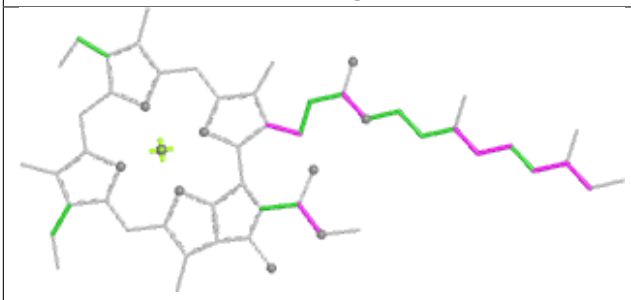
Ligand CLA bB 814



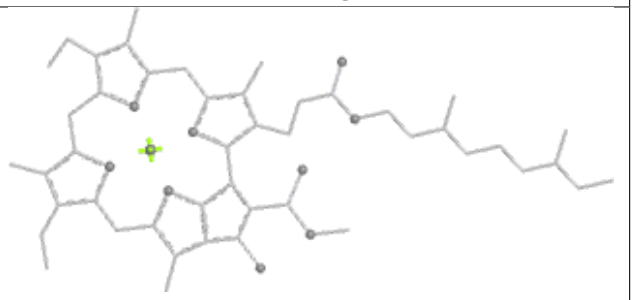
Bond lengths



Bond angles

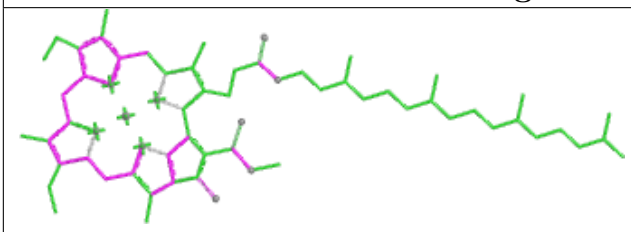


Torsions

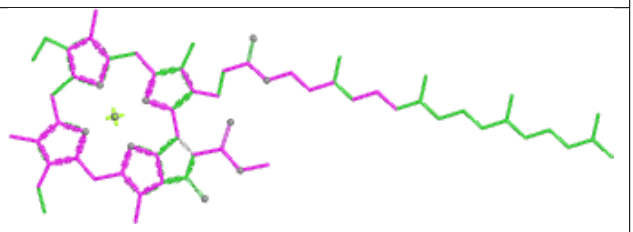


Rings

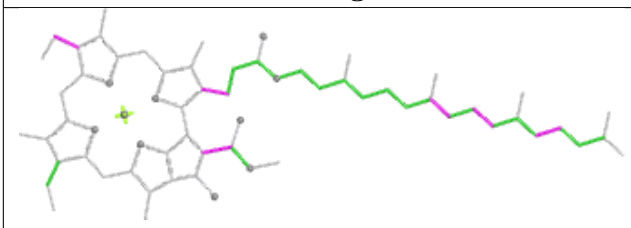
Ligand CLA dB 820



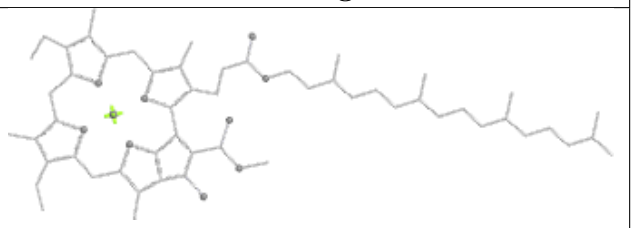
Bond lengths



Bond angles



Torsions

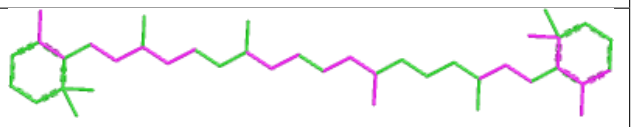


Rings

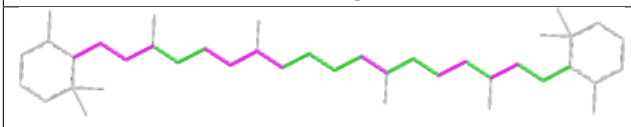
Ligand BCR dA 846



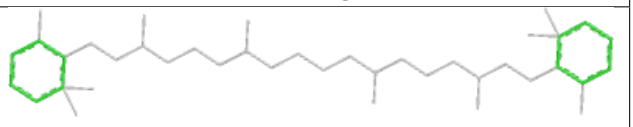
Bond lengths



Bond angles

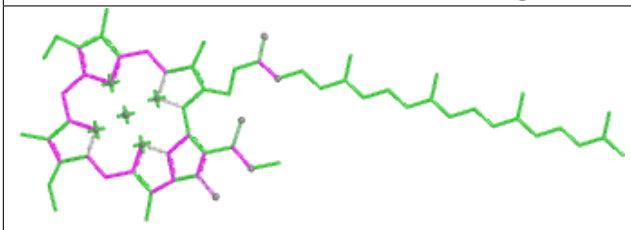


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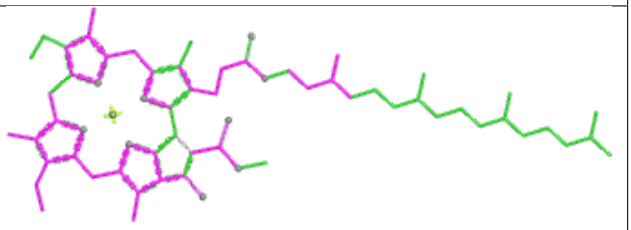


Rings

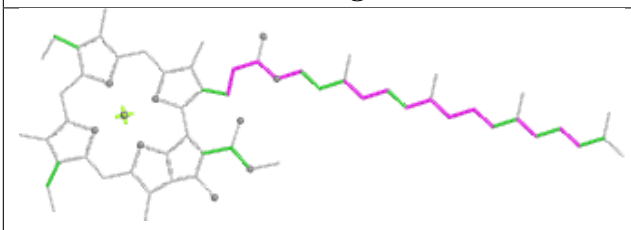
Ligand CLA dA 828



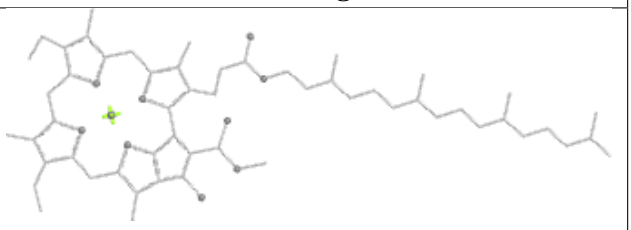
Bond lengths



Bond angles

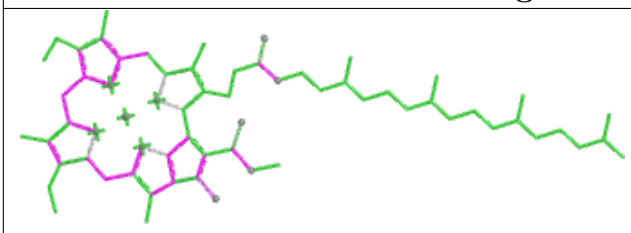


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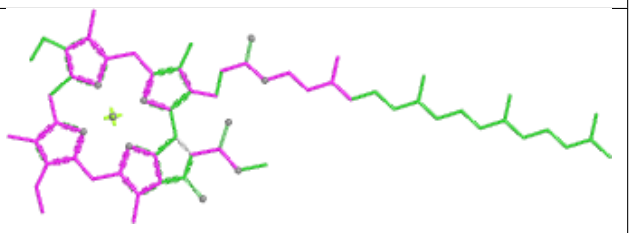


Rings

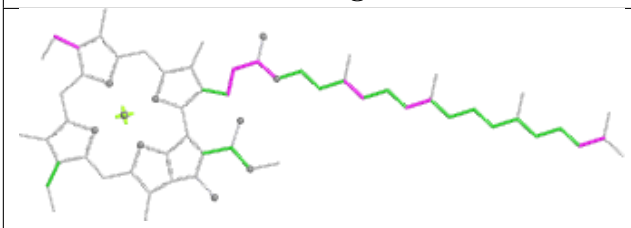
Ligand CLA cA 818



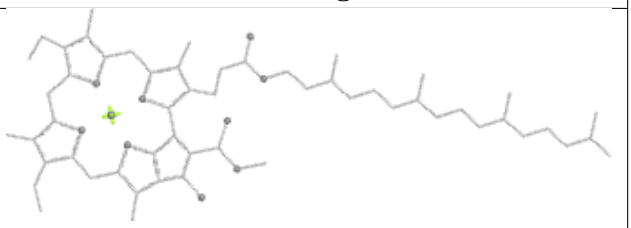
Bond lengths



Bond angles

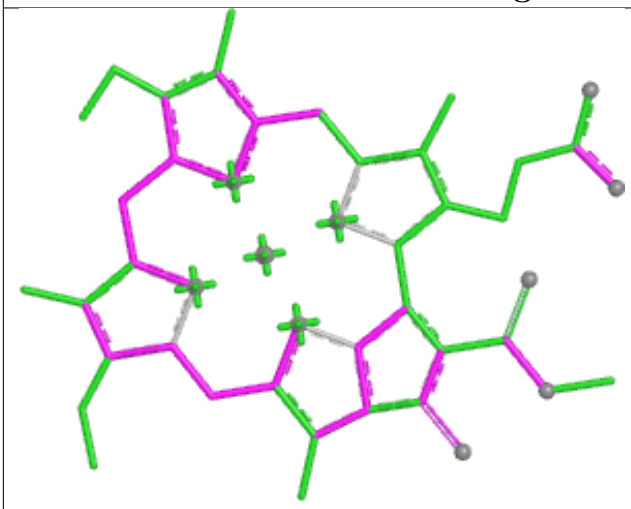


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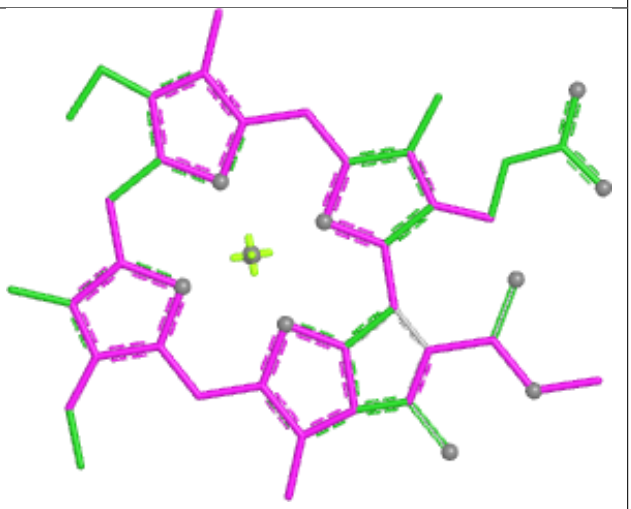


Rings

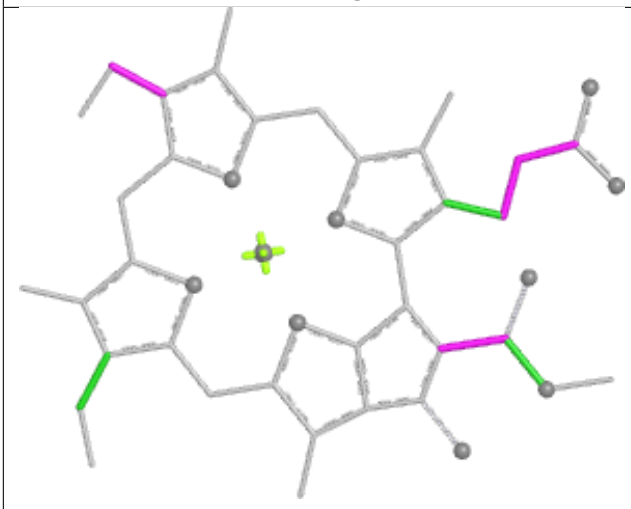
Ligand CLA dA 816



Bond lengths



Bond angles

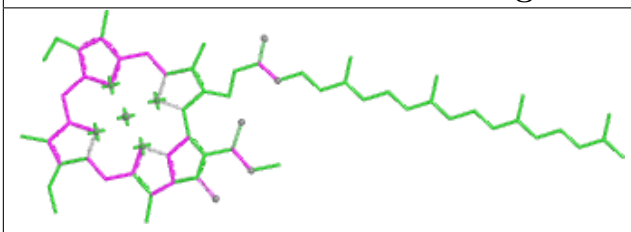


Torsions

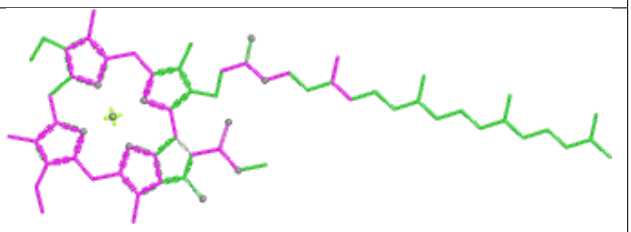


Rings

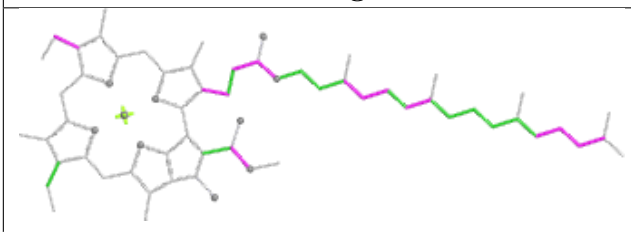
Ligand CLA cA 806



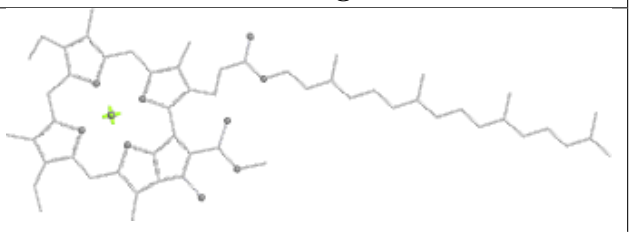
Bond lengths



Bond angles

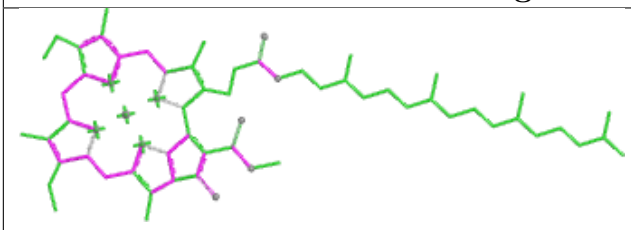


Torsions

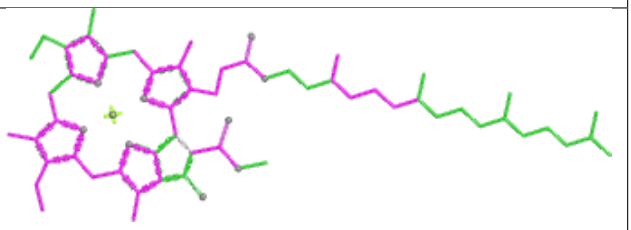


Rings

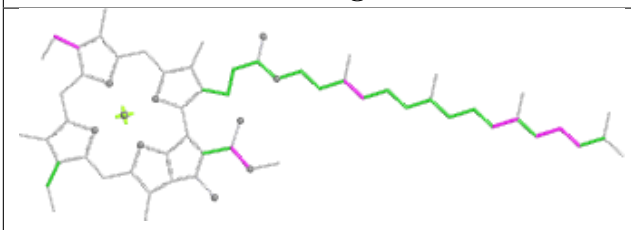
Ligand CLA dB 811



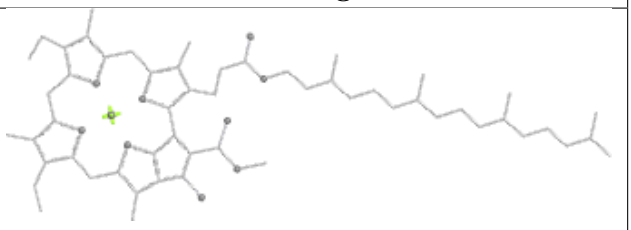
Bond lengths



Bond angles

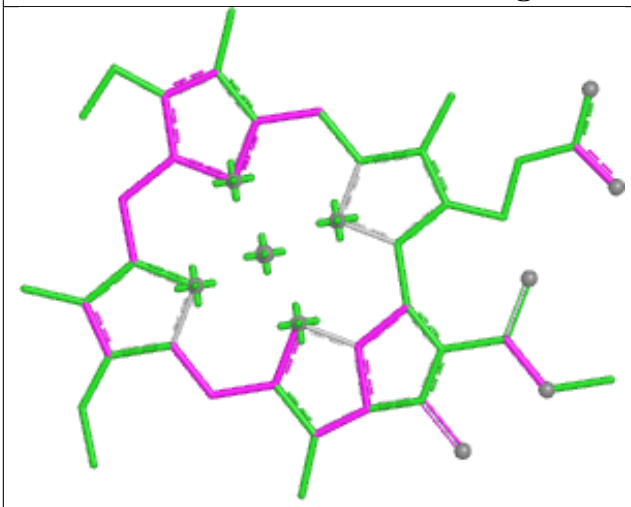


Torsions

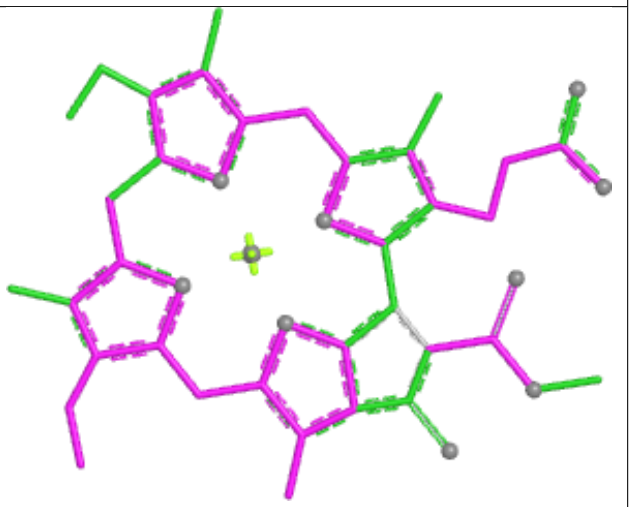


Rings

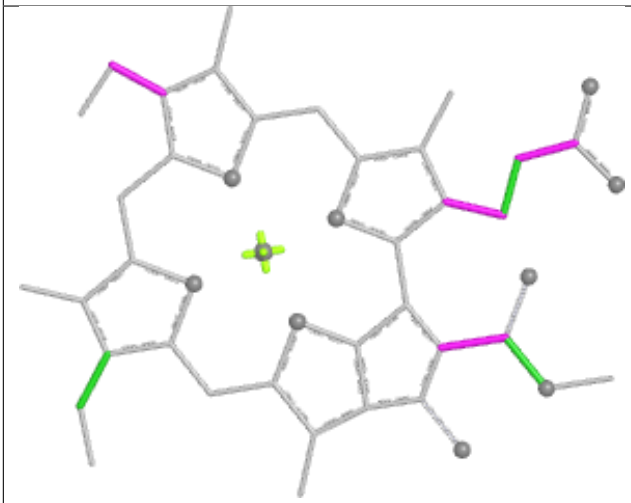
Ligand CLA aA 816



Bond lengths



Bond angles

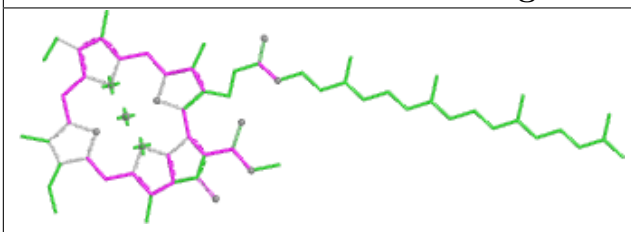


Torsions

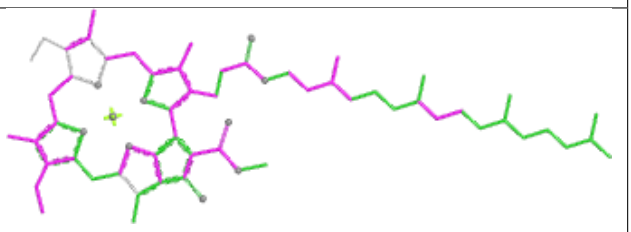


Rings

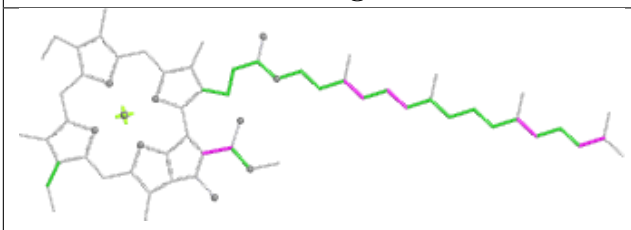
Ligand CL0 dA 801



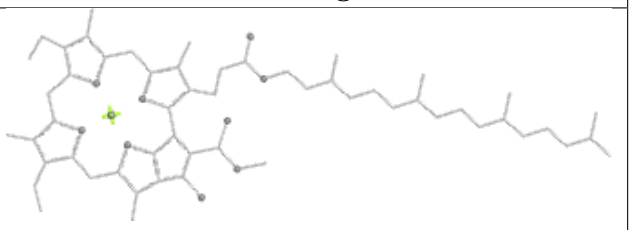
Bond lengths



Bond angles

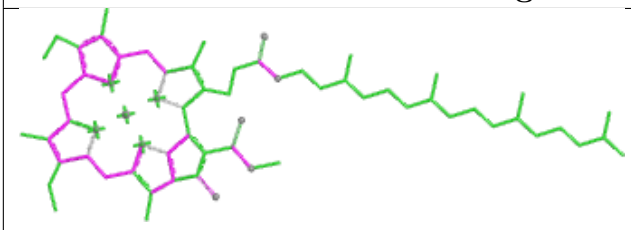


Torsions

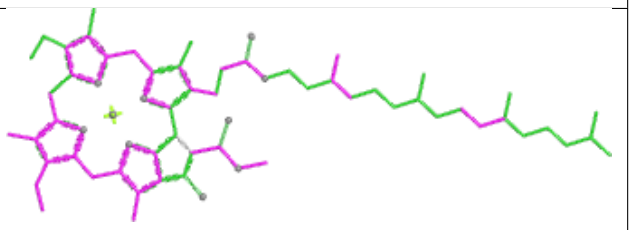


Rings

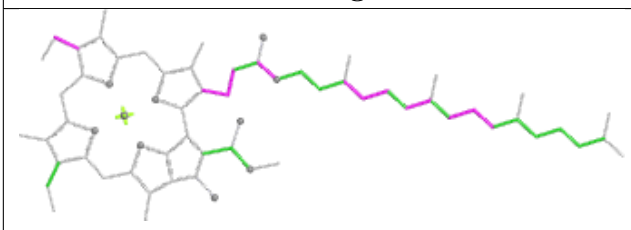
Ligand CLA cA 812



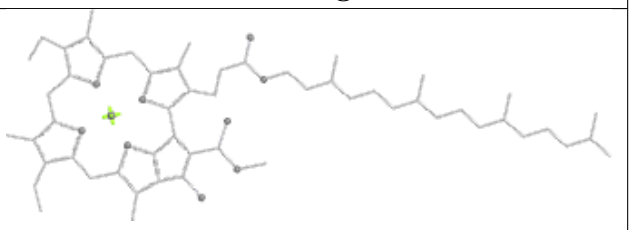
Bond lengths



Bond angles

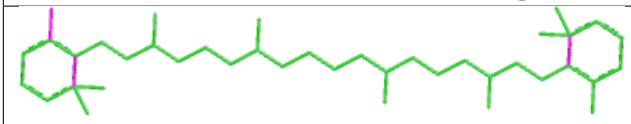


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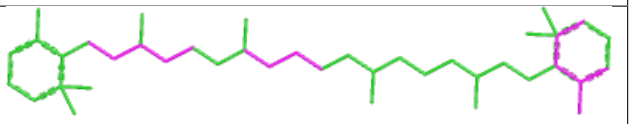


Rings

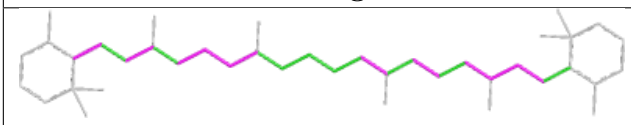
Ligand BCR cK 202



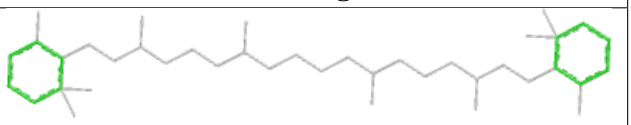
Bond lengths



Bond angles

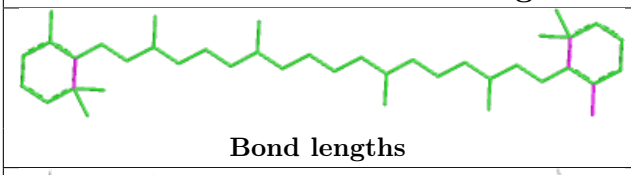


Torsions

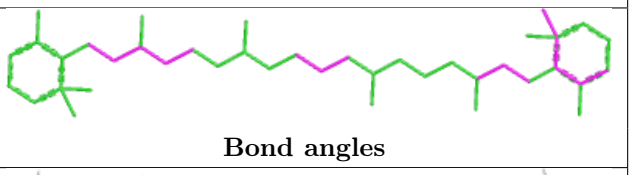


Rings

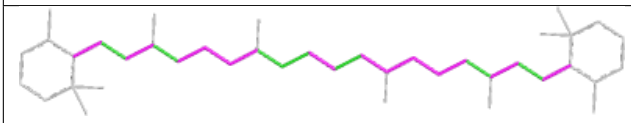
Ligand BCR aF 202



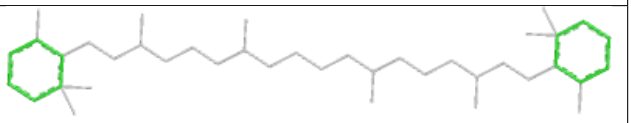
Bond lengths



Bond angles



Torsions

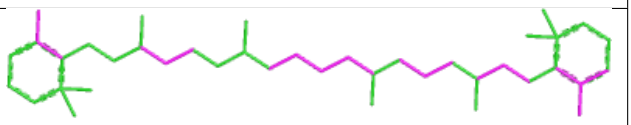


Rings

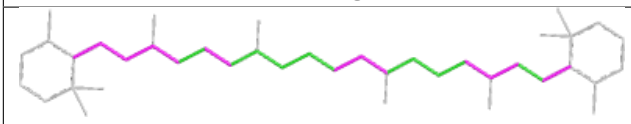
Ligand BCR cB 838



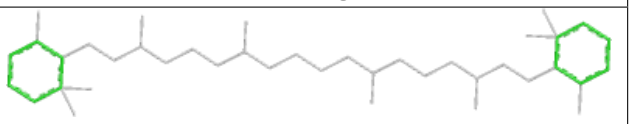
Bond lengths



Bond angles

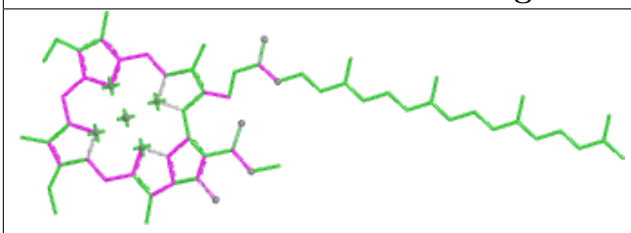


Torsions

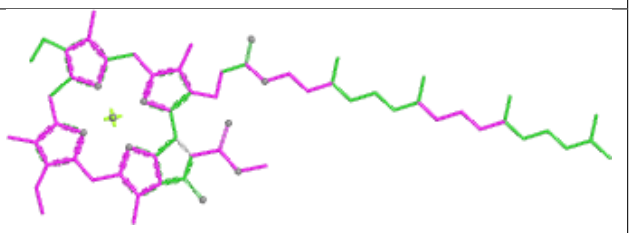


Rings

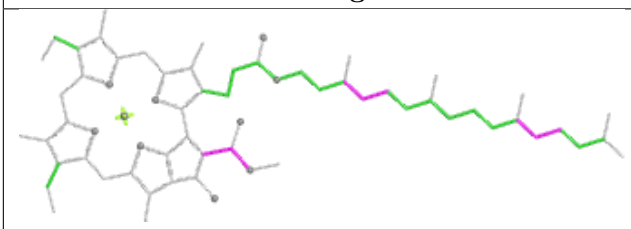
Ligand CLA bB 809



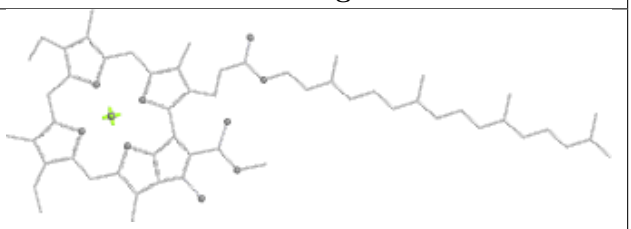
Bond lengths



Bond angles

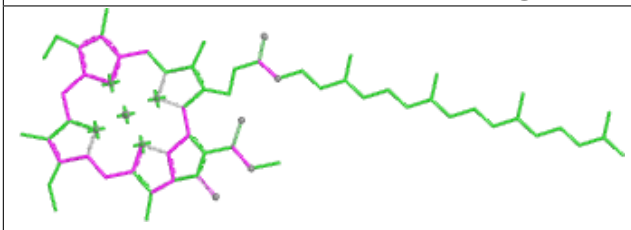


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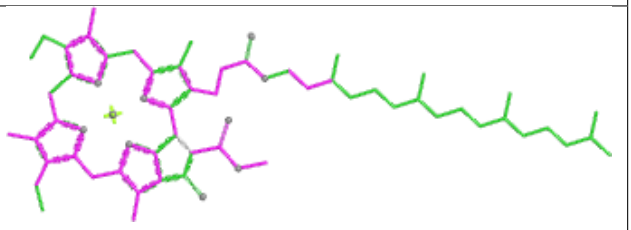


Rings

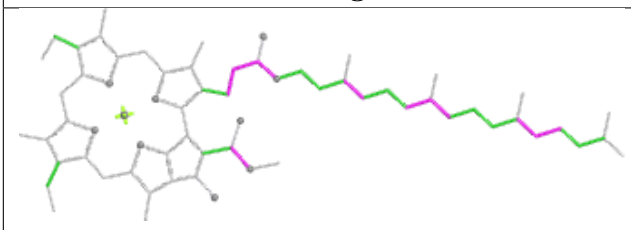
Ligand CLA aB 822



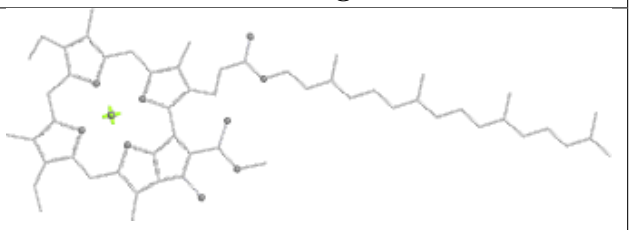
Bond lengths



Bond angles



Torsions

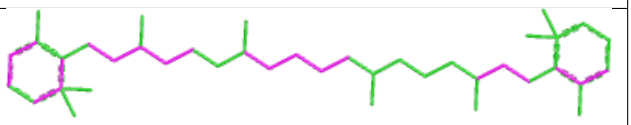


Rings

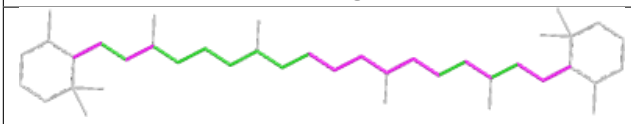
Ligand BCR cJ 104



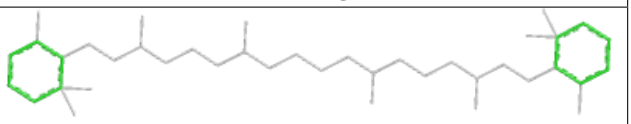
Bond lengths



Bond angles

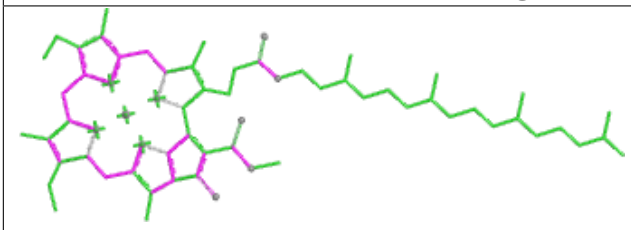


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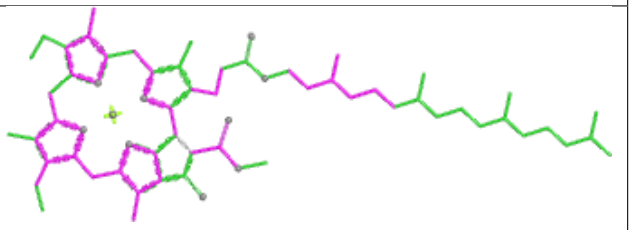


Rings

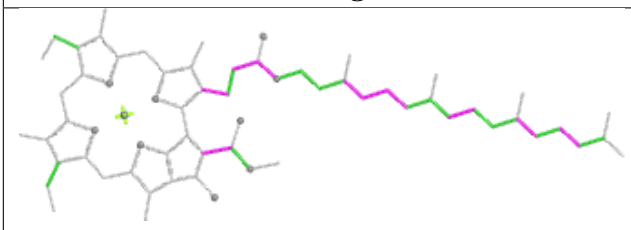
Ligand CLA bA 806



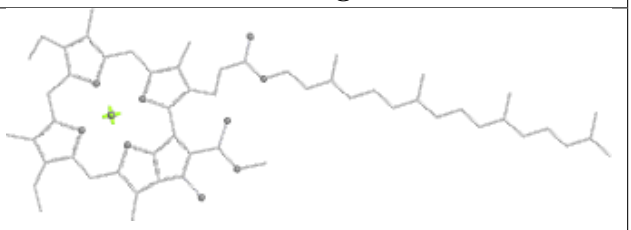
Bond lengths



Bond angles

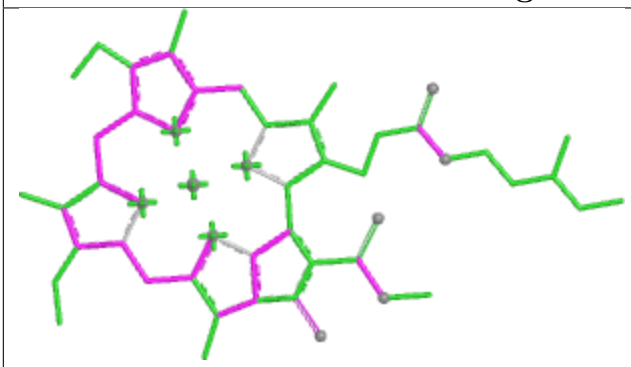


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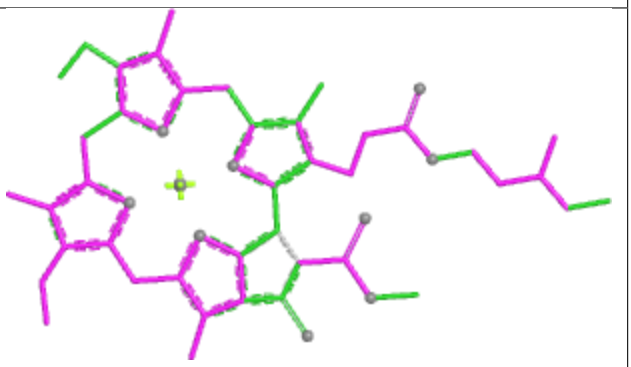


Rings

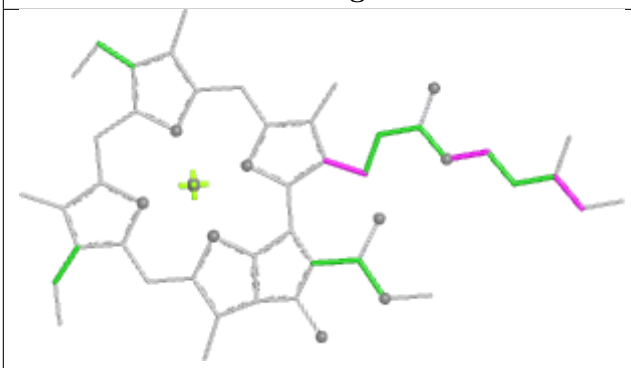
Ligand CLA bF 201



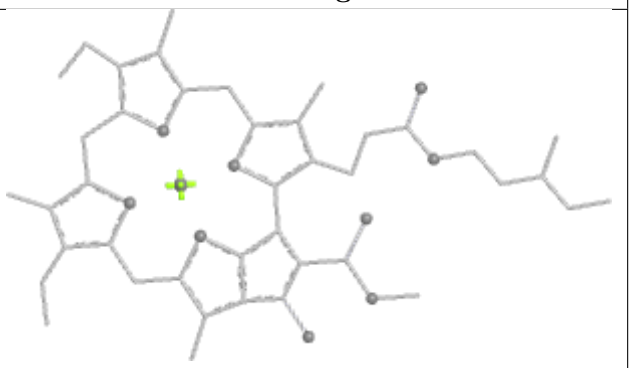
Bond lengths



Bond angles

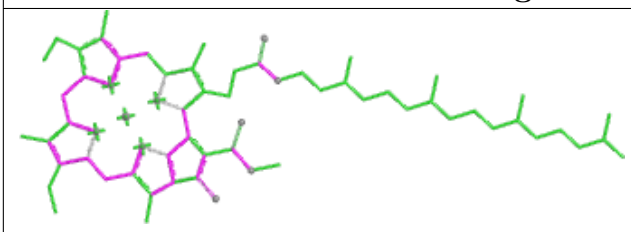


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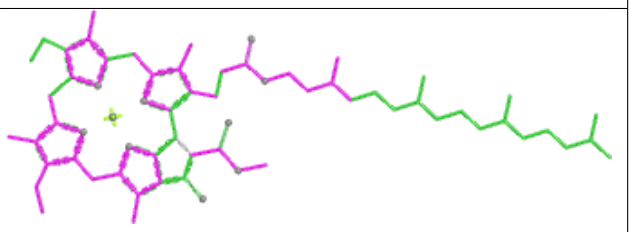


Rings

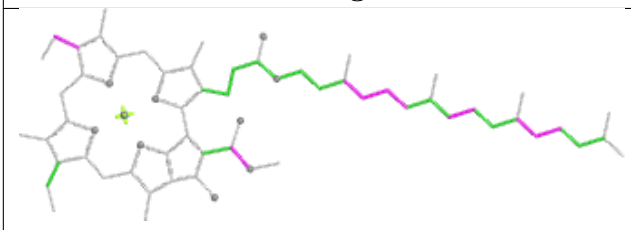
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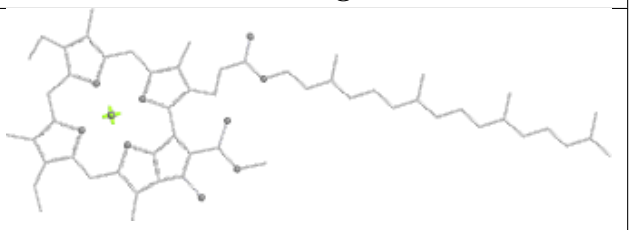
Bond lengths



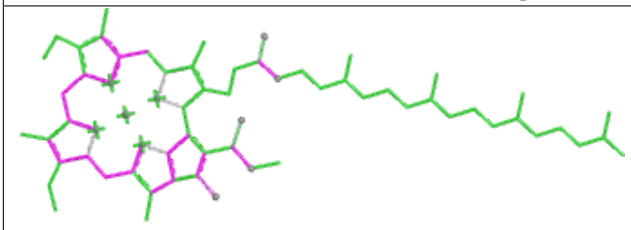
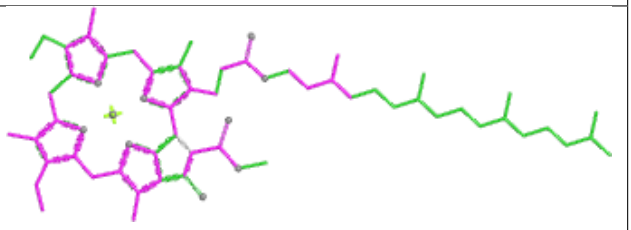
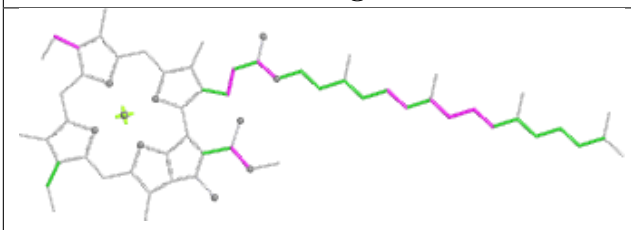
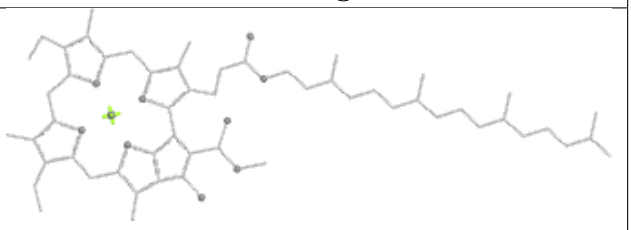
Bond angles

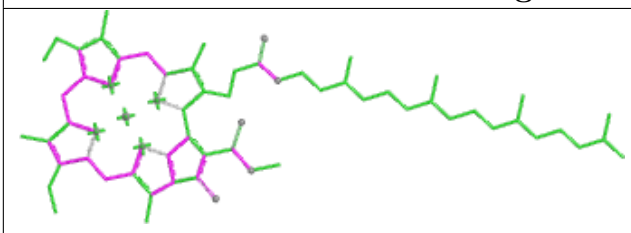
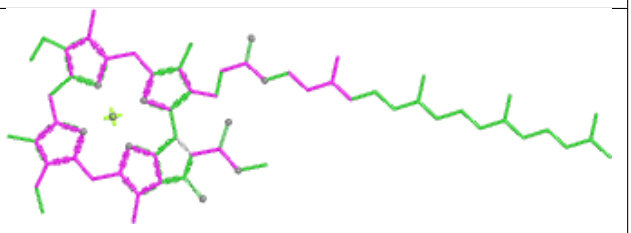
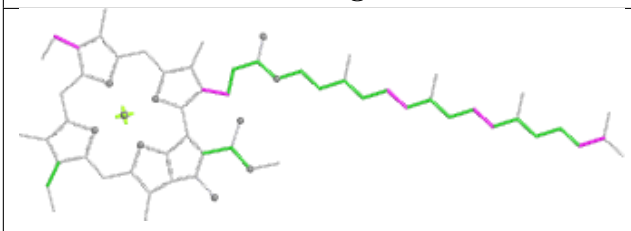
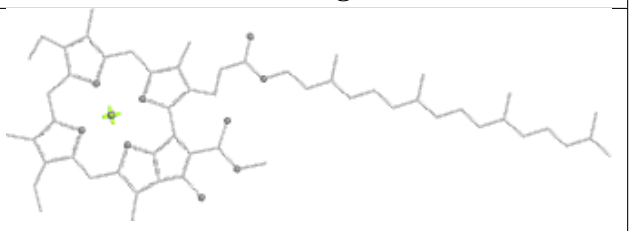


Torsions

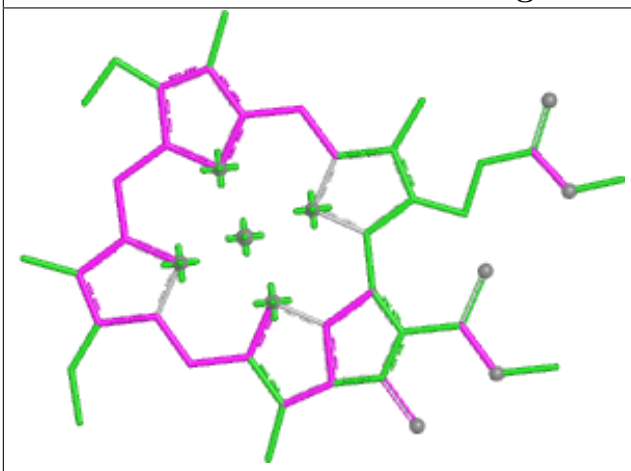


Rings

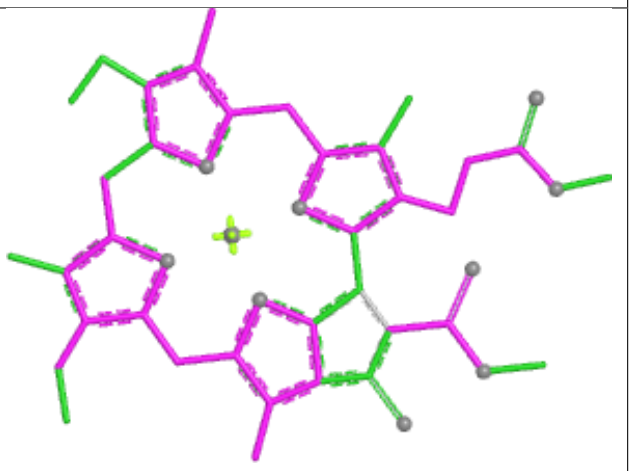
Ligand CLA dB 831	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA aA 822	
	
Bond lengths	Bond angles
	
Torsions	Rings

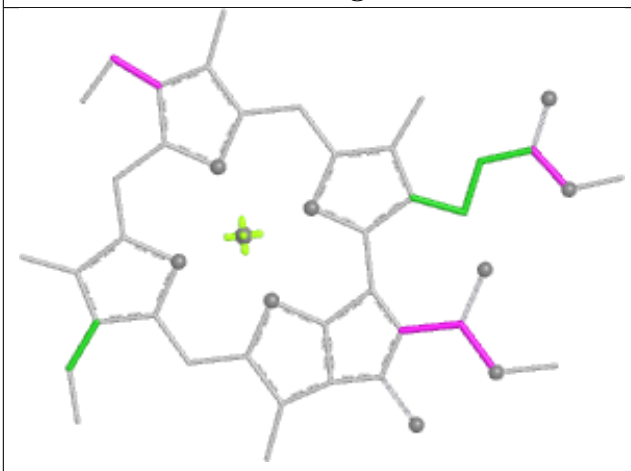
Ligand CLA cB 820



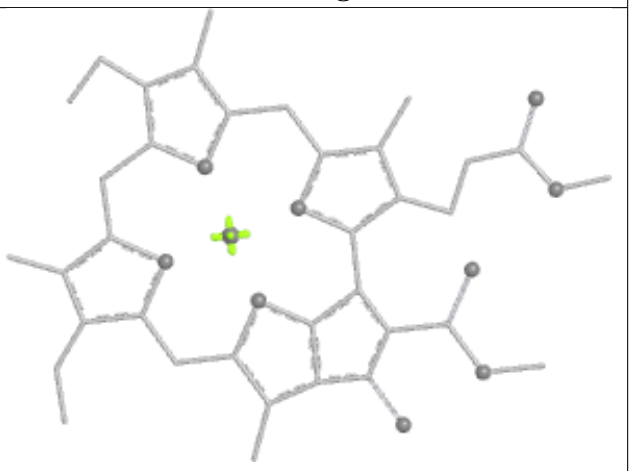
Bond lengths



Bond angles



Torsions



Rings

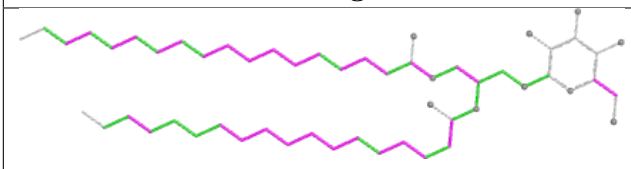
Ligand LMG aB 839



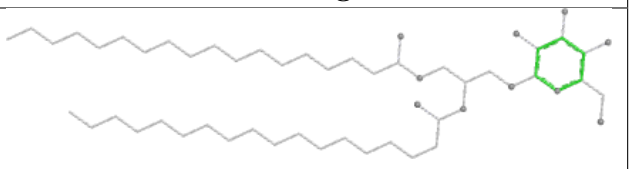
Bond lengths



Bond angles

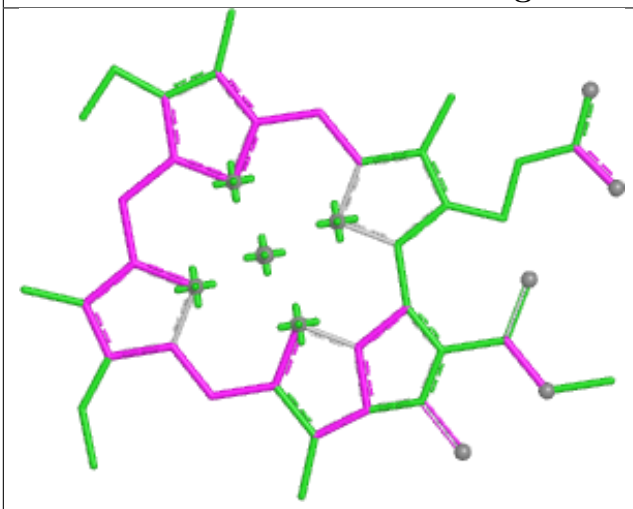


Torsions

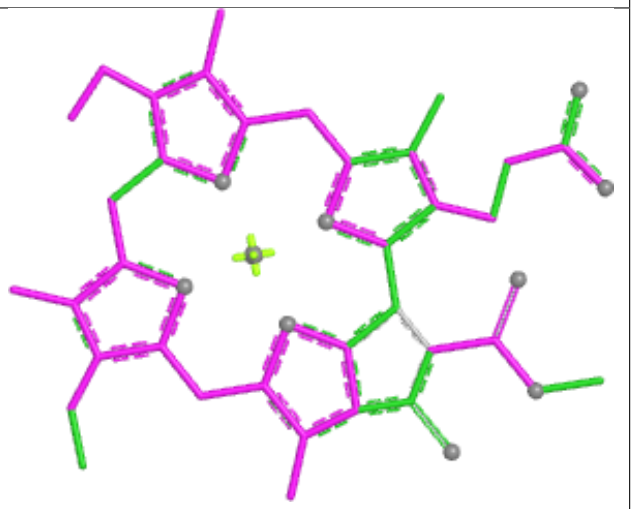


Rings

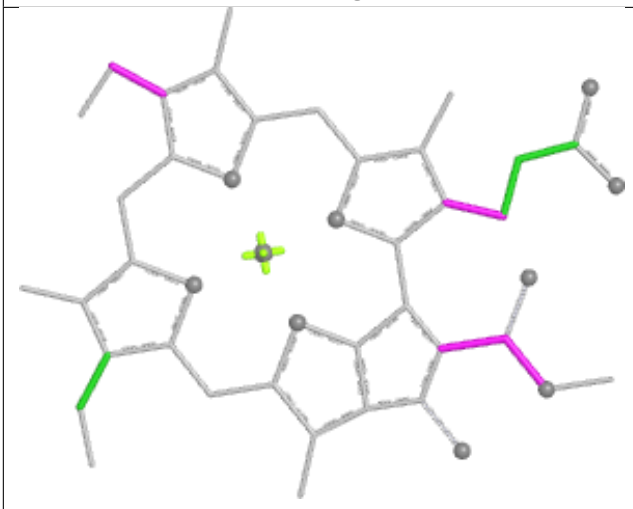
Ligand CLA bB 815



Bond lengths



Bond angles

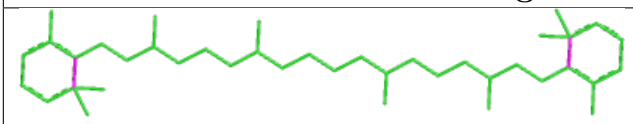


Torsions

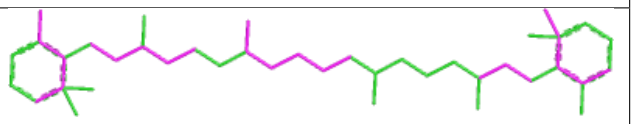


Rings

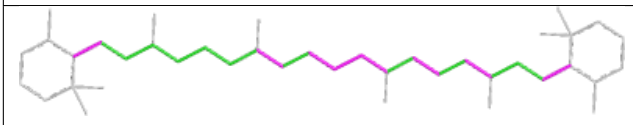
Ligand BCR cF 203



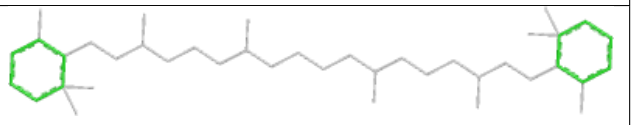
Bond lengths



Bond angles

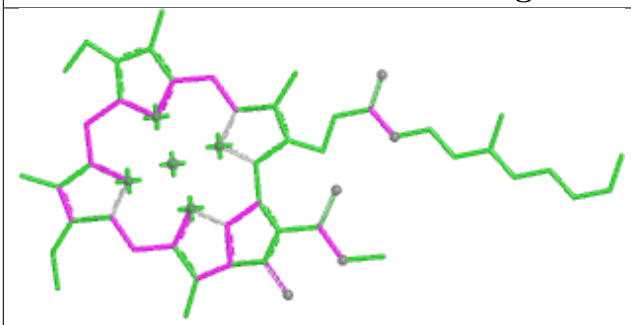


Torsions

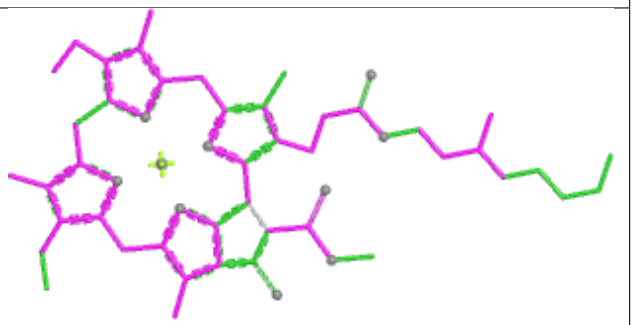


Rings

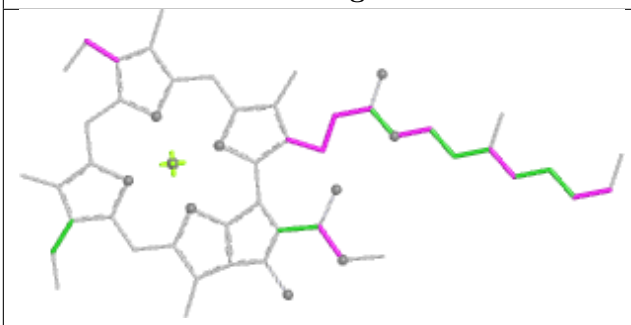
Ligand CLA aA 819



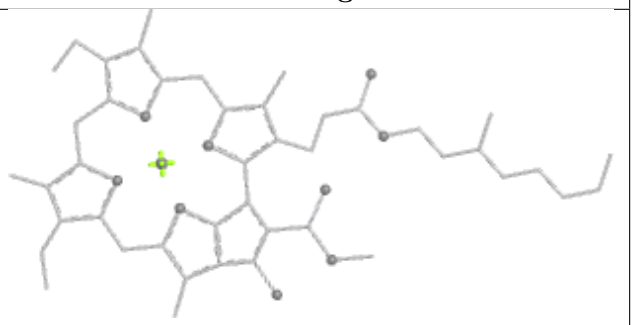
Bond lengths



Bond angles



Torsions

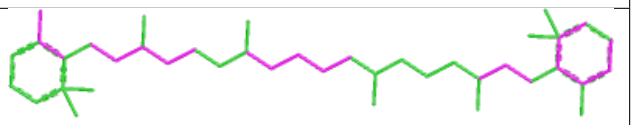


Rings

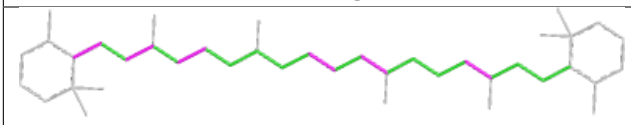
Ligand BCR aI 101



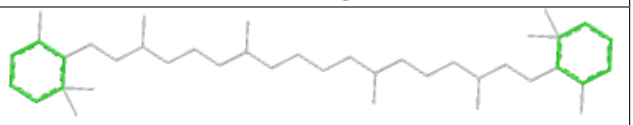
Bond lengths



Bond angles

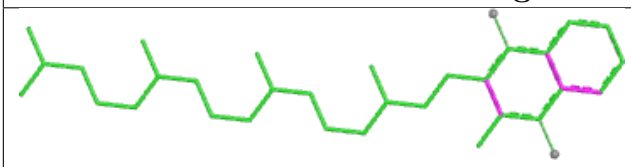


Torsions

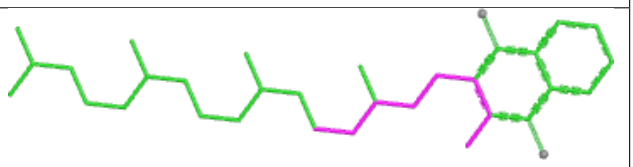


Rings

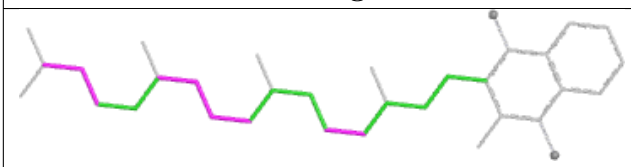
Ligand PQN aB 835



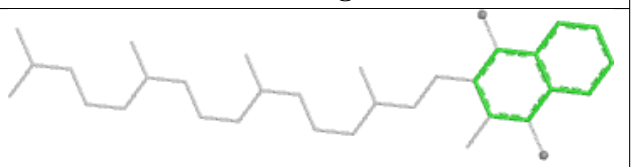
Bond lengths



Bond angles

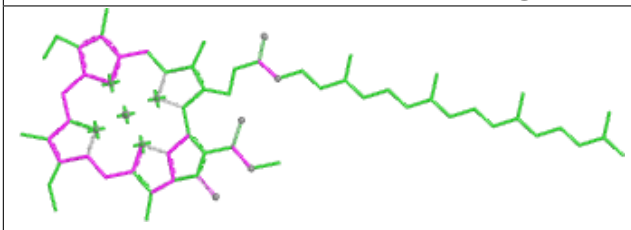


Torsions

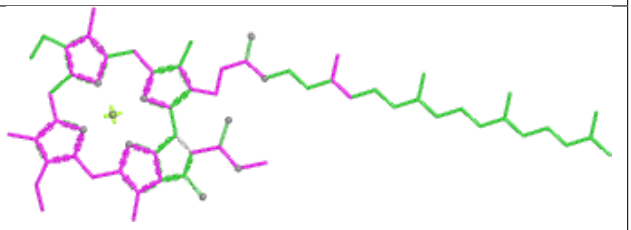


Rings

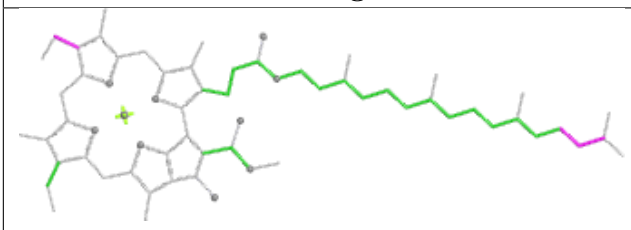
Ligand CLA aB 809



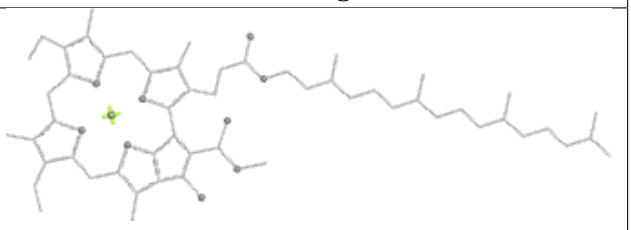
Bond lengths



Bond angles

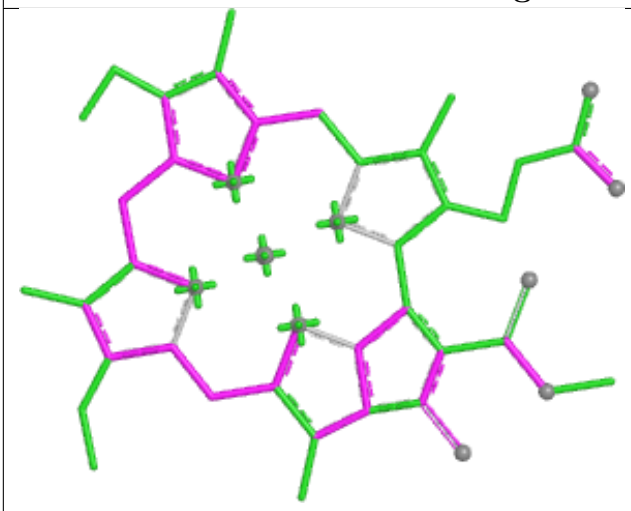


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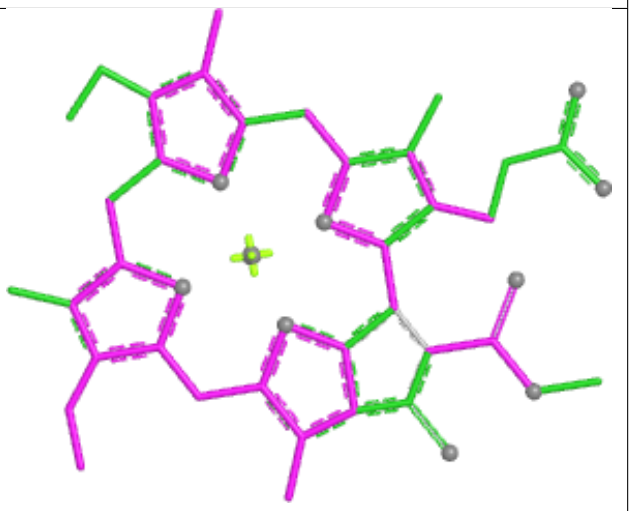


Rings

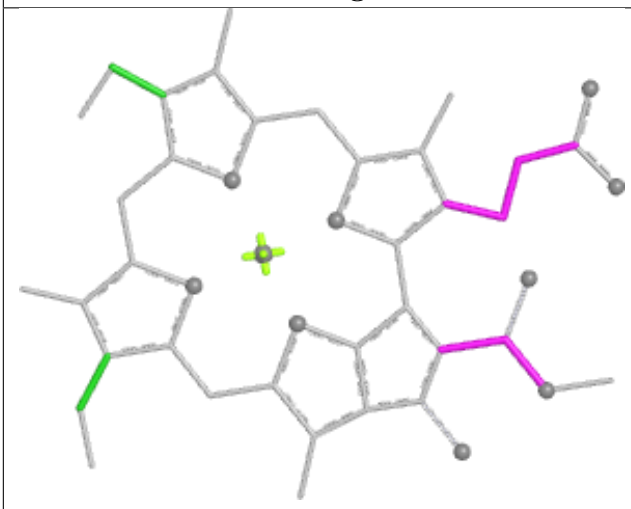
Ligand CLA dA 804



Bond lengths



Bond angles

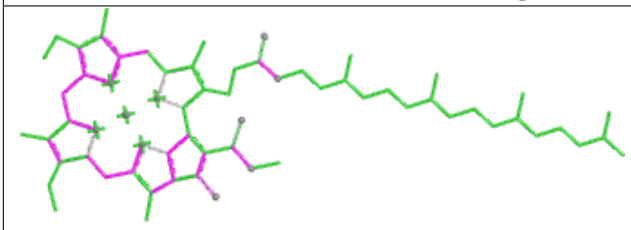


Torsions

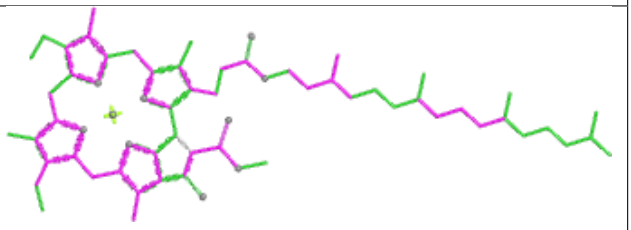


Rings

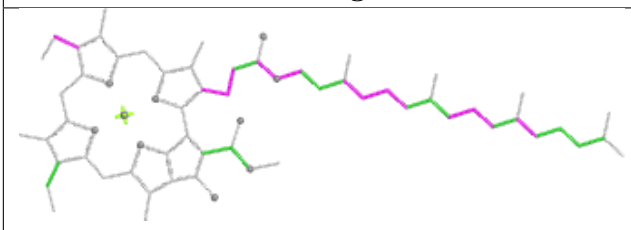
Ligand CLA bA 807



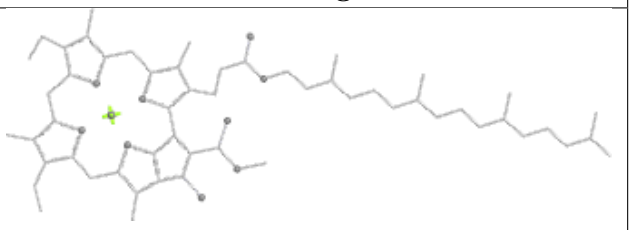
Bond lengths



Bond angles



Torsions

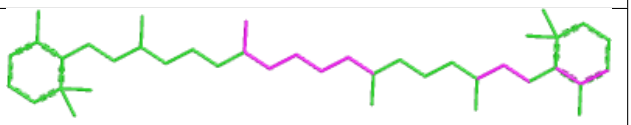


Rings

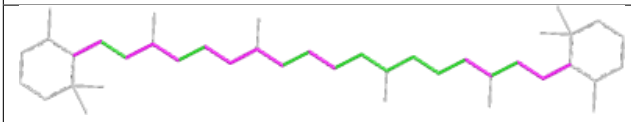
Ligand BCR dL 201



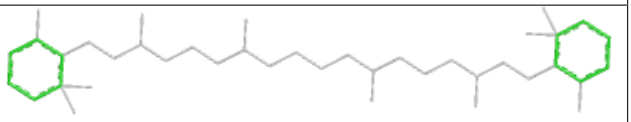
Bond lengths



Bond angles

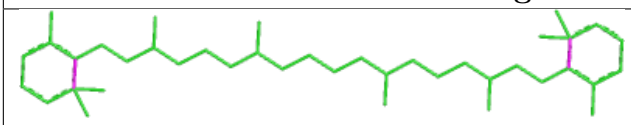


Torsions

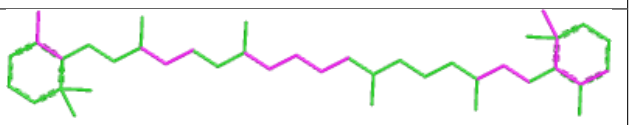


Rings

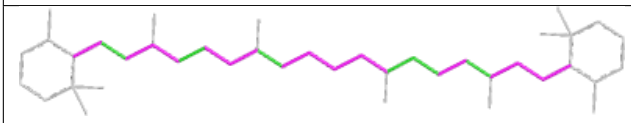
Ligand BCR dF 202



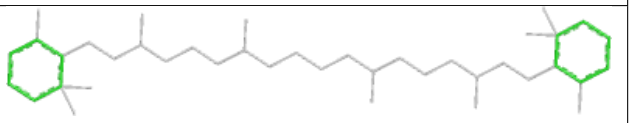
Bond lengths



Bond angles

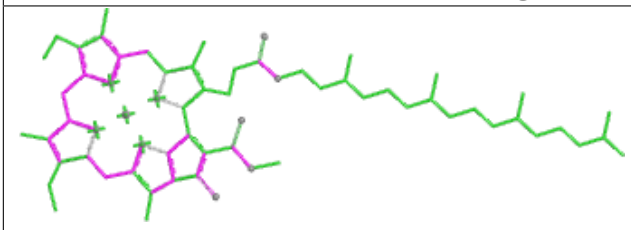


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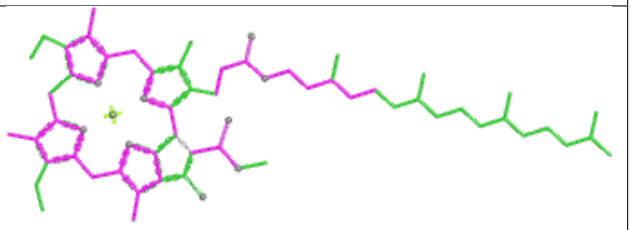


Rings

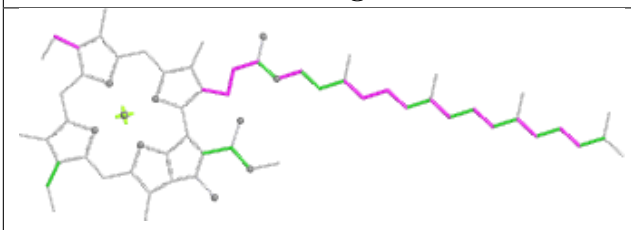
Ligand CLA bB 829



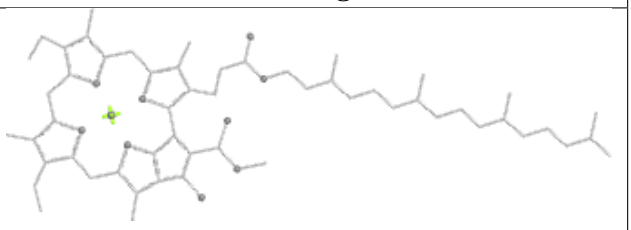
Bond lengths



Bond angles



Torsions

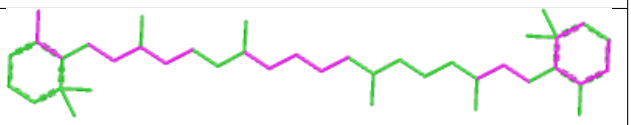


Rings

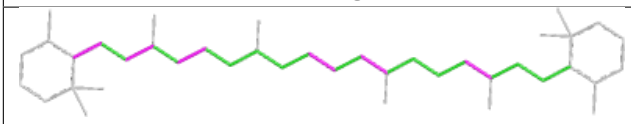
Ligand BCR cI 101



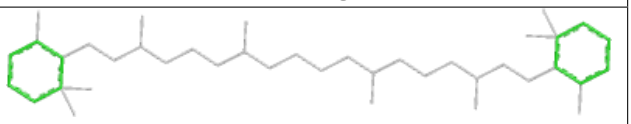
Bond lengths



Bond angles

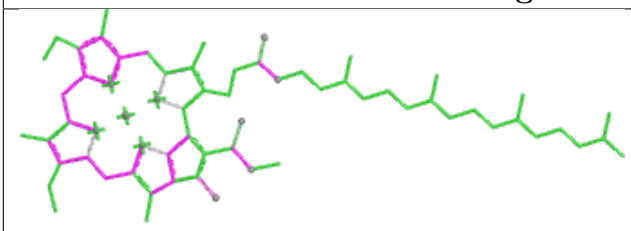


Torsions

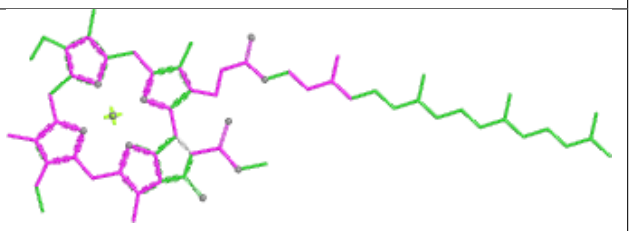


Rings

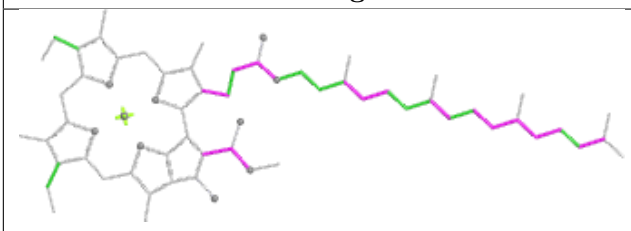
Ligand CLA aB 807



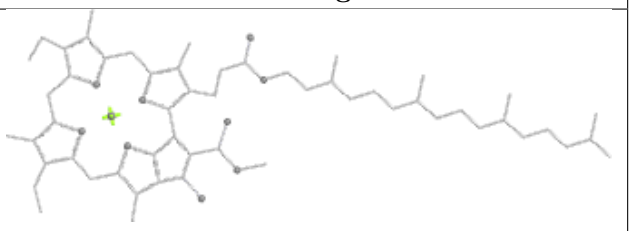
Bond lengths



Bond angles

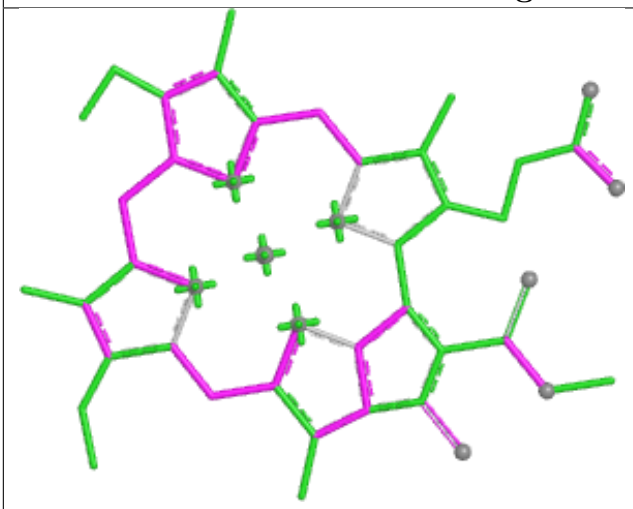


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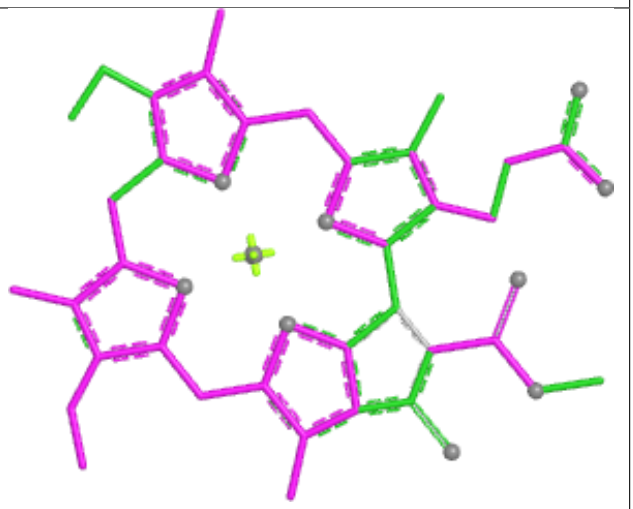


Rings

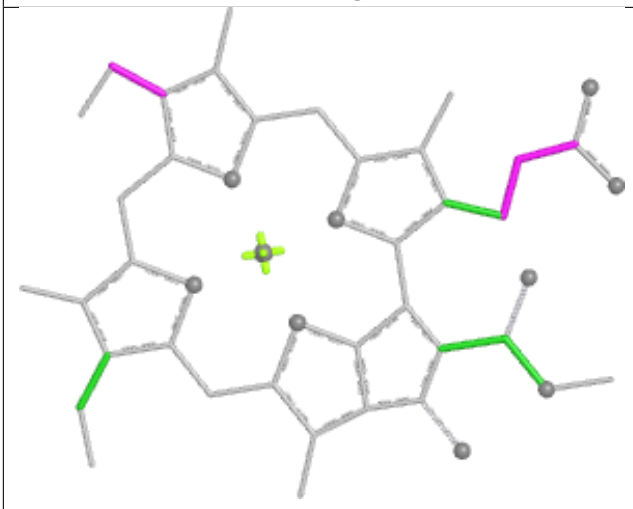
Ligand CLA cA 803



Bond lengths



Bond angles

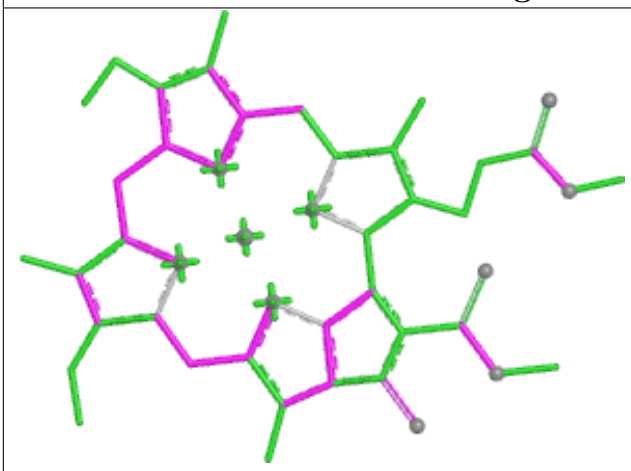


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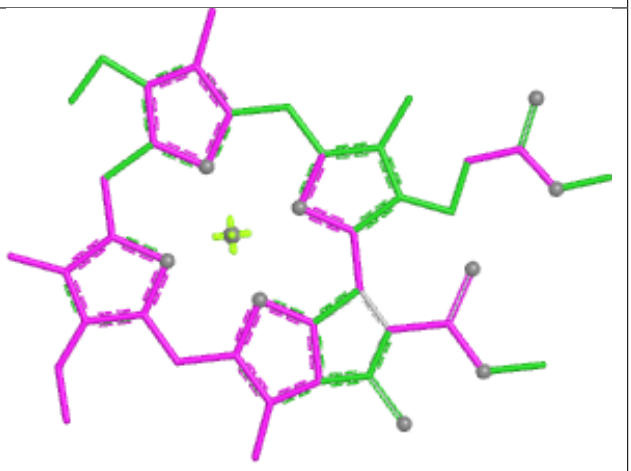


Rings

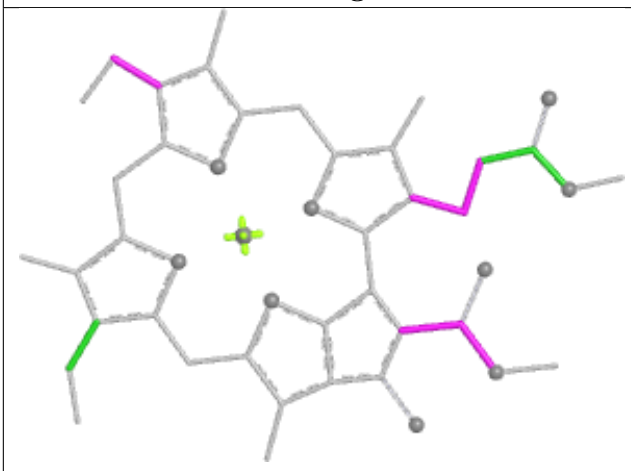
Ligand CLA bA 823



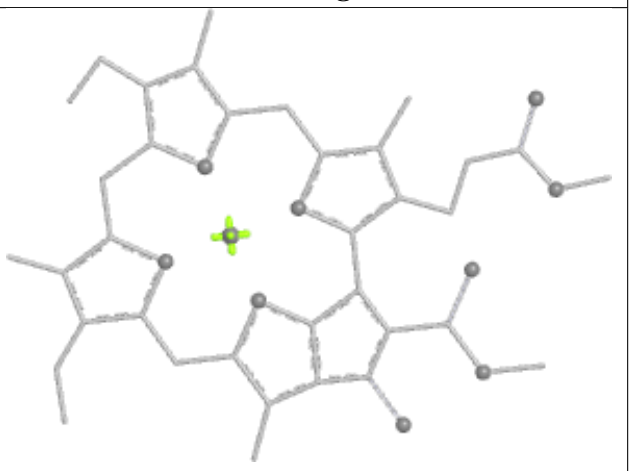
Bond lengths



Bond angles

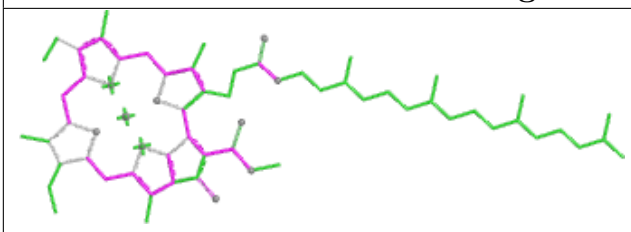


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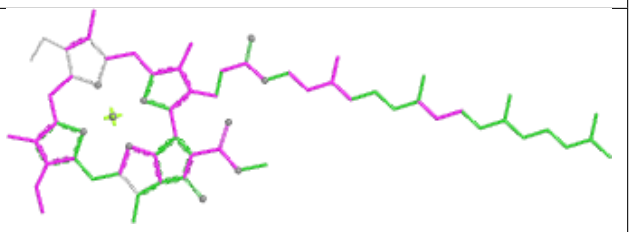


Rings

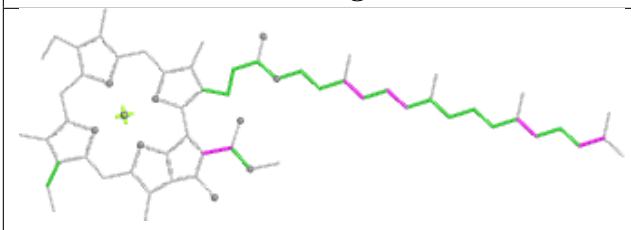
Ligand CL0 bA 801



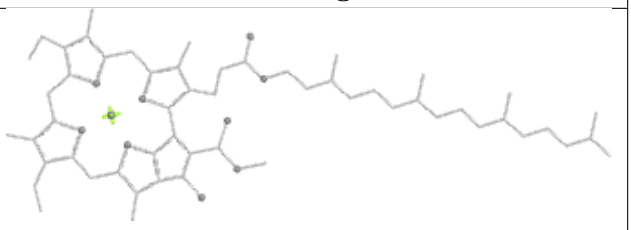
Bond lengths



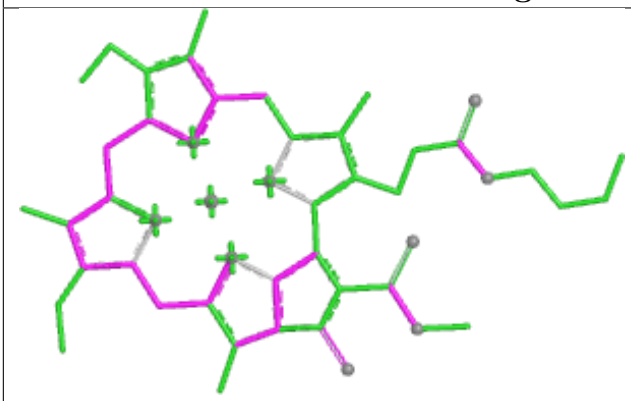
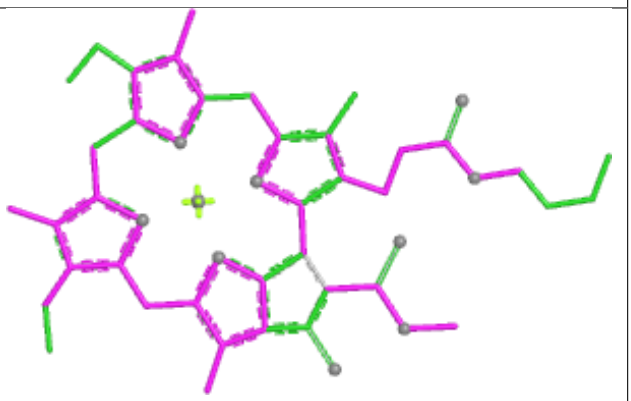
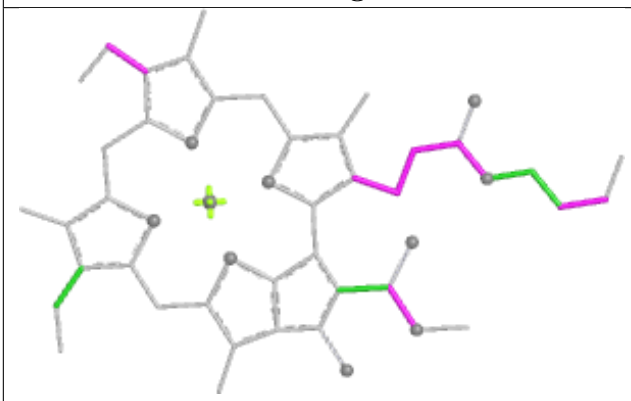
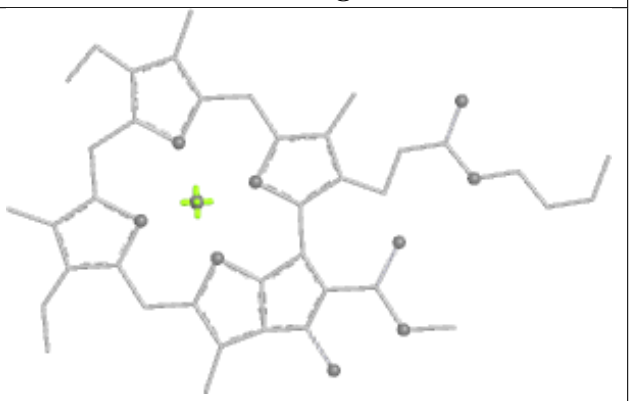
Bond angles



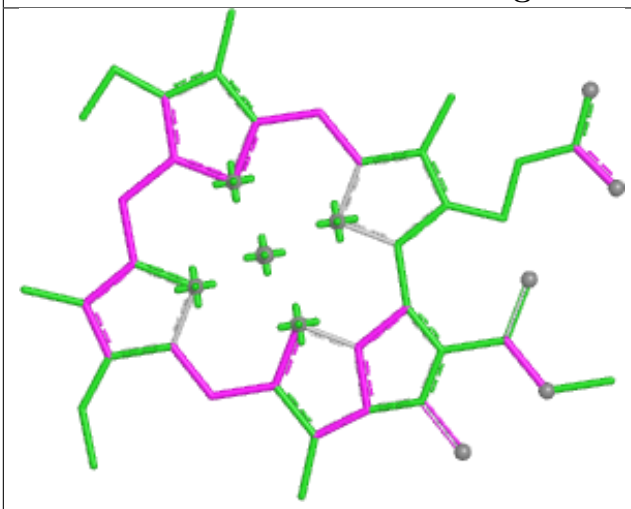
Torsions



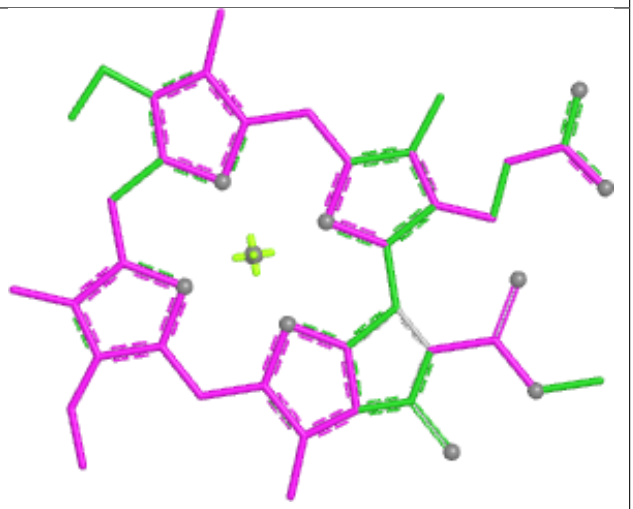
Rings

Ligand CLA bB 824	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

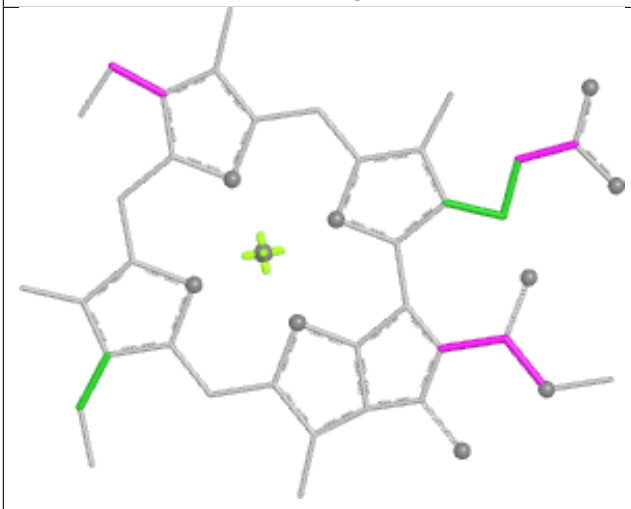
Ligand CLA dA 805



Bond lengths



Bond angles

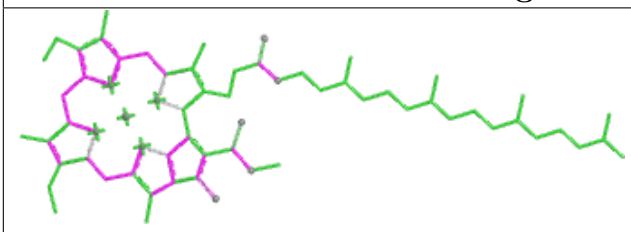


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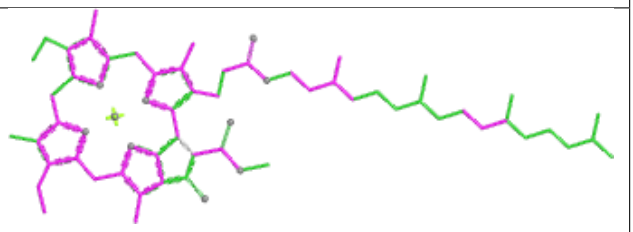


Rings

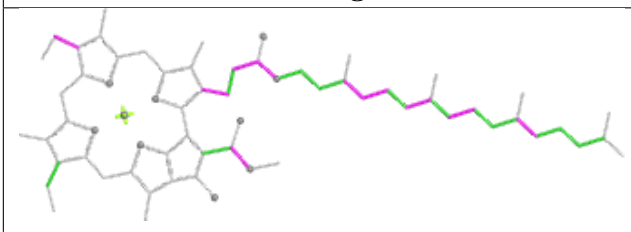
Ligand CLA cA 807



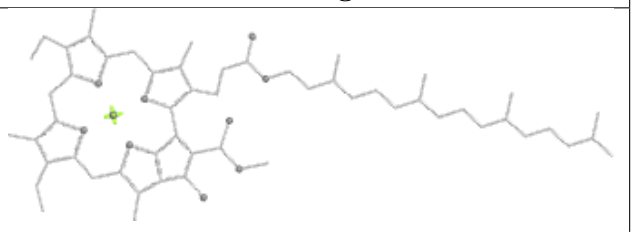
Bond lengths



Bond angles

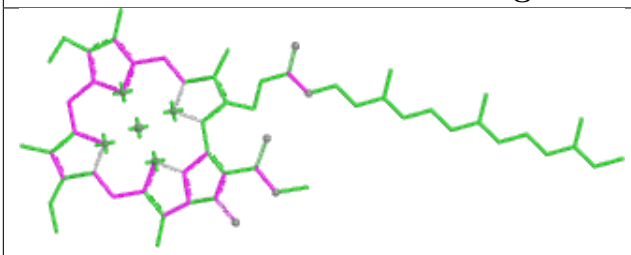


Torsions

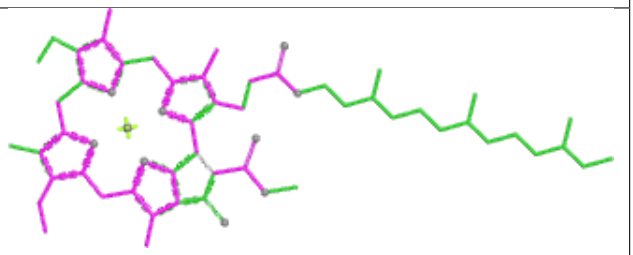


Rings

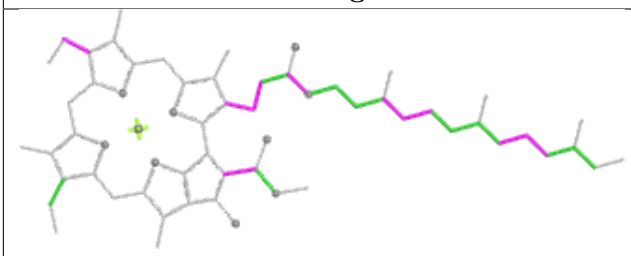
Ligand CLA dA 821



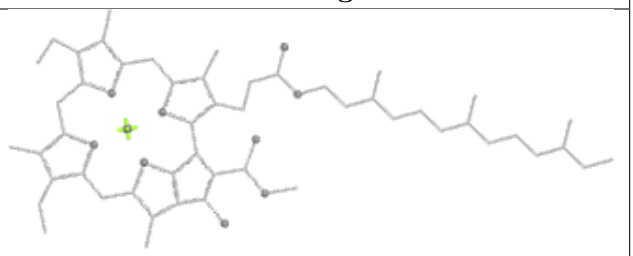
Bond lengths



Bond angles

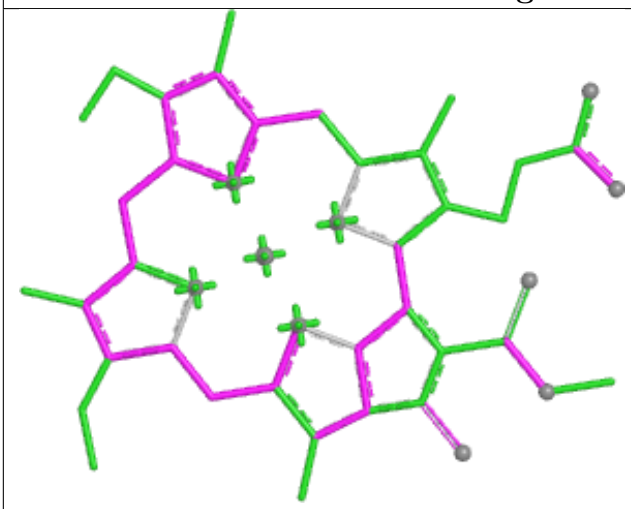


Torsions

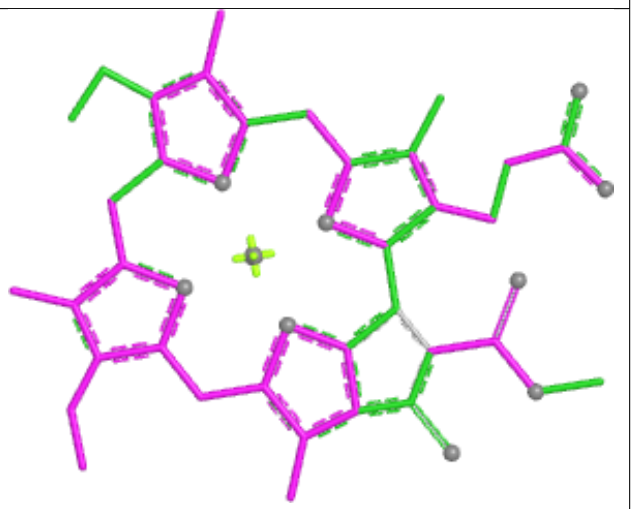


Rings

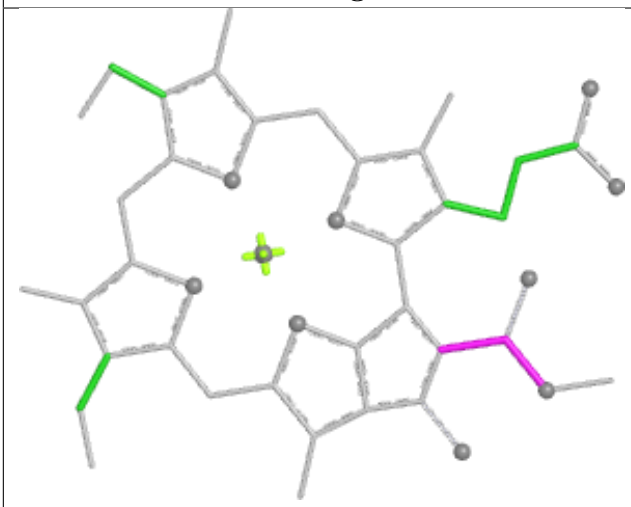
Ligand CLA cB 828



Bond lengths



Bond angles

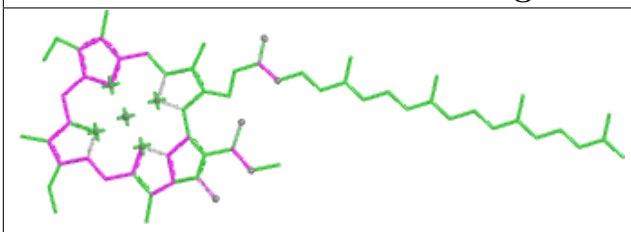


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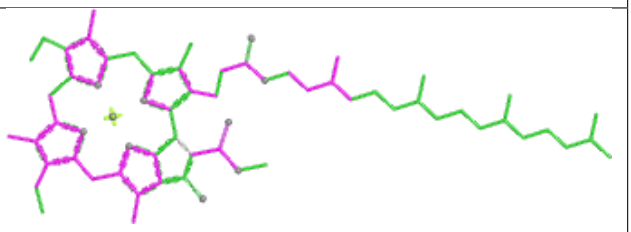


Rings

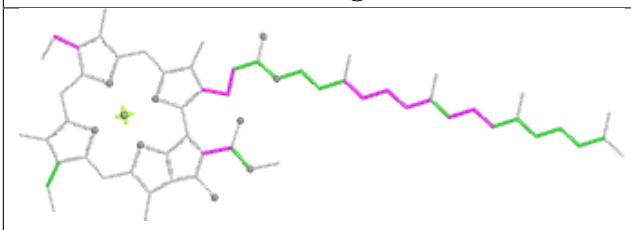
Ligand CLA bB 813



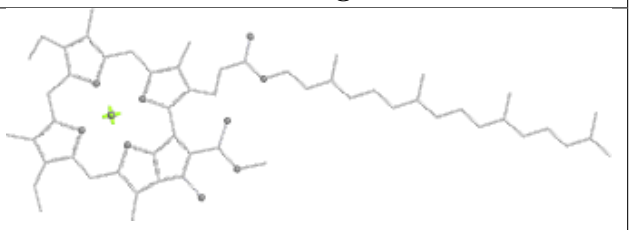
Bond lengths



Bond angles



Torsions

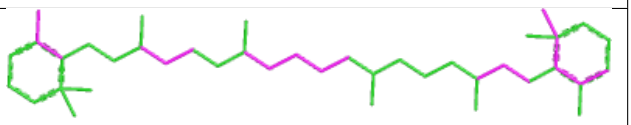


Rings

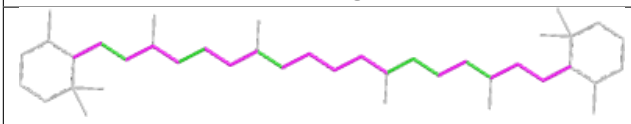
Ligand BCR bF 202



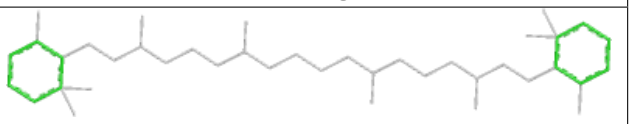
Bond lengths



Bond angles

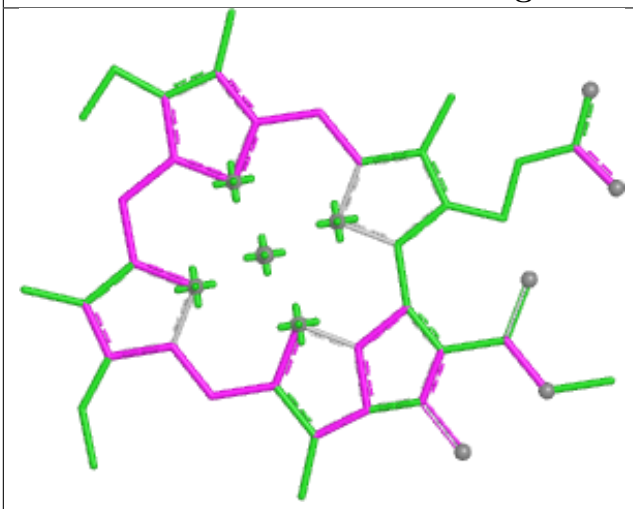


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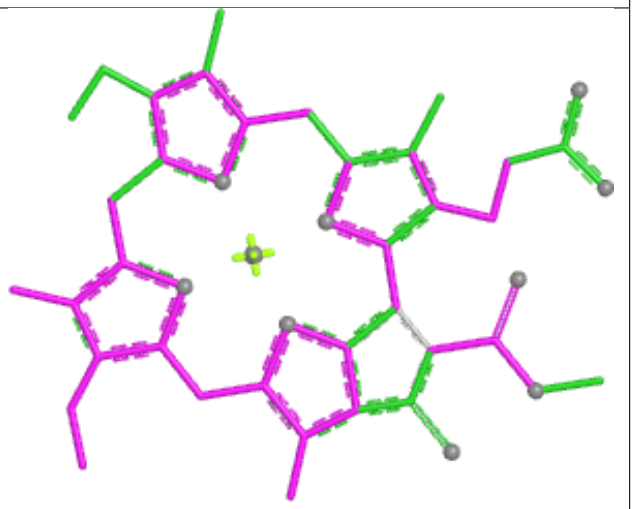


Rings

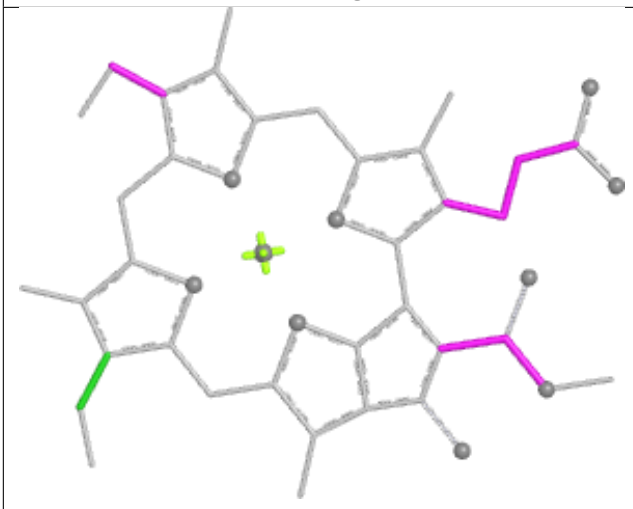
Ligand CLA aA 837



Bond lengths



Bond angles

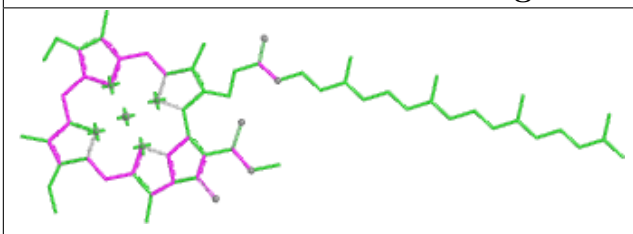


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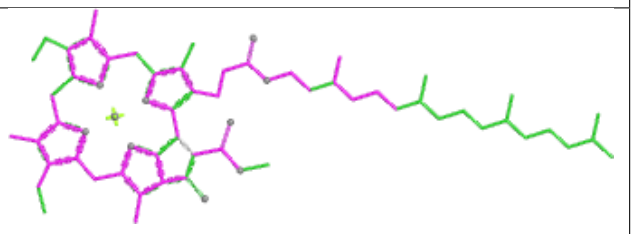


Rings

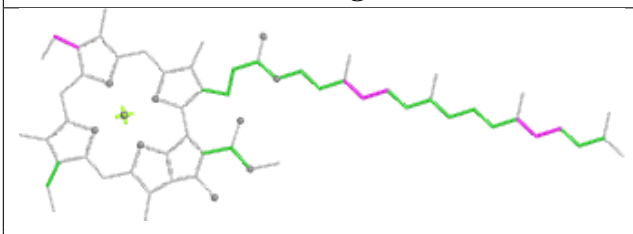
Ligand CLA dB 803



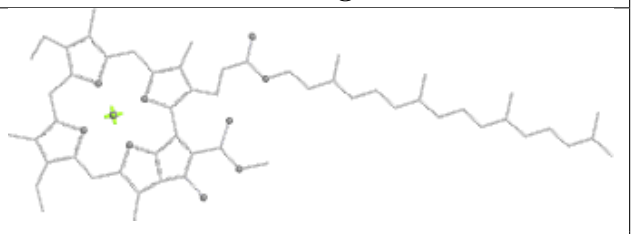
Bond lengths



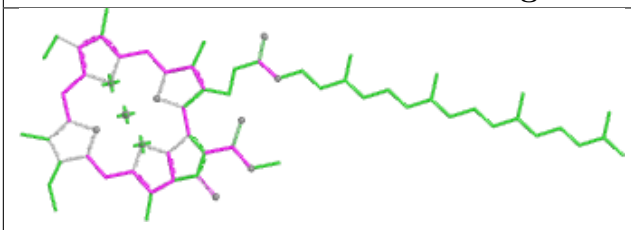
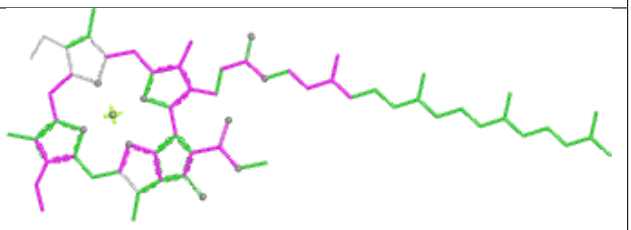
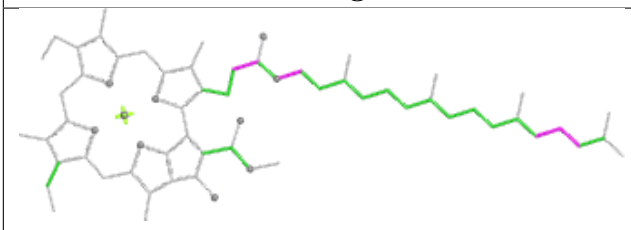
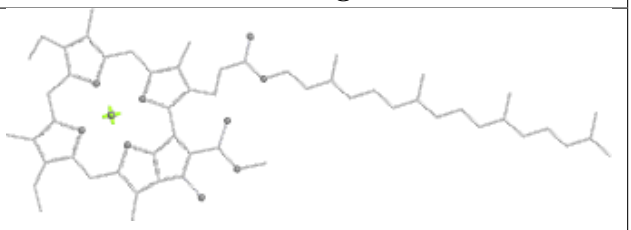
Bond angles

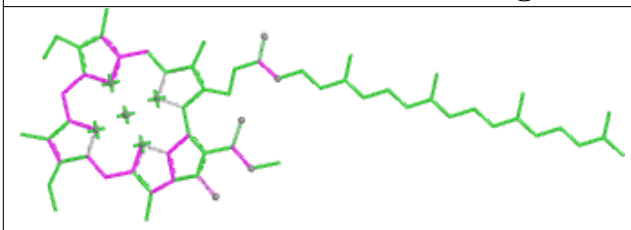
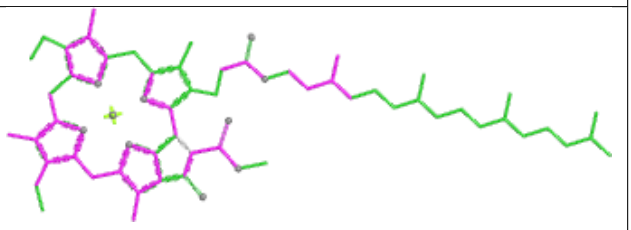
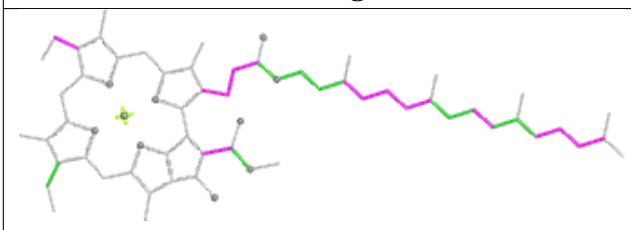
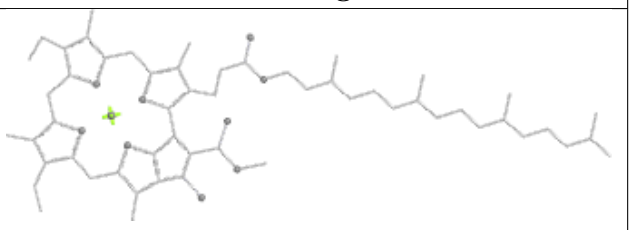


Torsions

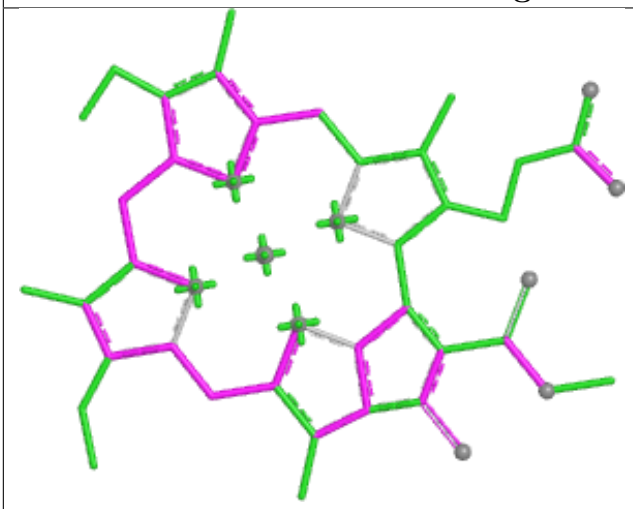


Rings

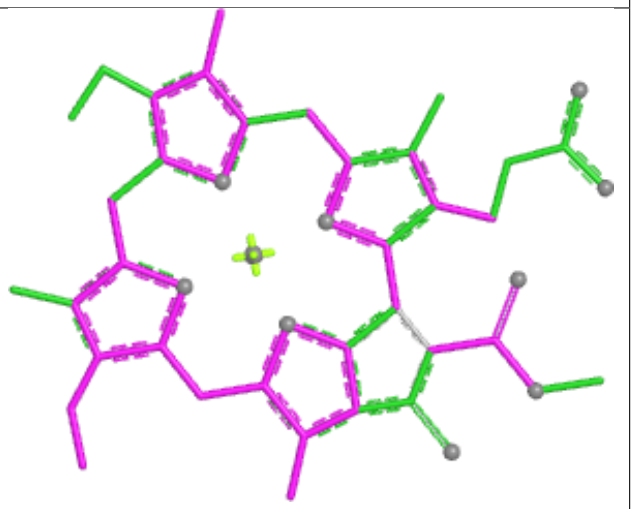
Ligand CL0 cA 801	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA cA 826	
	
Bond lengths	Bond angles
	
Torsions	Rings

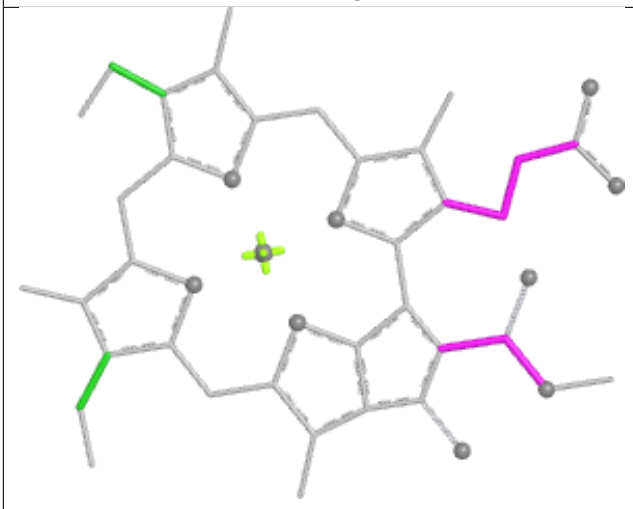
Ligand CLA bA 804



Bond lengths



Bond angles

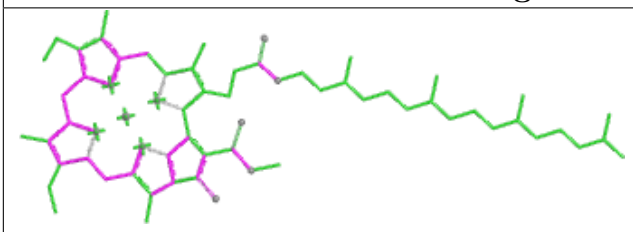


Torsions

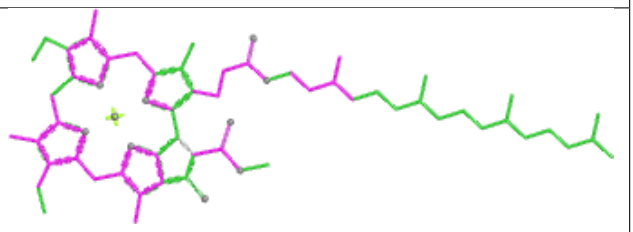


Rings

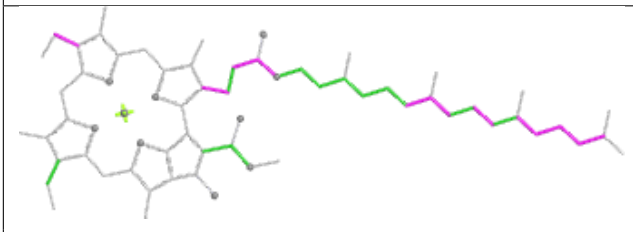
Ligand CLA bA 842



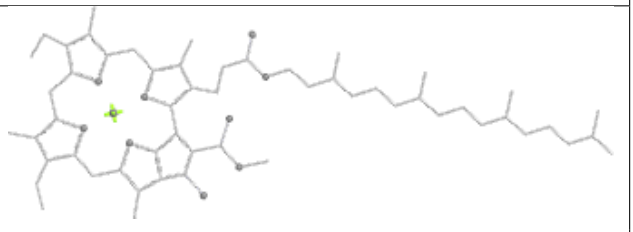
Bond lengths



Bond angles

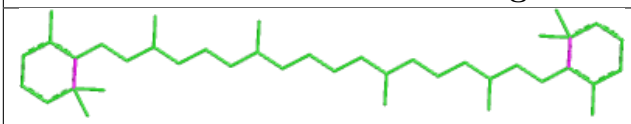


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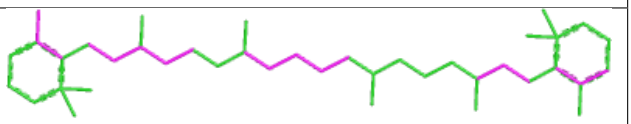


Rings

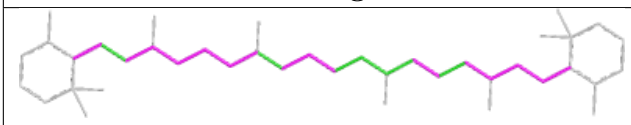
Ligand BCR aM 101



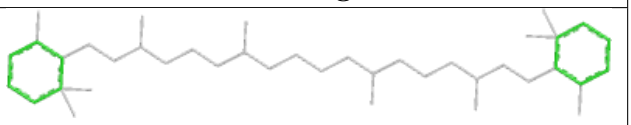
Bond lengths



Bond angles

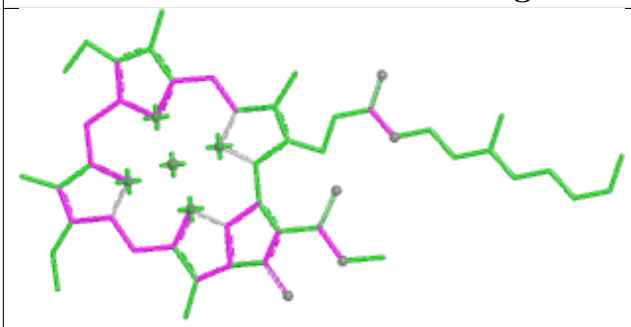


Torsions

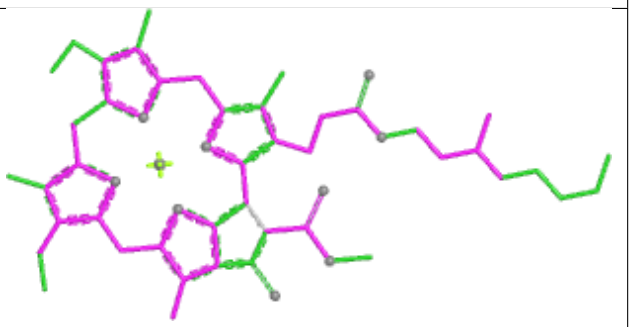


Rings

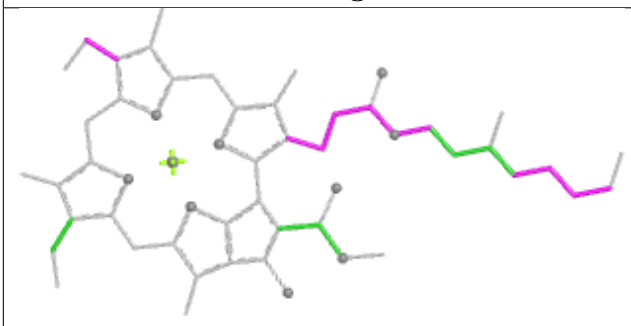
Ligand CLA dA 819



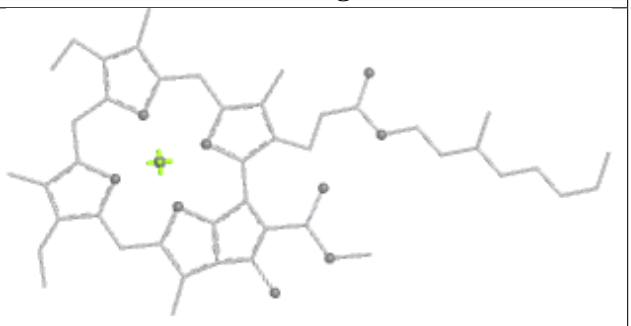
Bond lengths



Bond angles

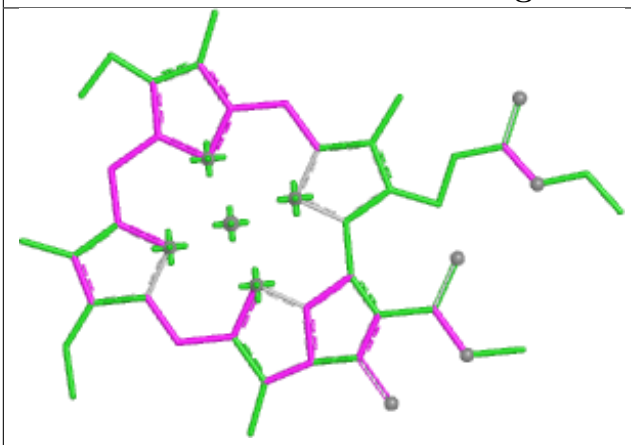


Torsions

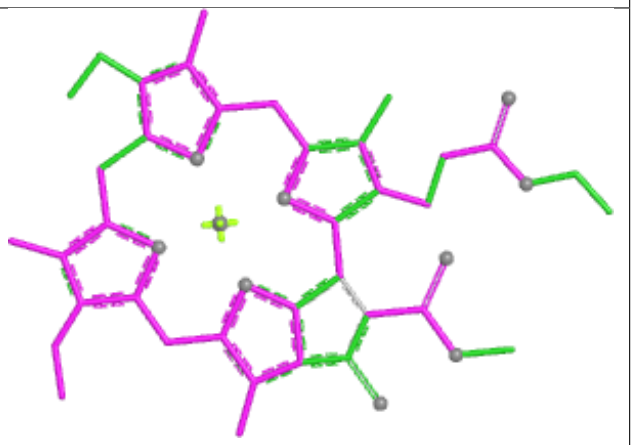


Rings

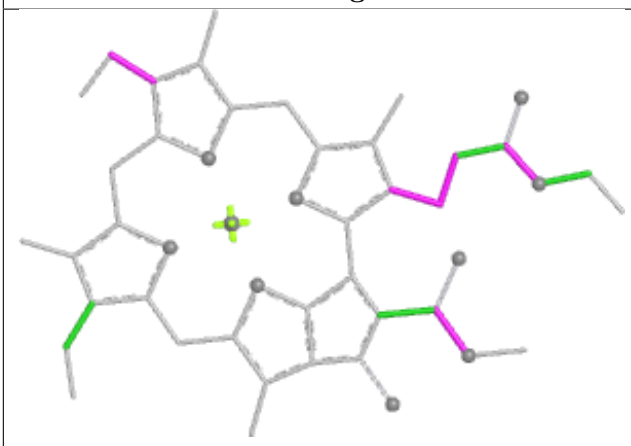
Ligand CLA aA 825



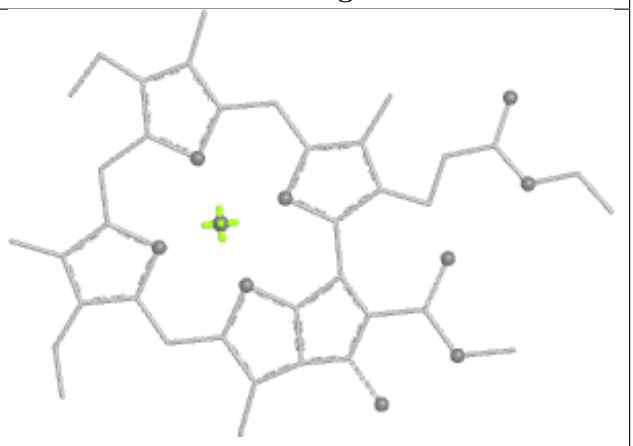
Bond lengths



Bond angles

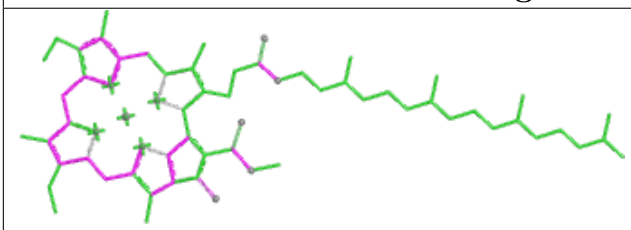


Torsions

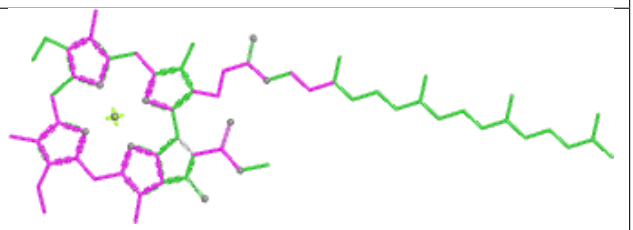


Rings

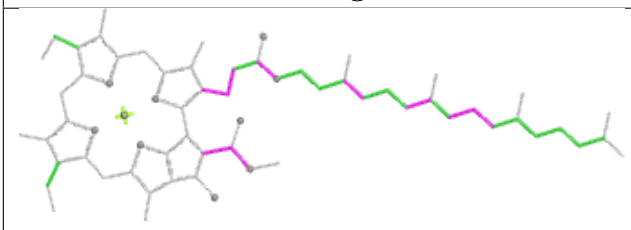
Ligand CLA aA 823



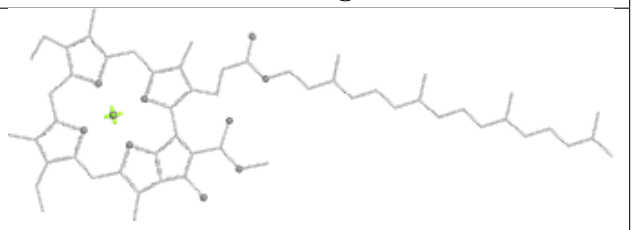
Bond lengths



Bond angles

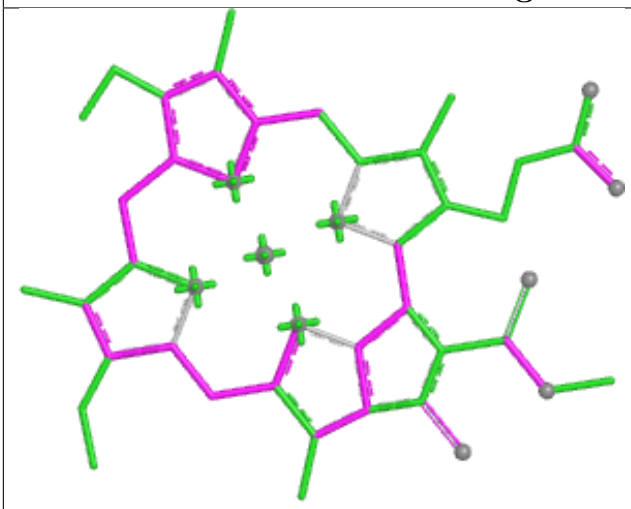


Torsions

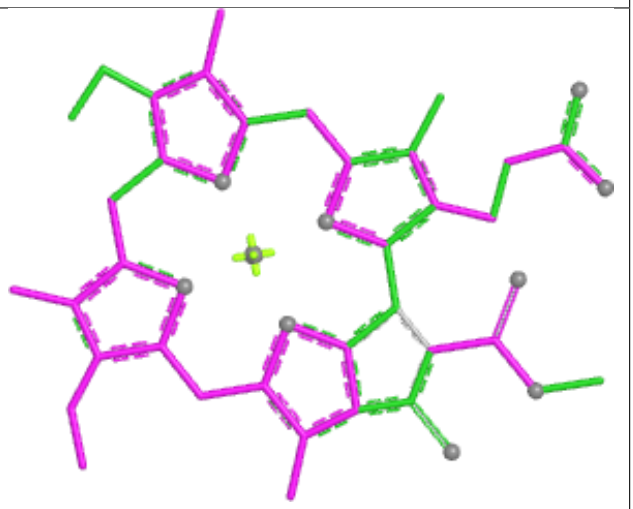


Rings

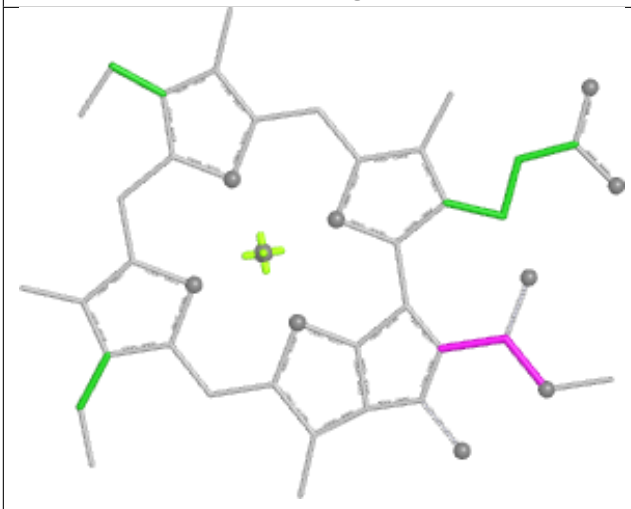
Ligand CLA aB 828



Bond lengths



Bond angles

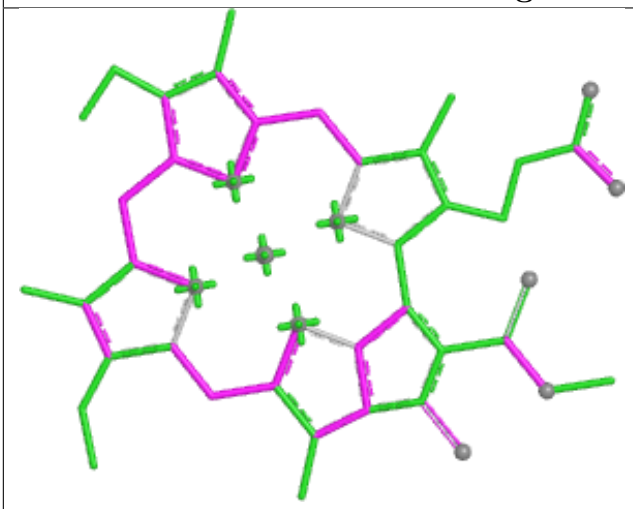


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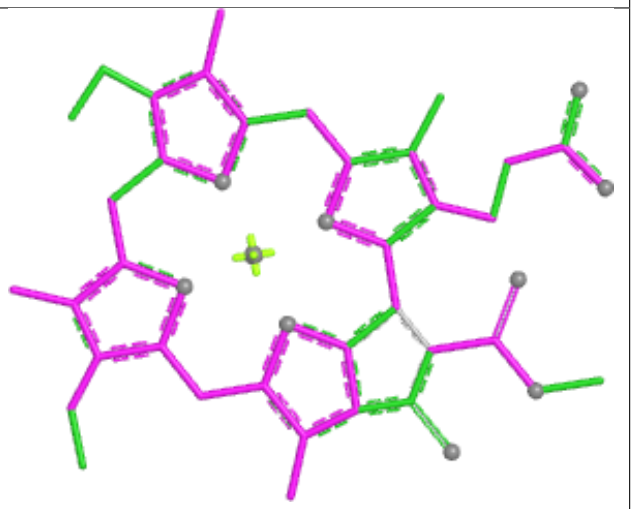


Rings

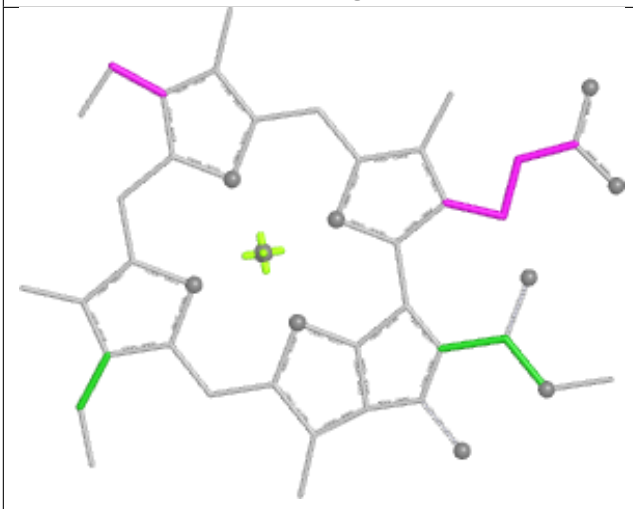
Ligand CLA cA 814



Bond lengths



Bond angles

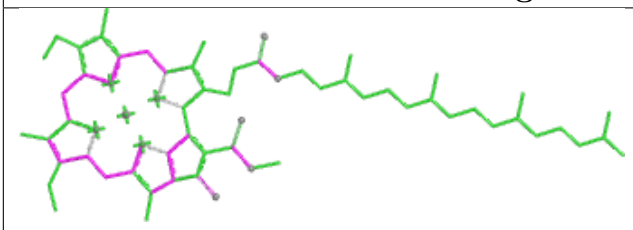


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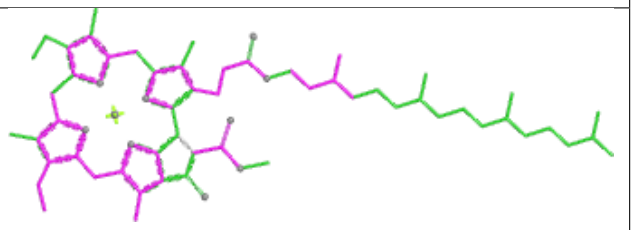


Rings

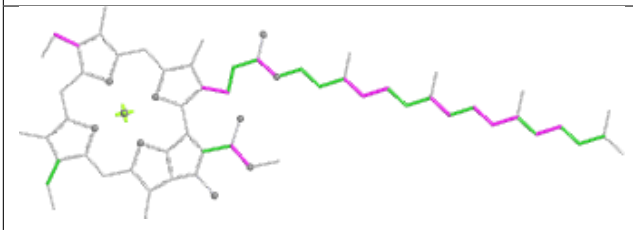
Ligand CLA cA 820



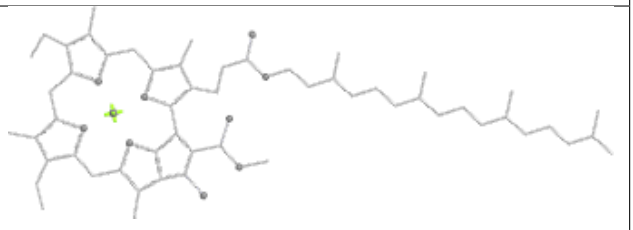
Bond lengths



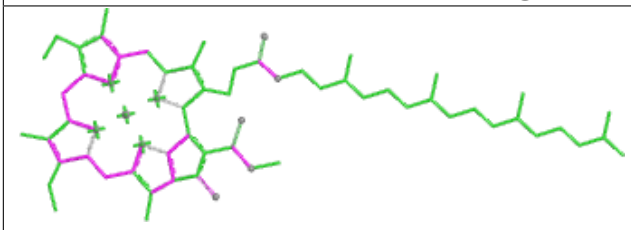
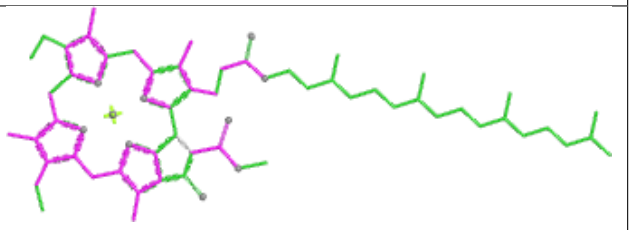
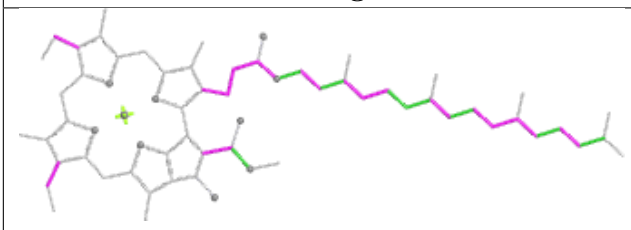
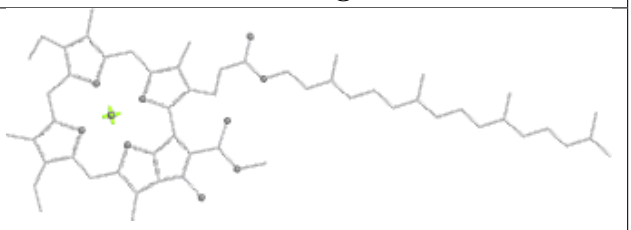
Bond angles

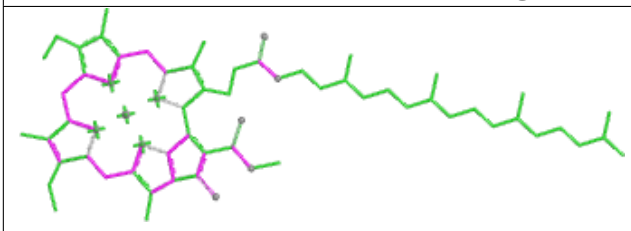
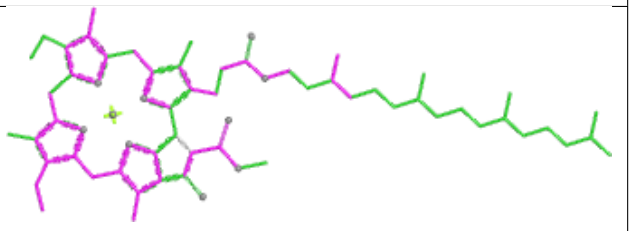
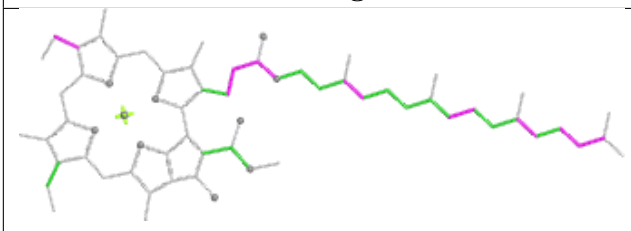
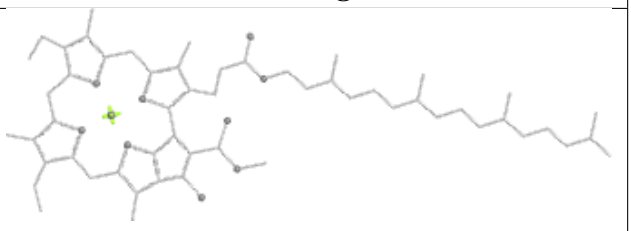


Torsions

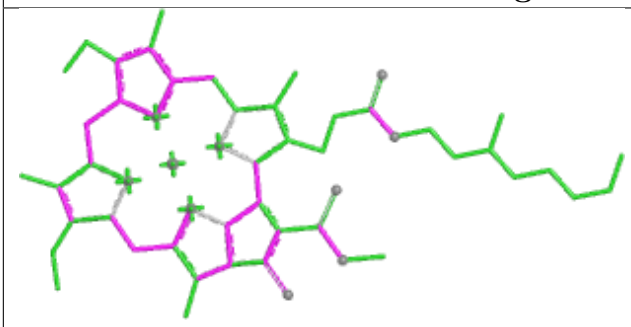


Rings

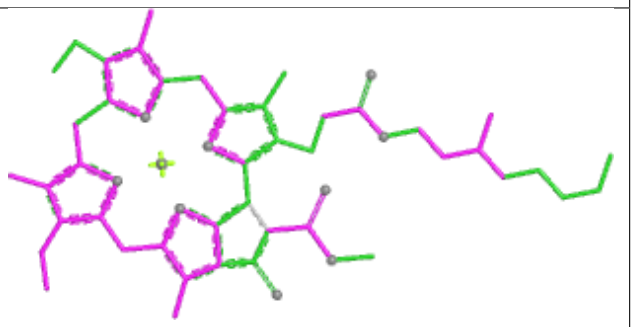
Ligand CLA cB 834	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA bA 818	
	
Bond lengths	Bond angles
	
Torsions	Rings

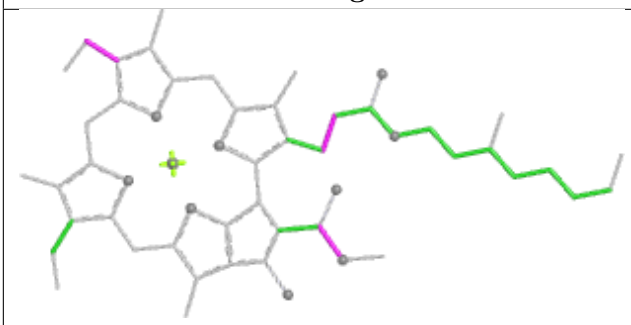
Ligand CLA dB 805



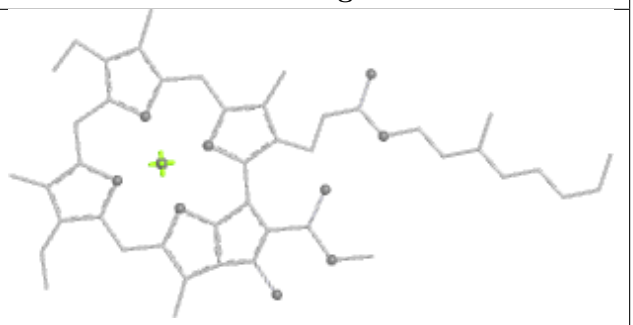
Bond lengths



Bond angles

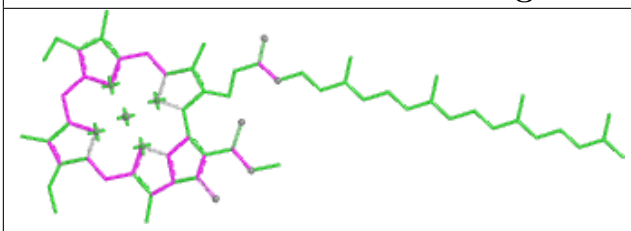


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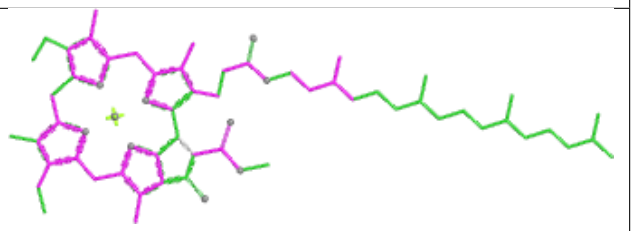


Rings

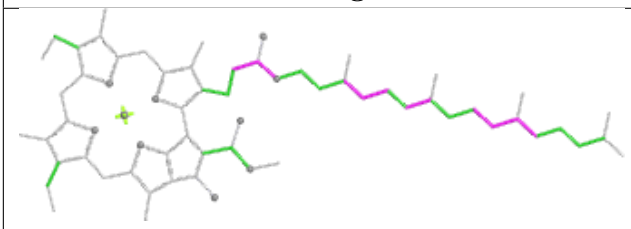
Ligand CLA cA 828



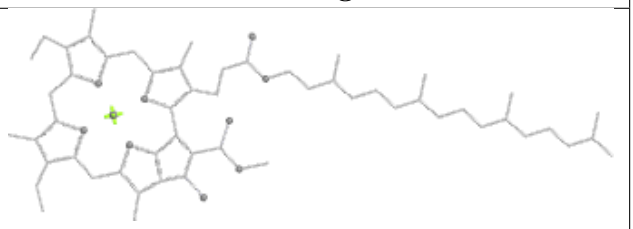
Bond lengths



Bond angles

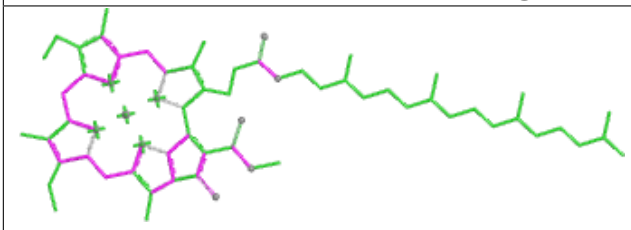


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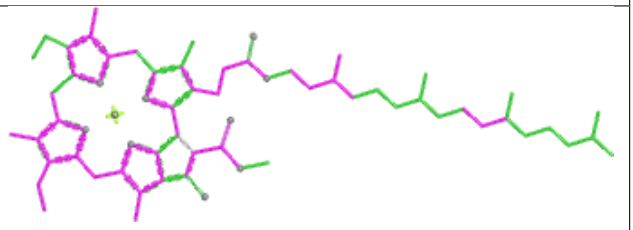


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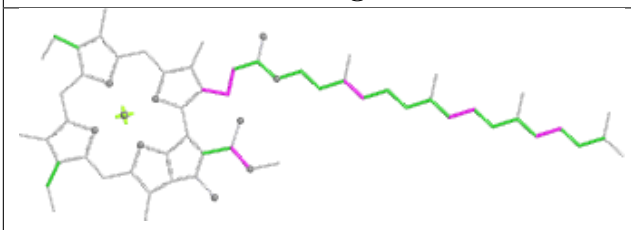
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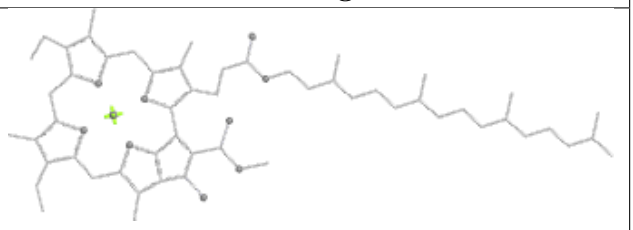
Bond lengths



Bond angles



Torsions

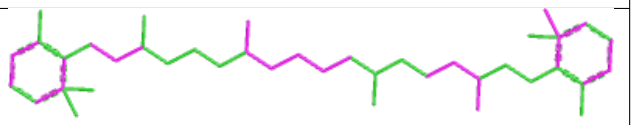


Rings

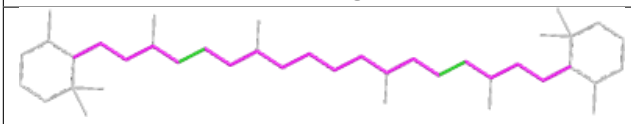
Ligand BCR cA 849



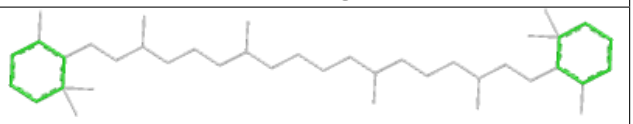
Bond lengths



Bond angles

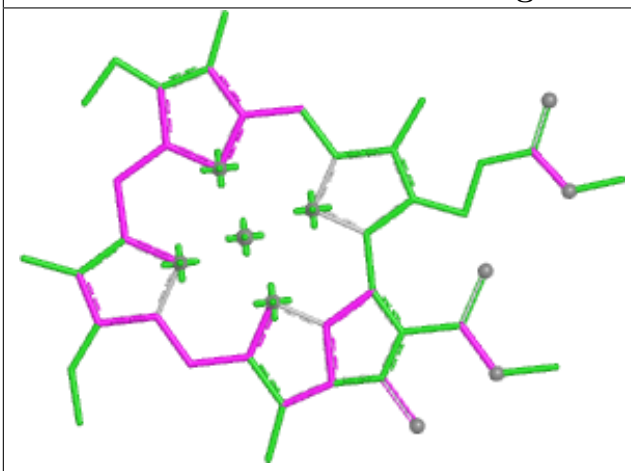


Torsions

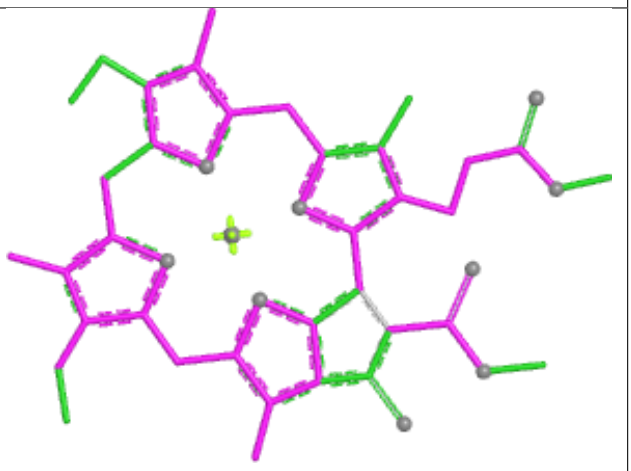


Rings

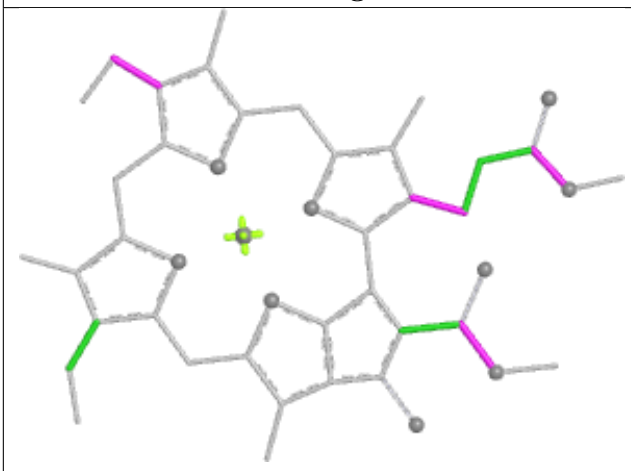
Ligand CLA cB 830



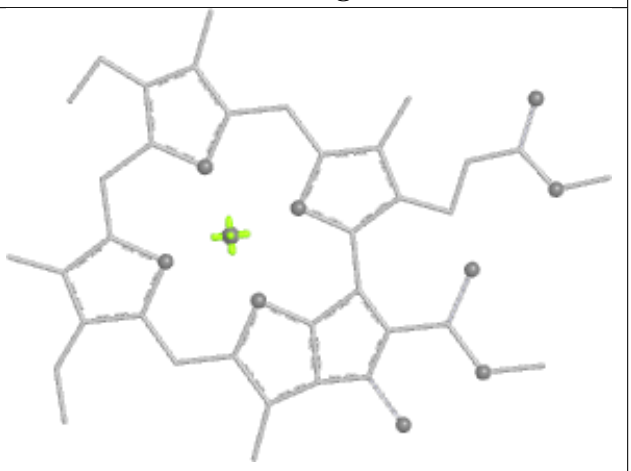
Bond lengths



Bond angles

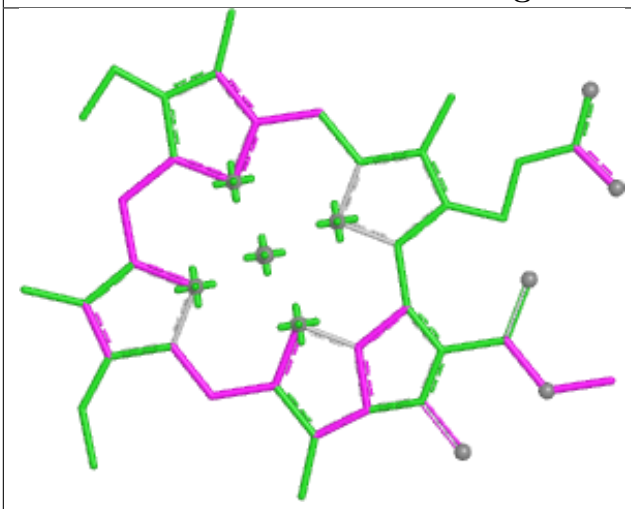


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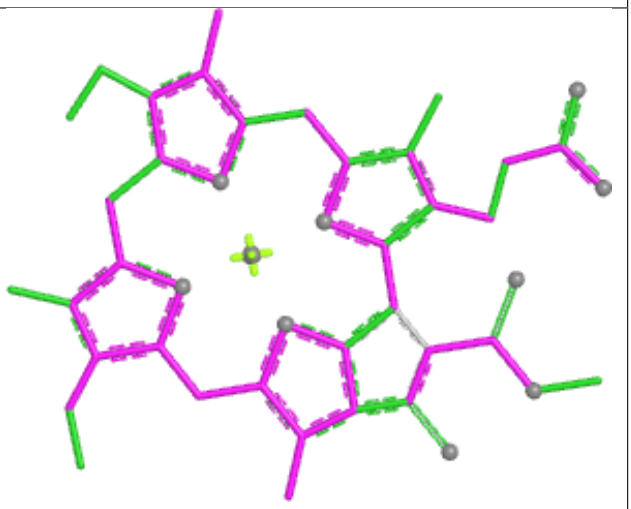


Rings

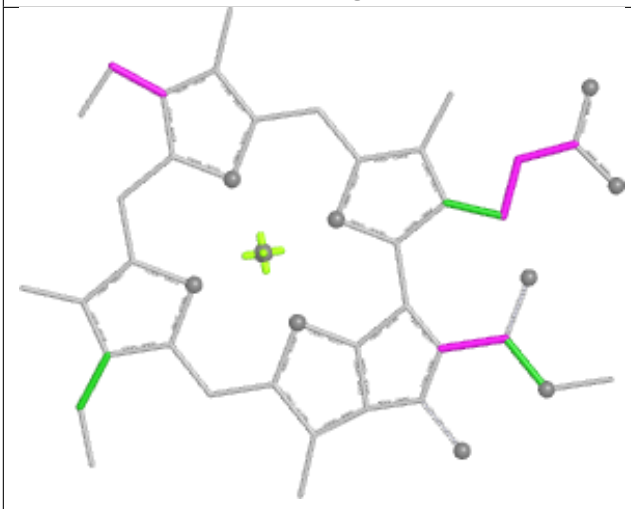
Ligand CLA bA 814



Bond lengths



Bond angles

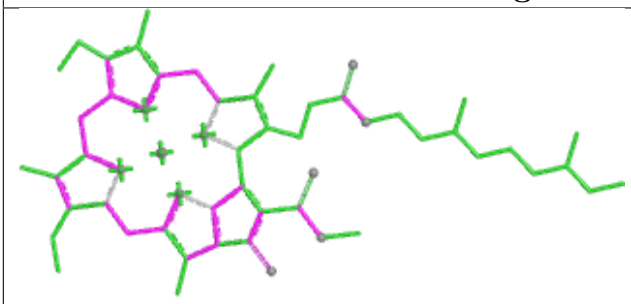


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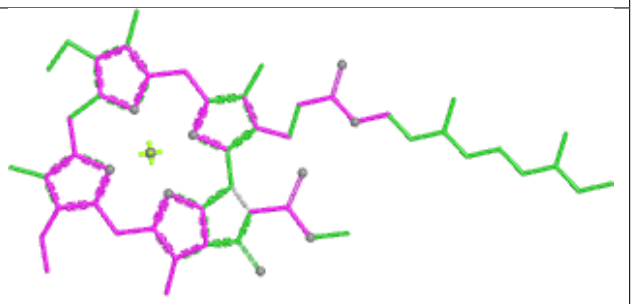


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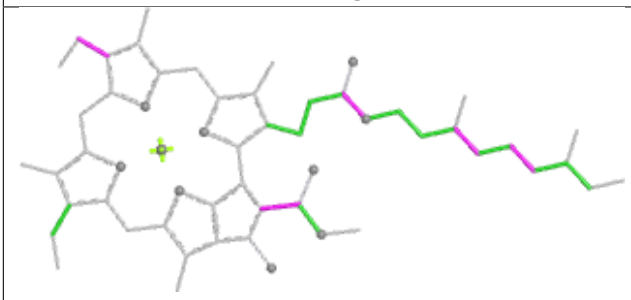
Ligand CLA dA 839



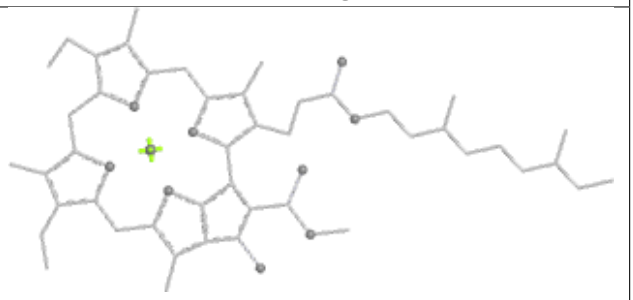
Bond lengths



Bond angles

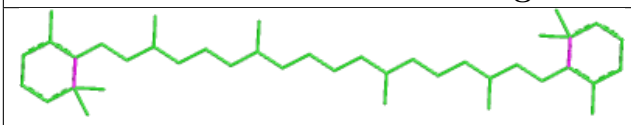


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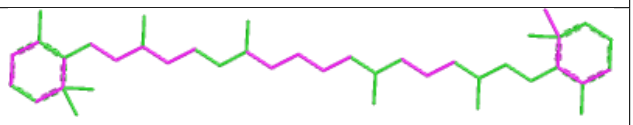


Rings

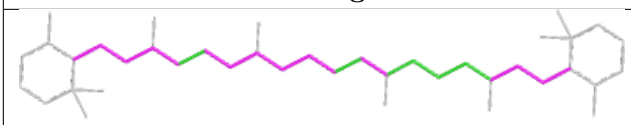
Ligand BCR cA 846



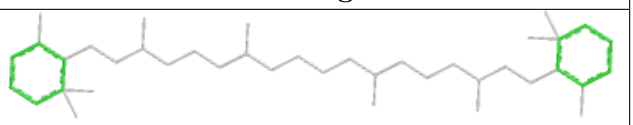
Bond lengths



Bond angles

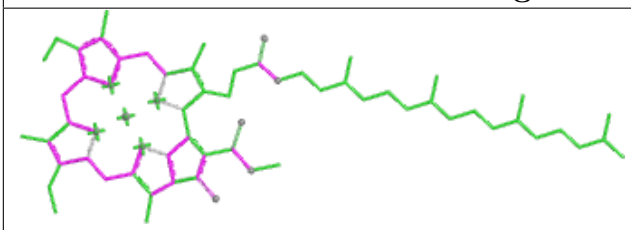


Torsions

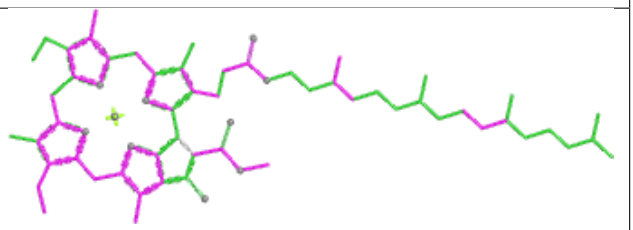


Rings

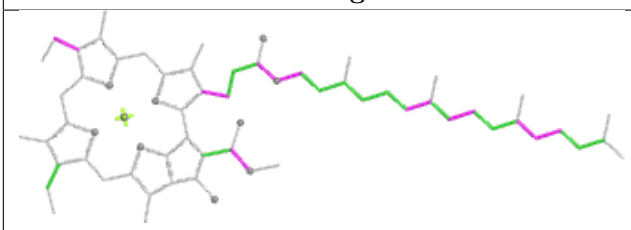
Ligand CLA dA 812



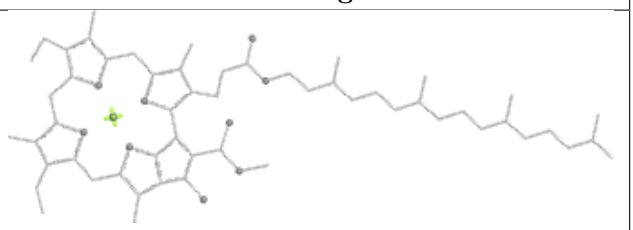
Bond lengths



Bond angles

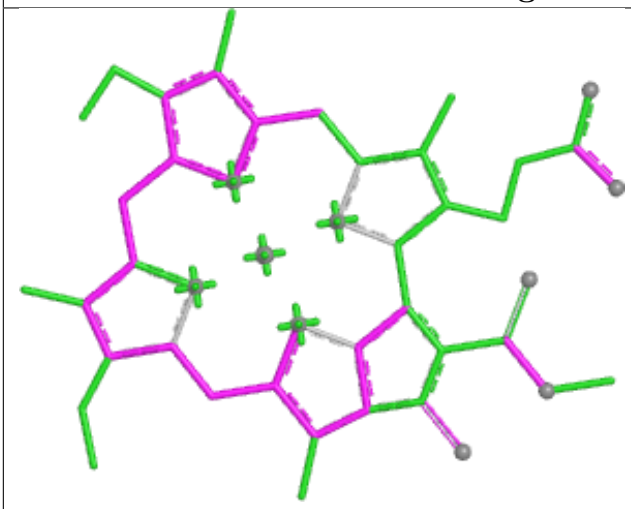


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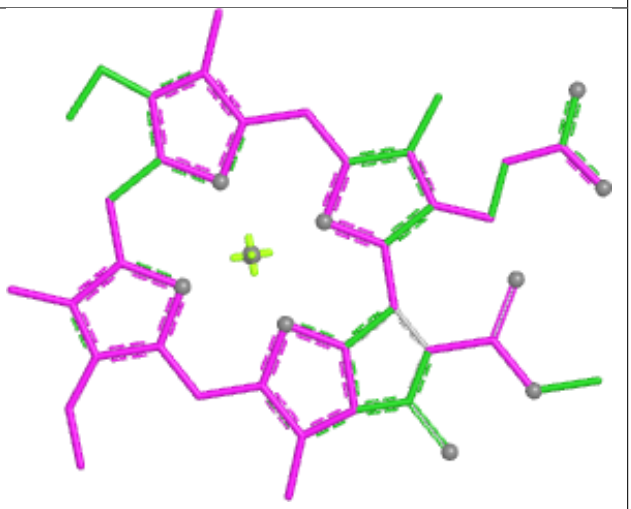


Rings

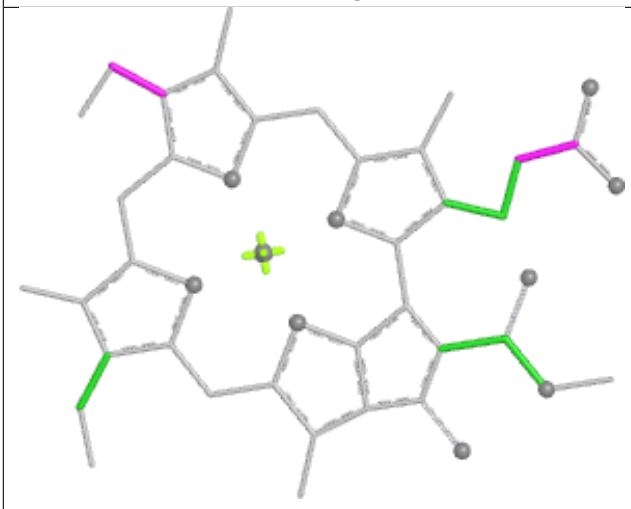
Ligand CLA cF 204



Bond lengths



Bond angles

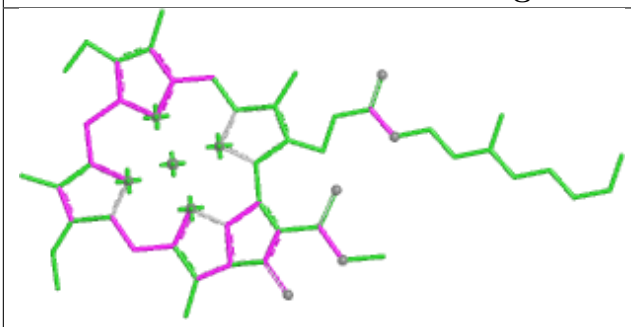


Torsions

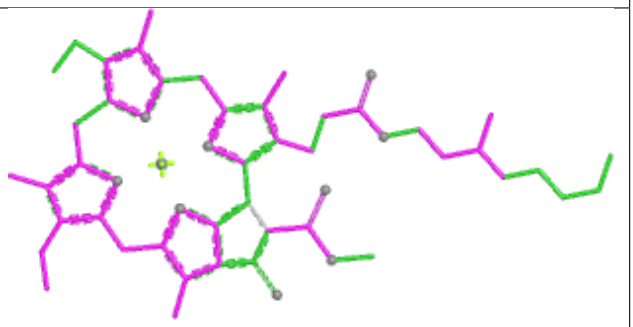


Rings

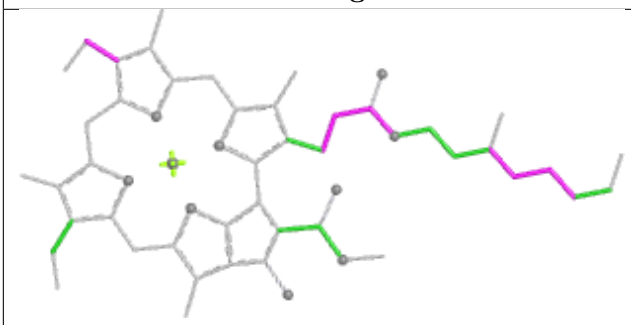
Ligand CLA bA 813



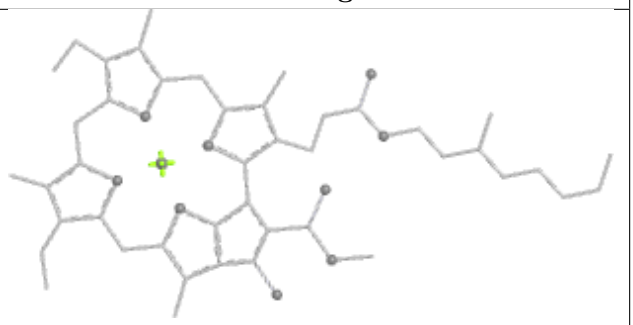
Bond lengths



Bond angles

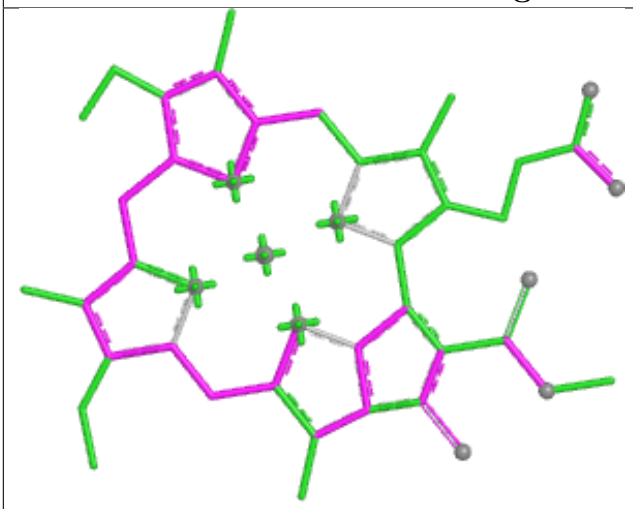


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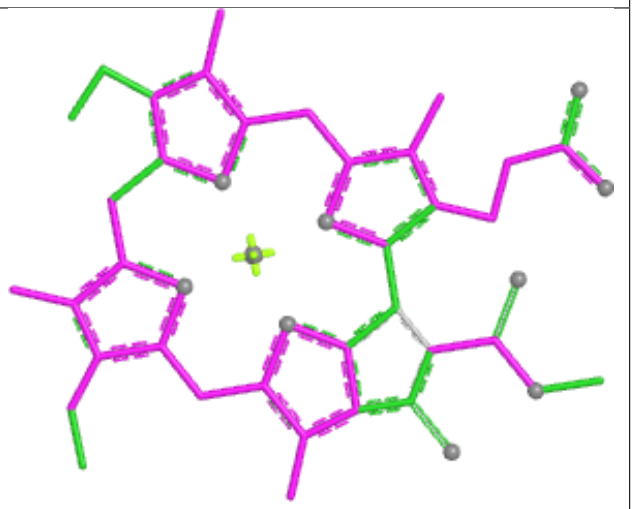


Rings

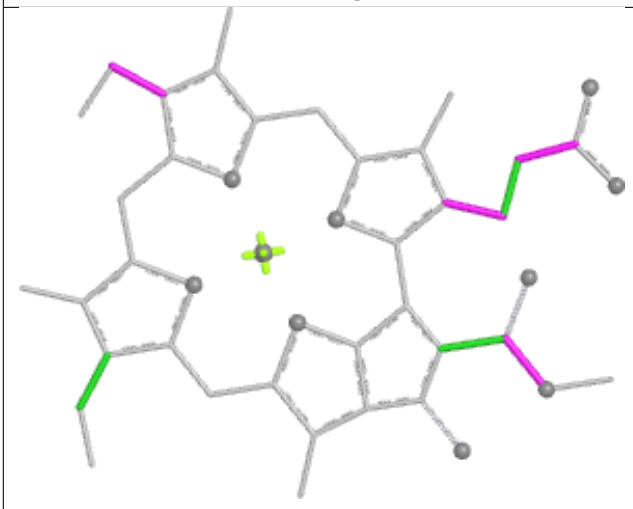
Ligand CLA bA 810



Bond lengths



Bond angles

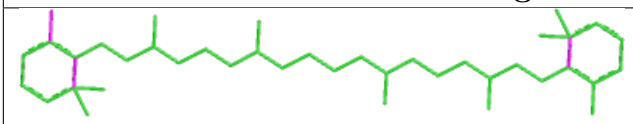


Torsions

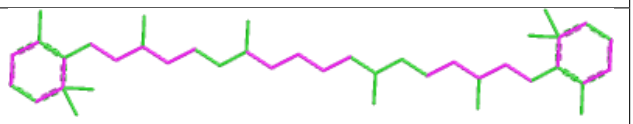


Rings

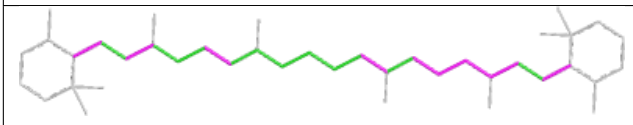
Ligand BCR cA 847



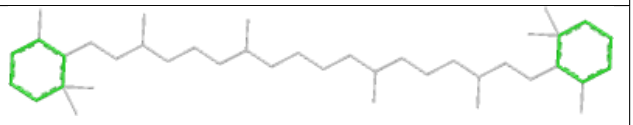
Bond lengths



Bond angles

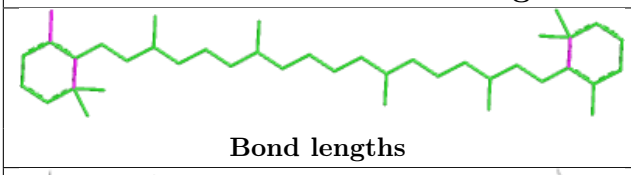


Torsions

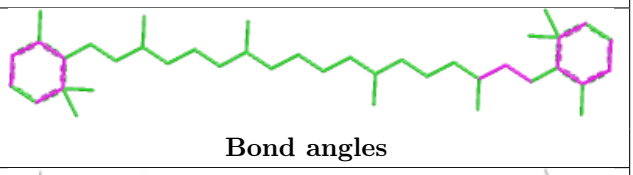


Rings

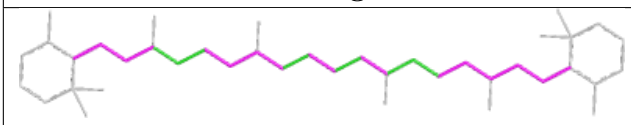
Ligand BCR aK 205



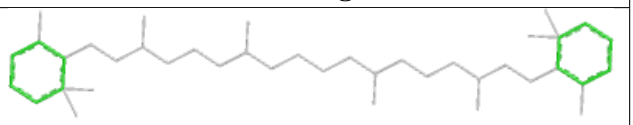
Bond lengths



Bond angles

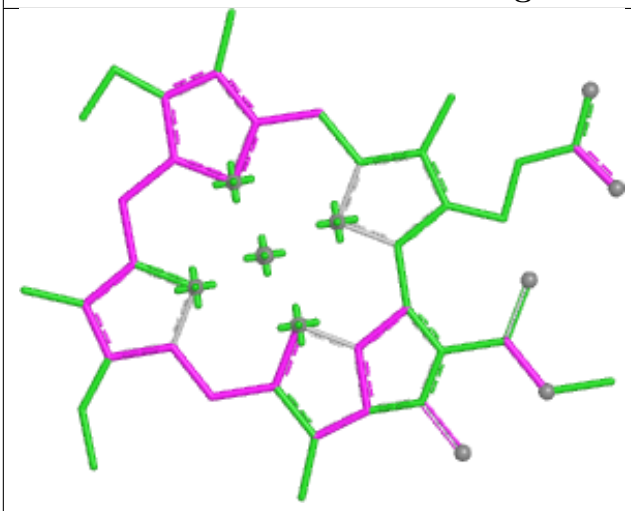


Torsions

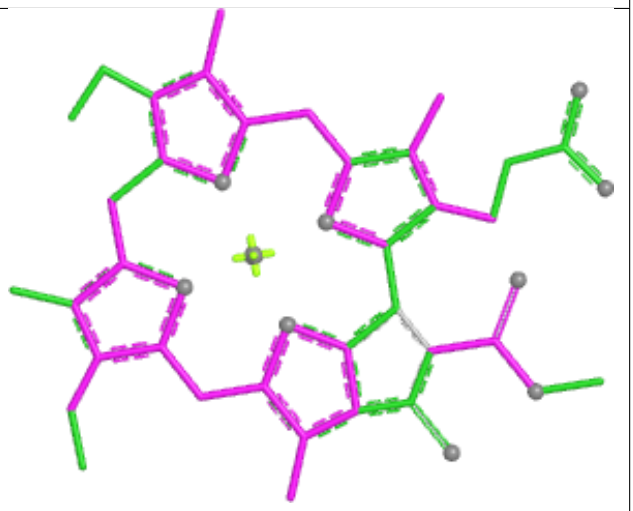


Rings

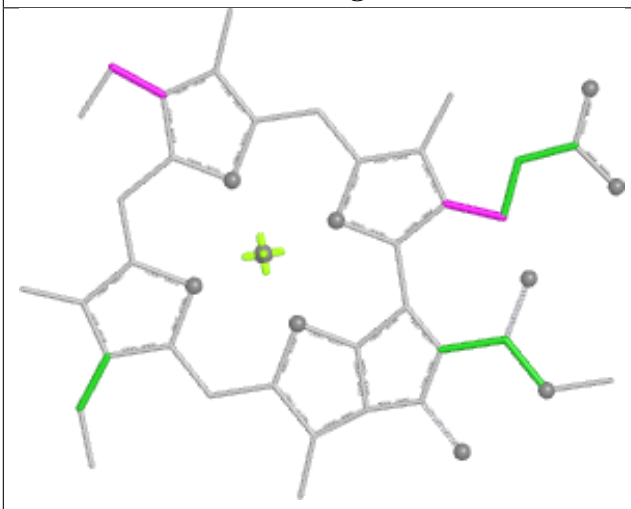
Ligand CLA bB 812



Bond lengths



Bond angles

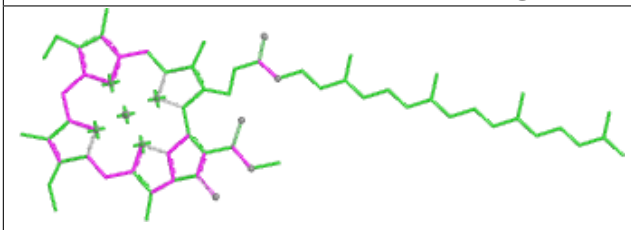


Torsions

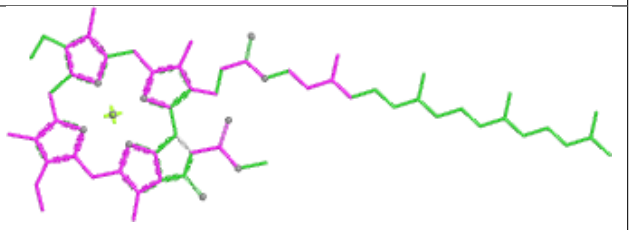


Rings

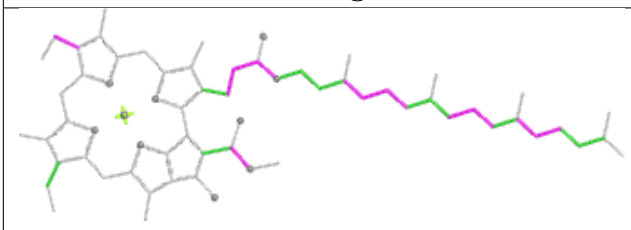
Ligand CLA bA 843



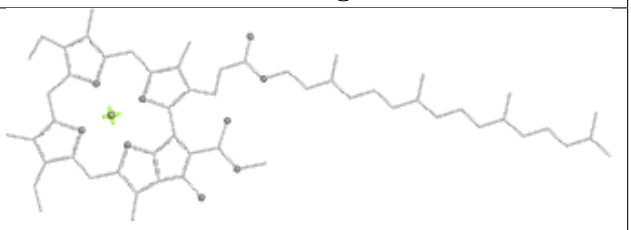
Bond lengths



Bond angles

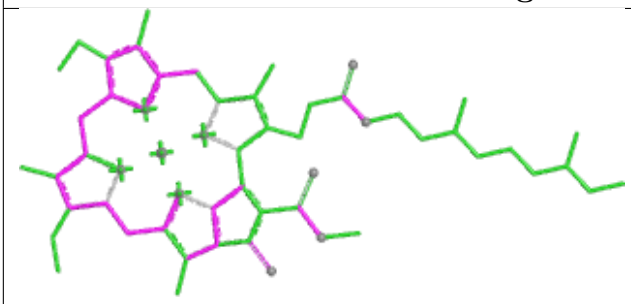


Torsions

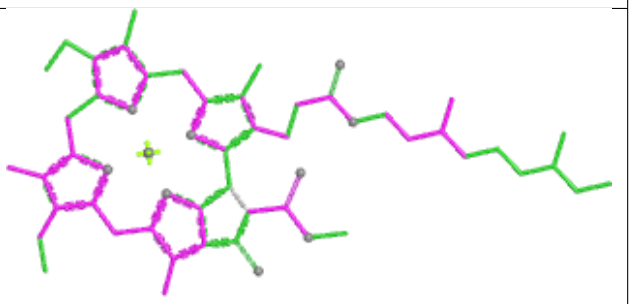


Rings

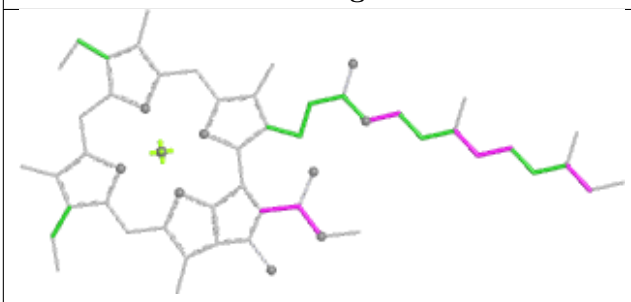
Ligand CLA cB 815



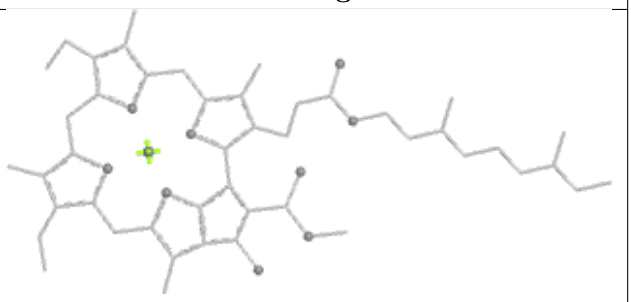
Bond lengths



Bond angles

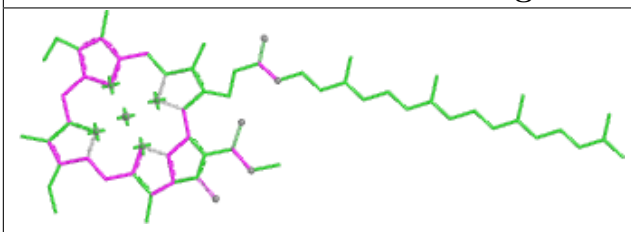


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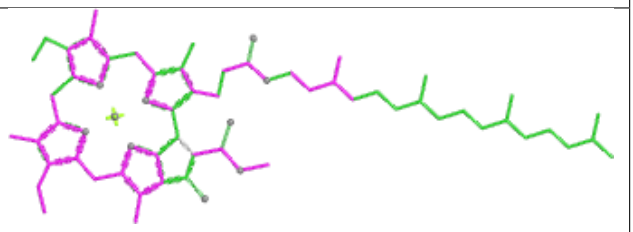


Rings

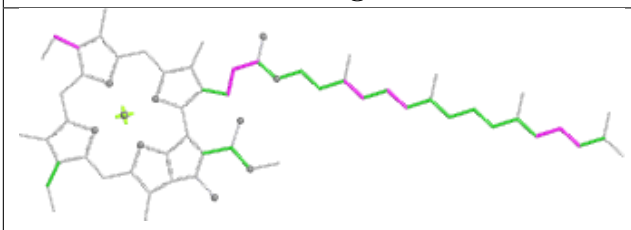
Ligand CLA aA 841



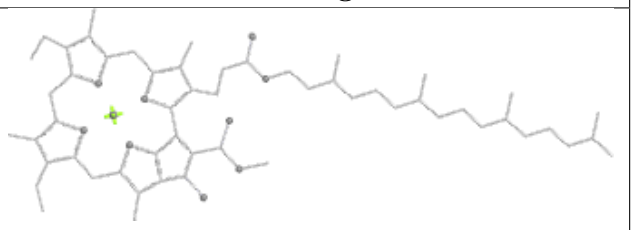
Bond lengths



Bond angles

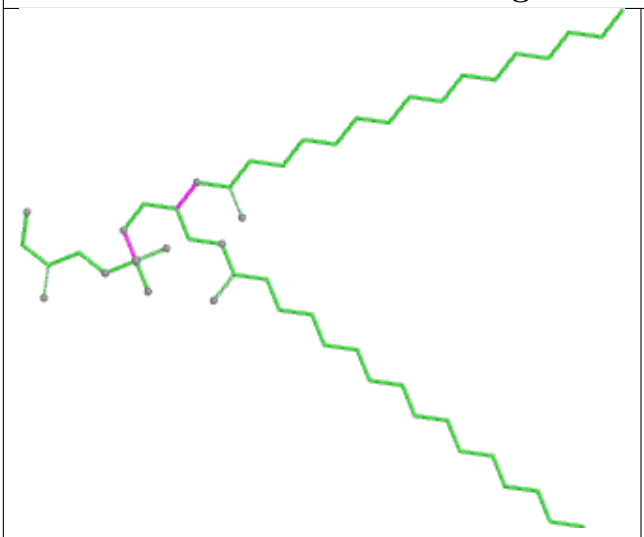


Torsions

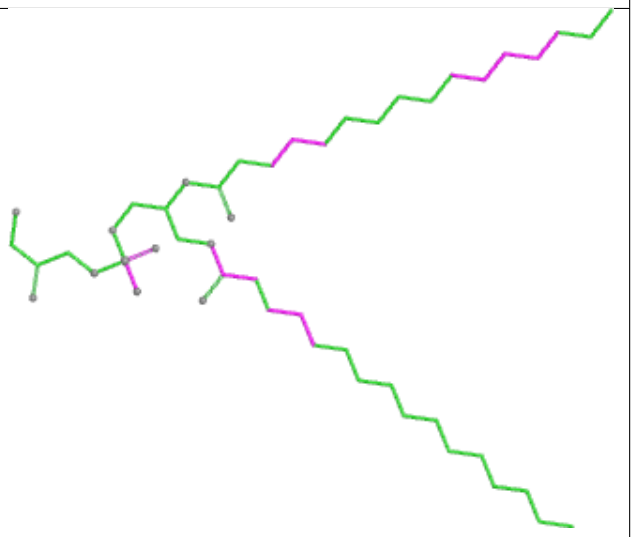


Rings

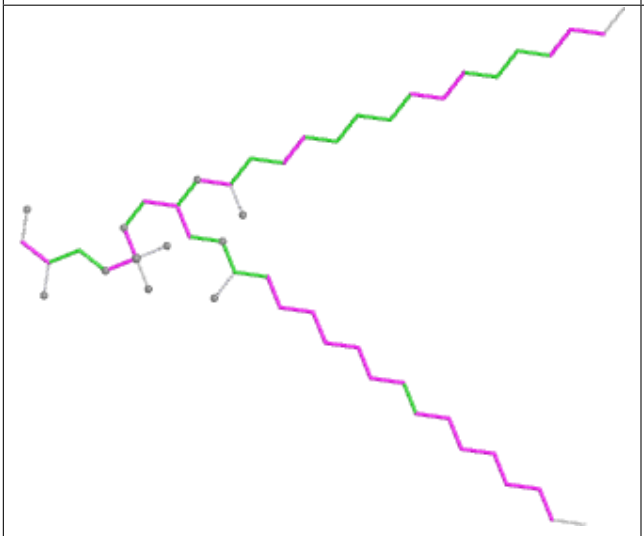
Ligand LHG bA 852



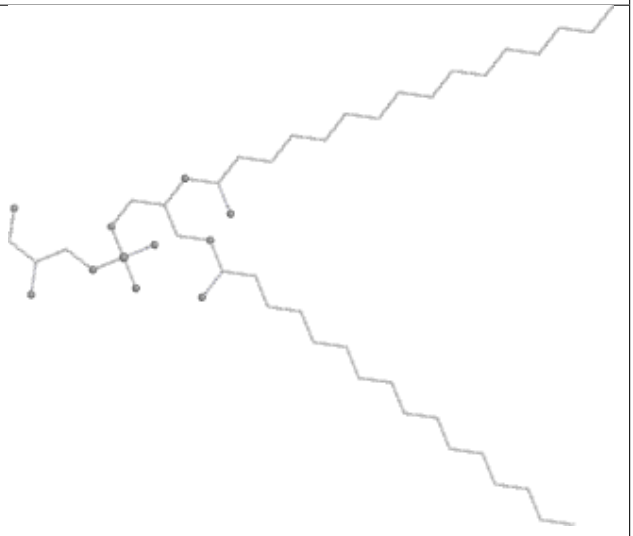
Bond lengths



Bond angles

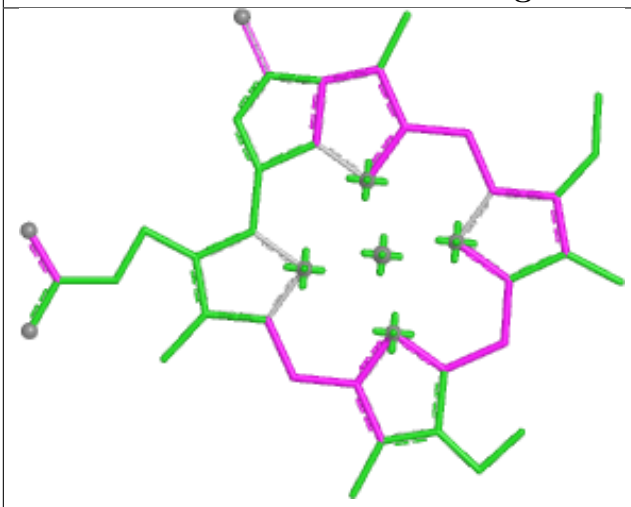


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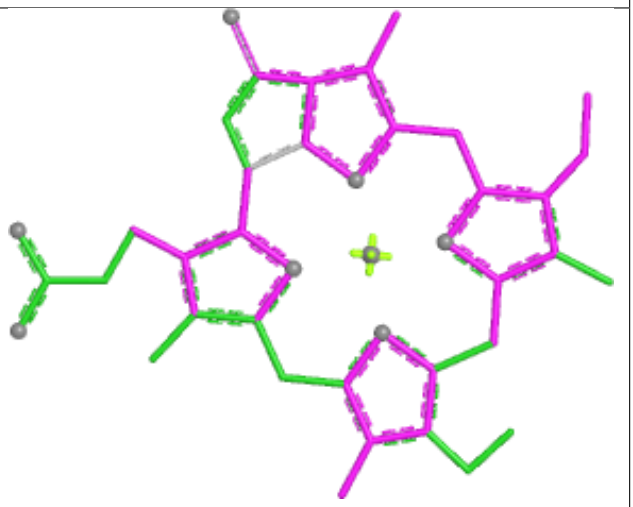


Rings

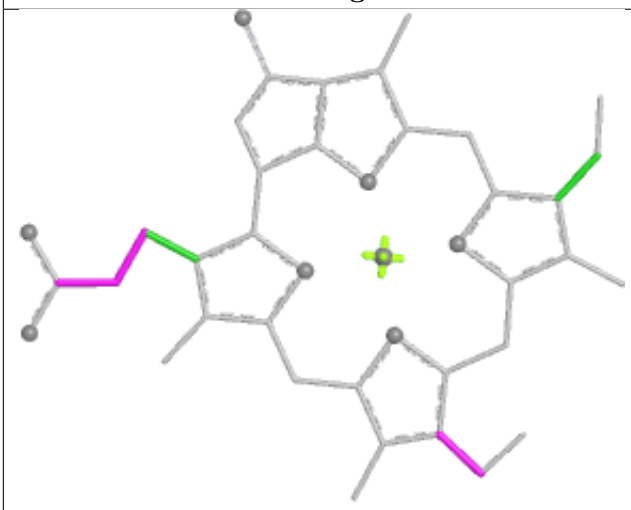
Ligand CLA aK 201



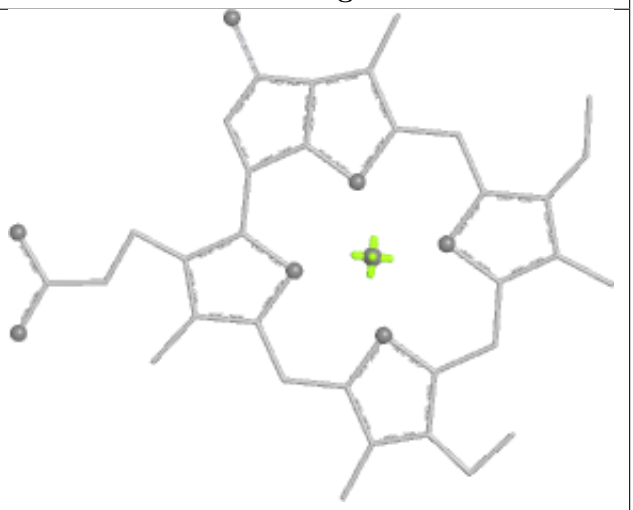
Bond lengths



Bond angles

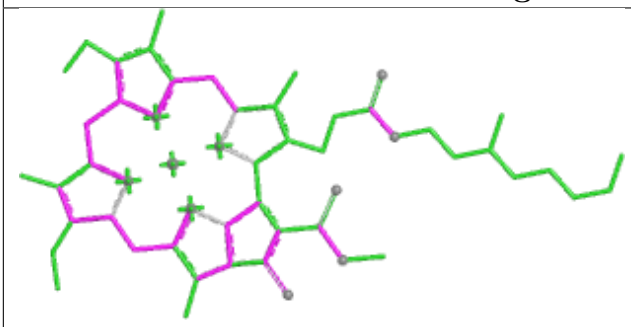


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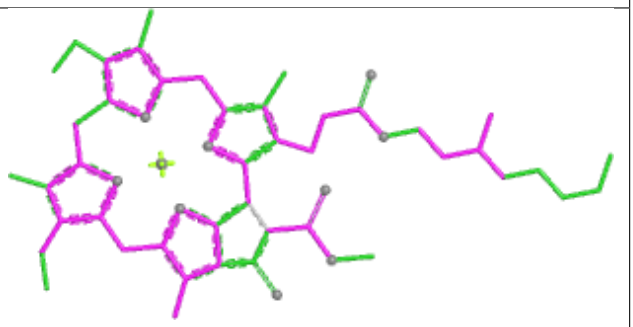


Rings

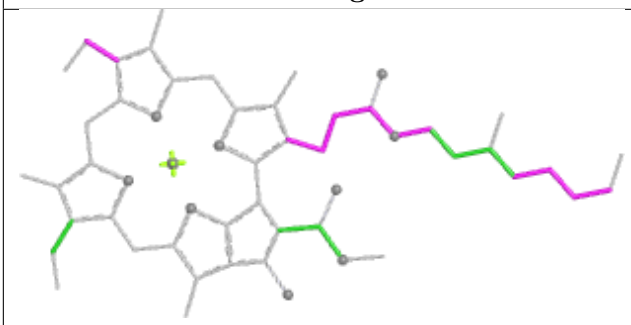
Ligand CLA bA 819



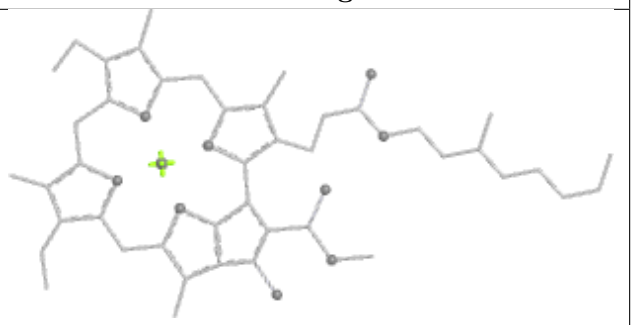
Bond lengths



Bond angles

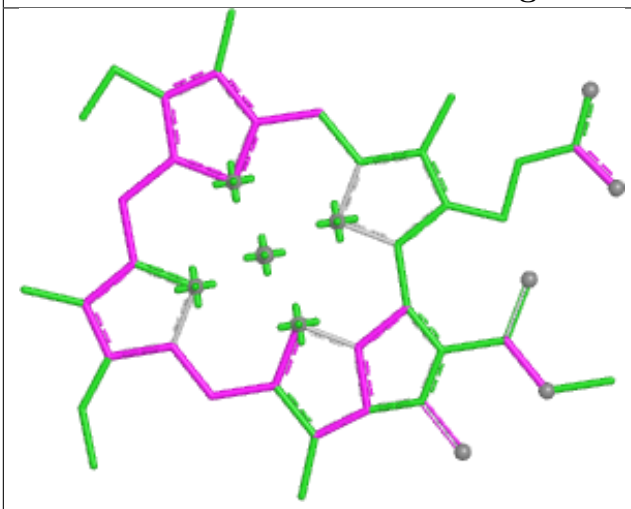


Torsions

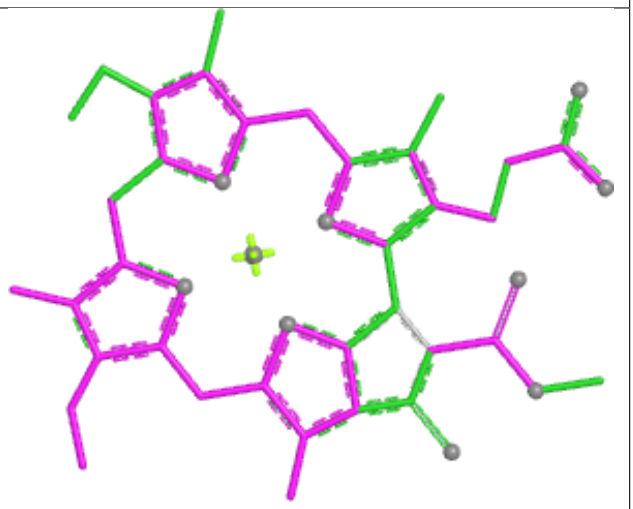


Rings

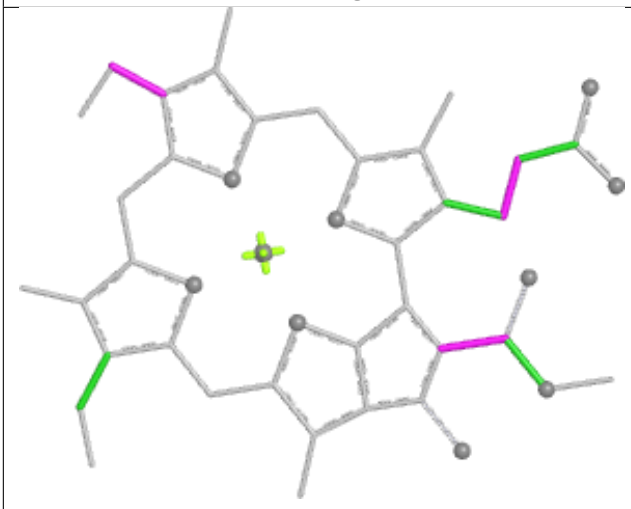
Ligand CLA aJ 101



Bond lengths



Bond angles

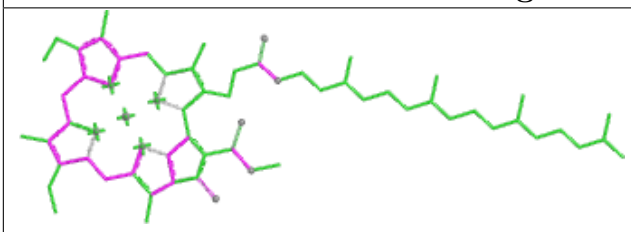


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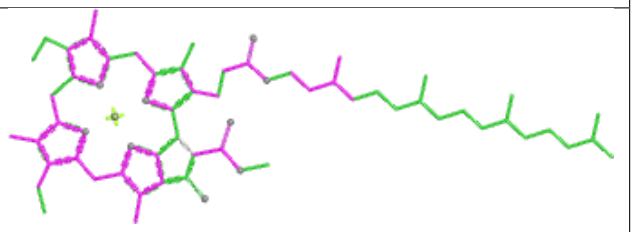


Rings

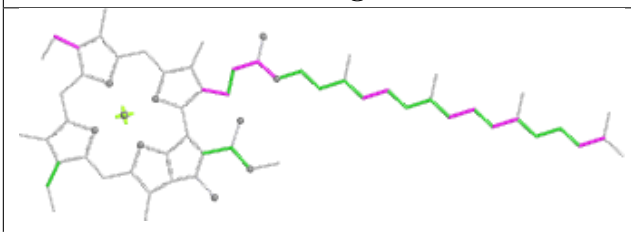
Ligand CLA cB 814



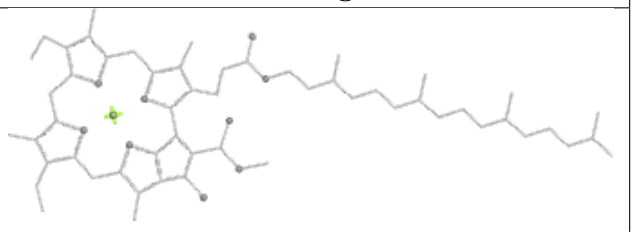
Bond lengths



Bond angles

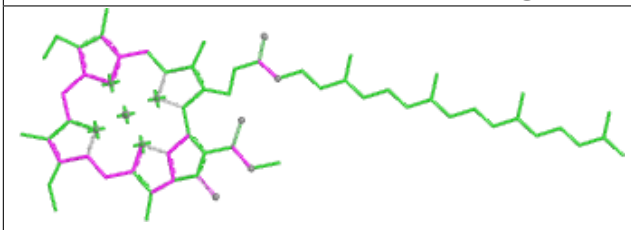


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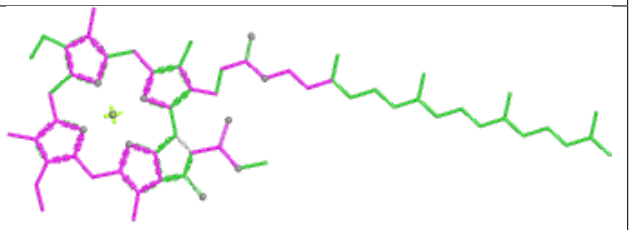


Rings

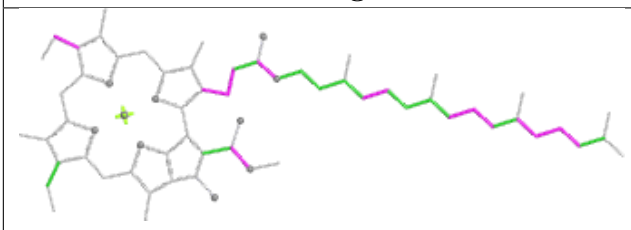
Ligand CLA cL 203



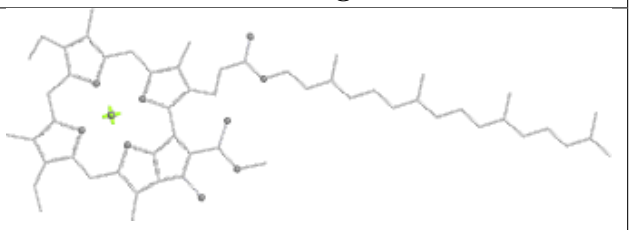
Bond lengths



Bond angles

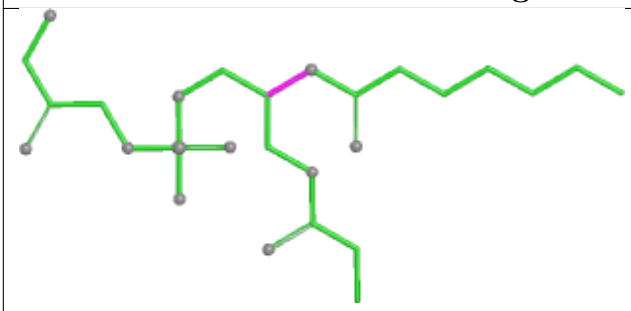


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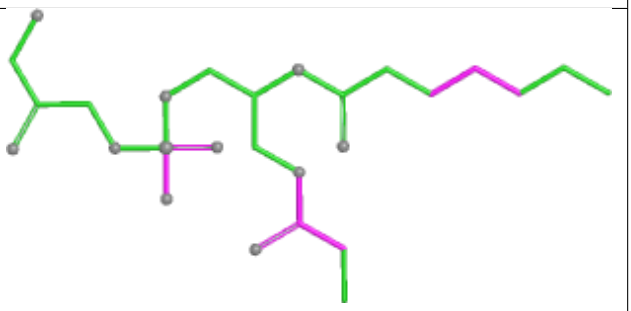


Rings

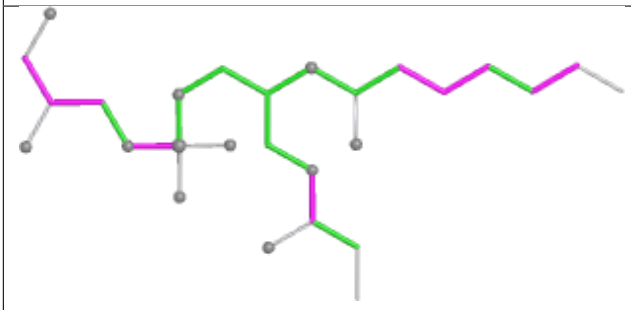
Ligand LHG dA 853



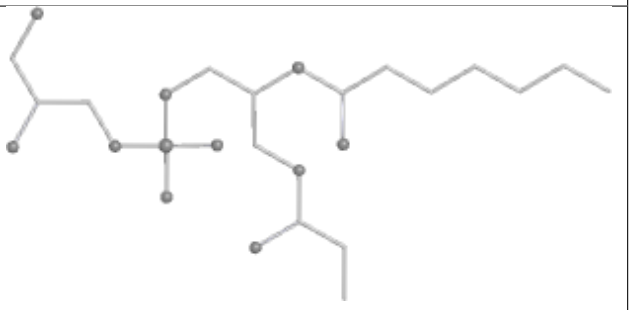
Bond lengths



Bond angles

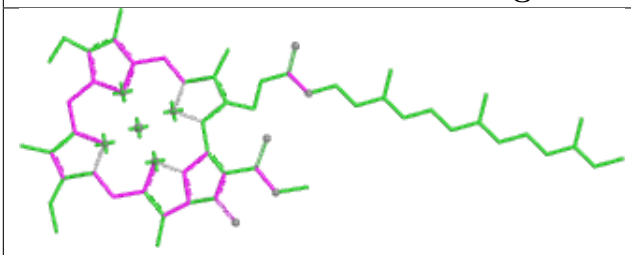


Torsions

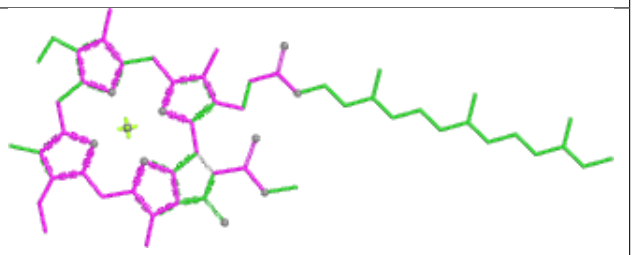


Rings

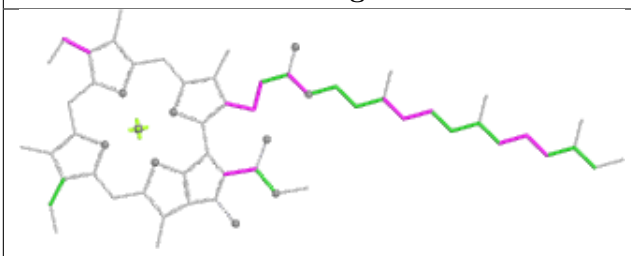
Ligand CLA bA 821



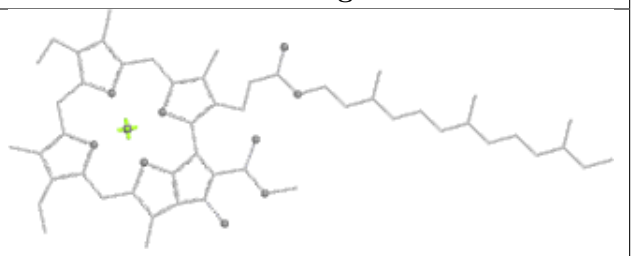
Bond lengths



Bond angles

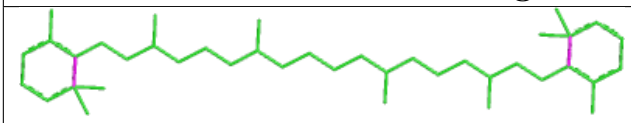


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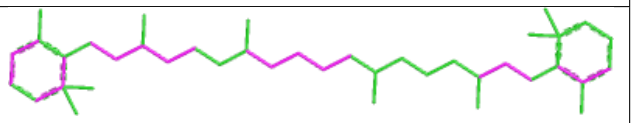


Rings

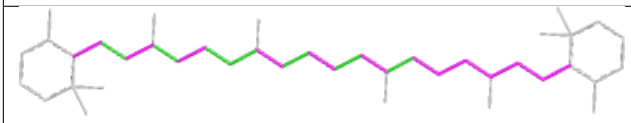
Ligand BCR aB 837



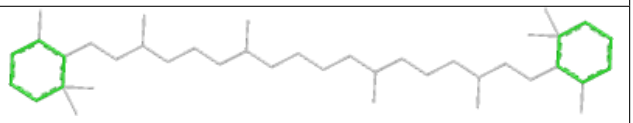
Bond lengths



Bond angles

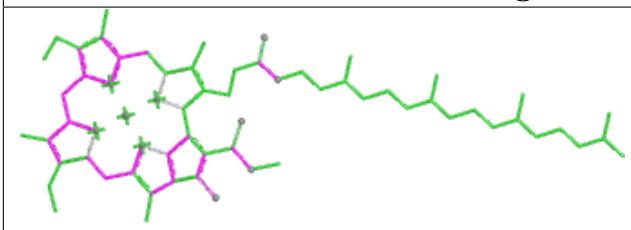


Torsions

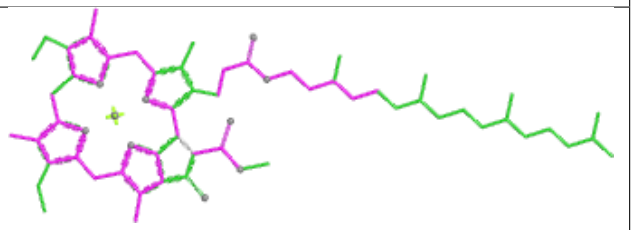


Rings

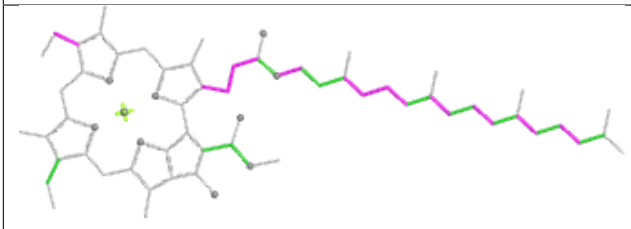
Ligand CLA dB 829



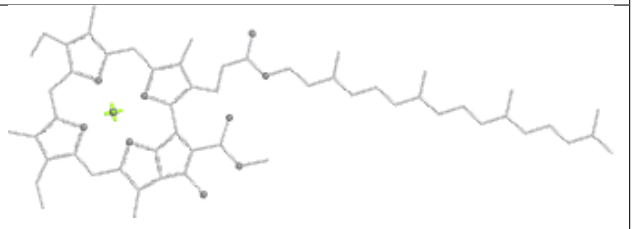
Bond lengths



Bond angles

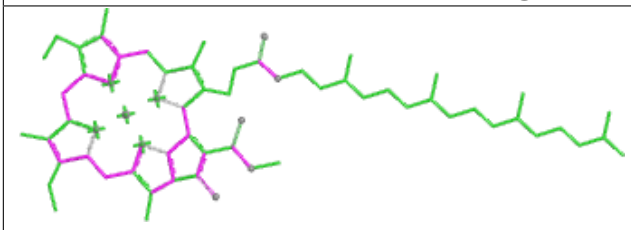


Torsions

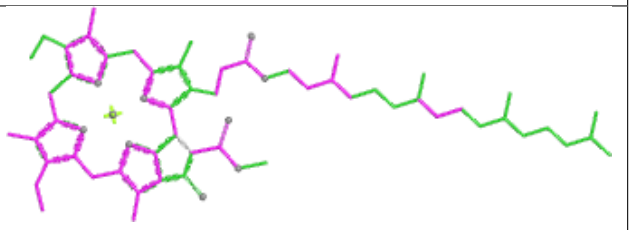


Rings

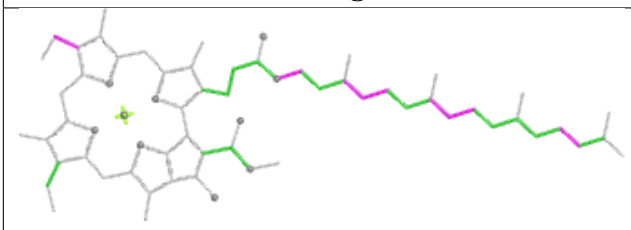
Ligand CLA aB 811



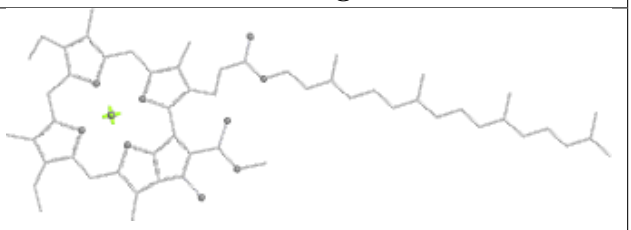
Bond lengths



Bond angles

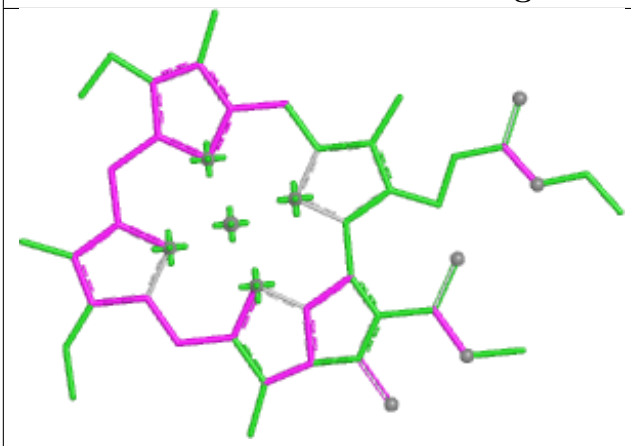


Torsions

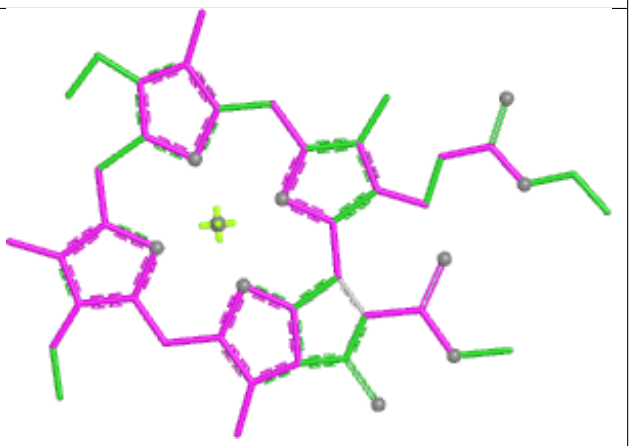


Rings

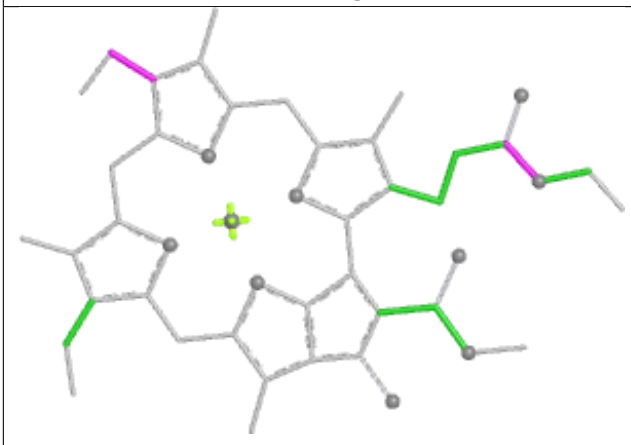
Ligand CLA dB 830



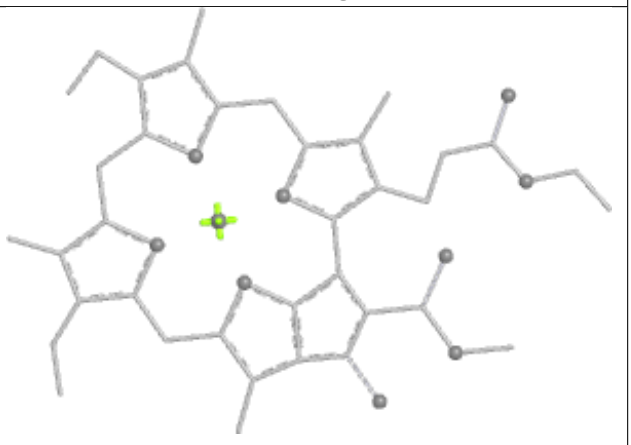
Bond lengths



Bond angles

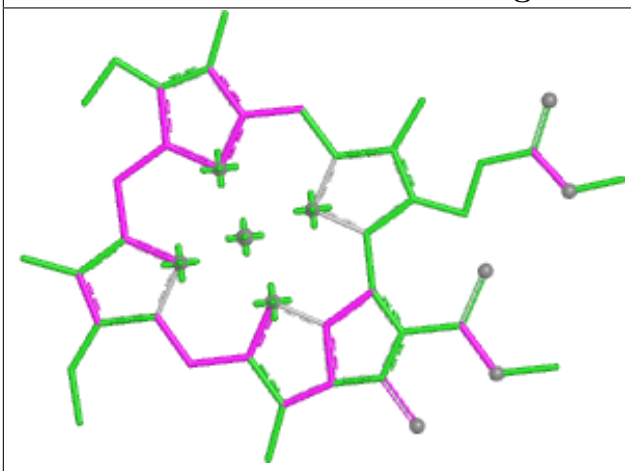


Torsions

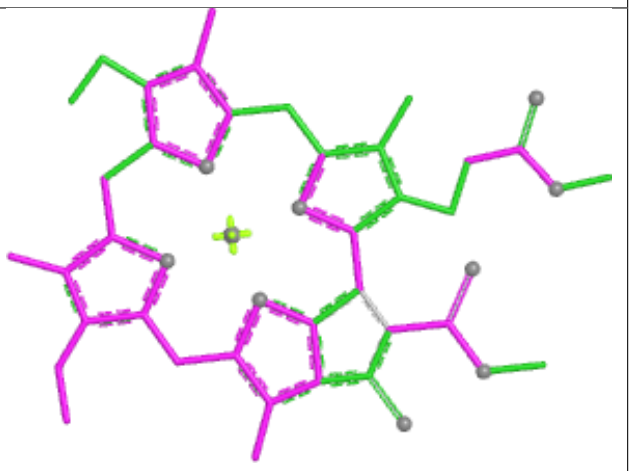


Rings

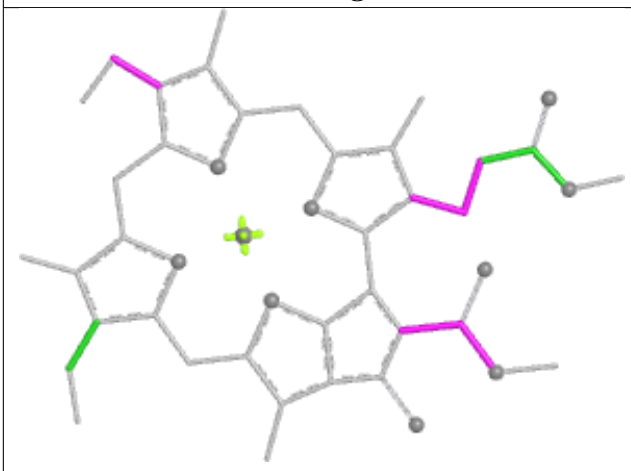
Ligand CLA dA 823



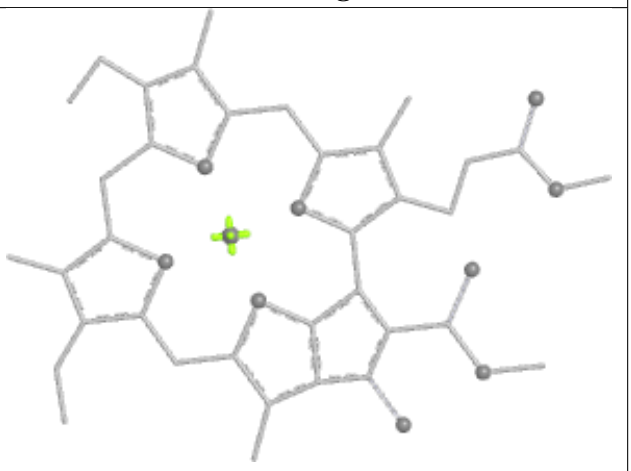
Bond lengths



Bond angles

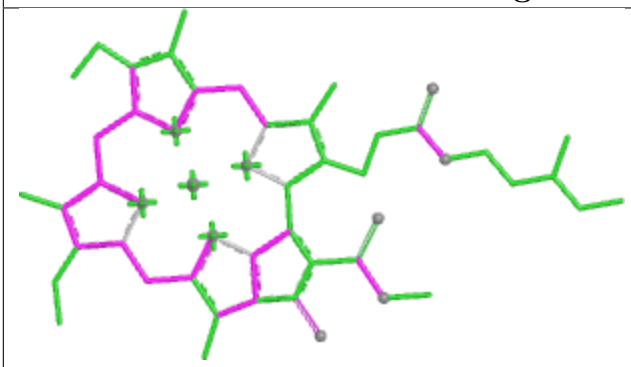


Torsions

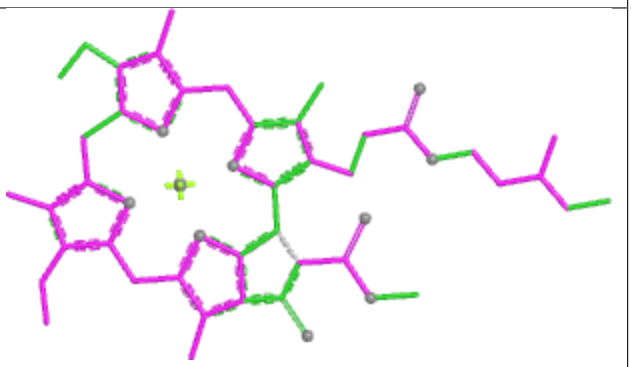


Rings

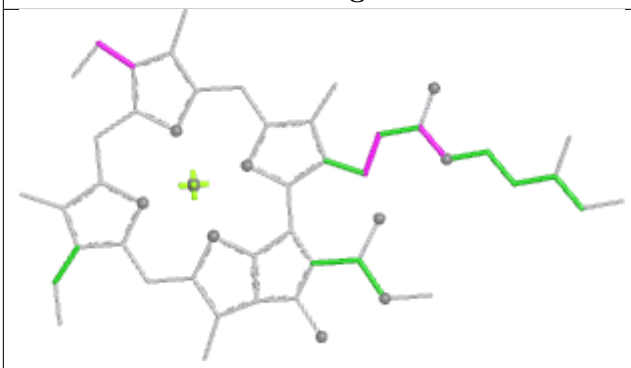
Ligand CLA dA 808



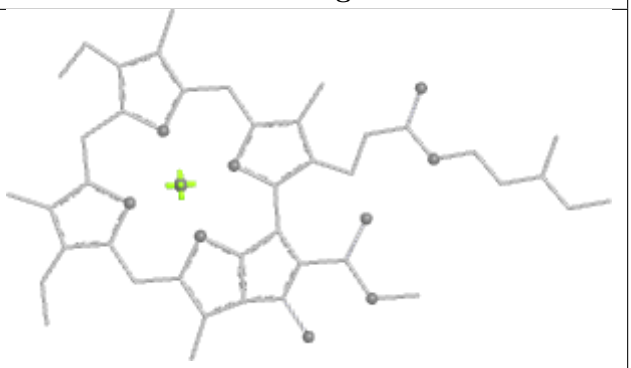
Bond lengths



Bond angles

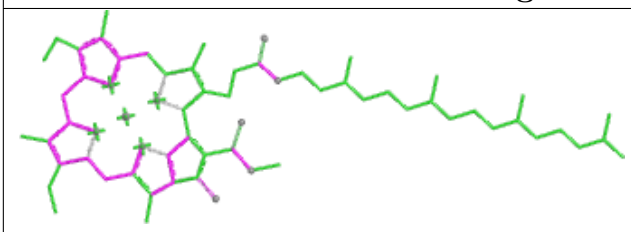


Torsions

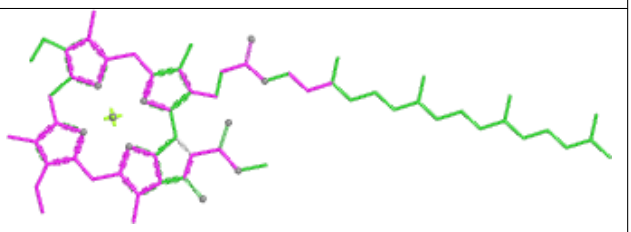


Rings

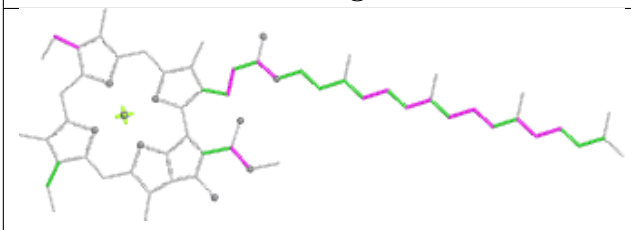
Ligand CLA cB 833



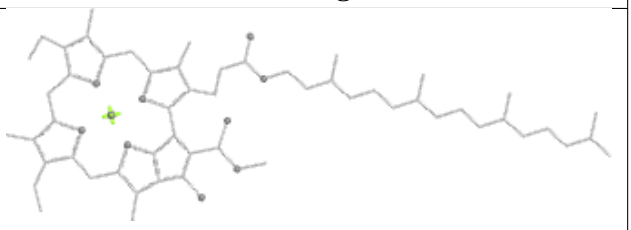
Bond lengths



Bond angles

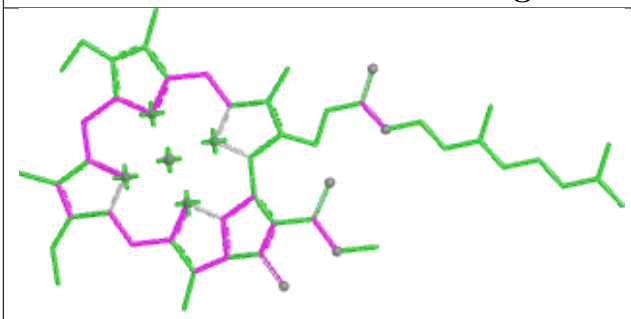


Torsions

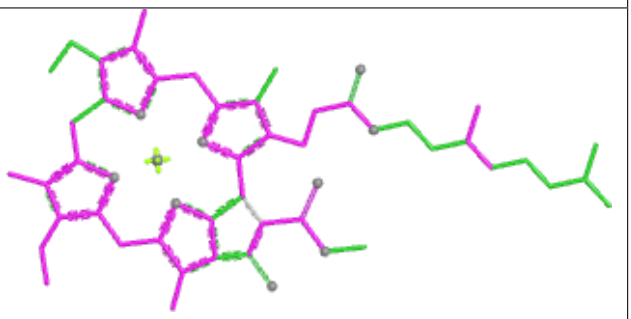


Rings

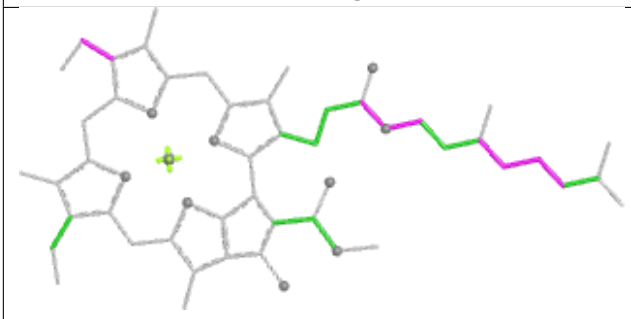
Ligand CLA dA 827



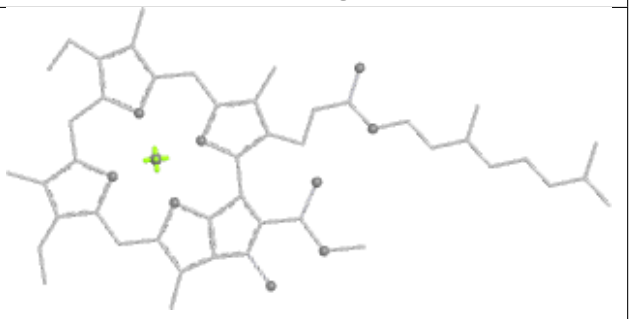
Bond lengths



Bond angles

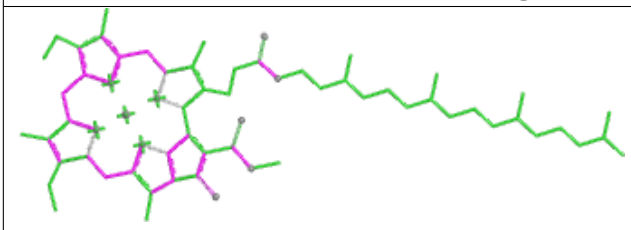


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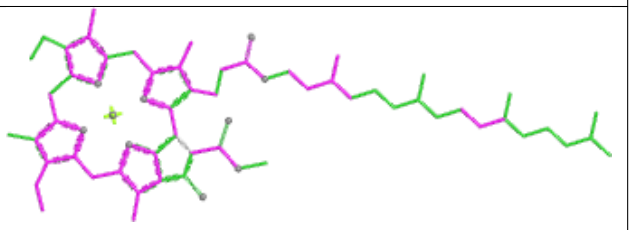


Rings

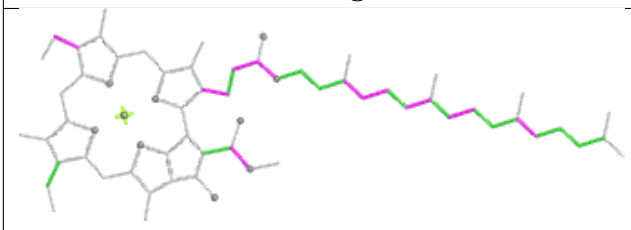
Ligand CLA aA 807



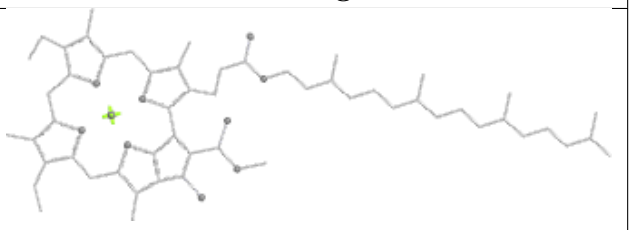
Bond lengths



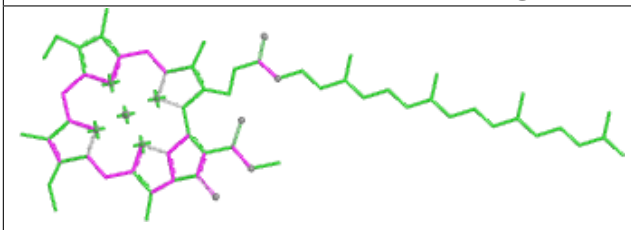
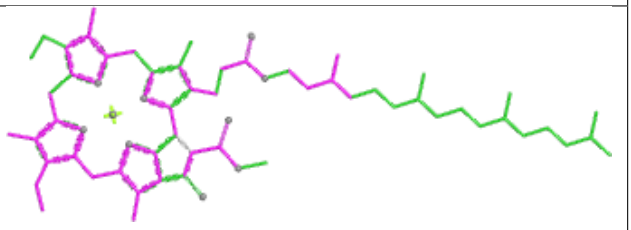
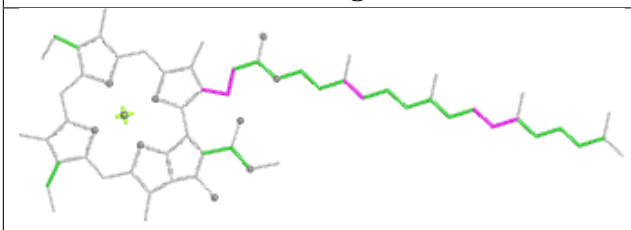
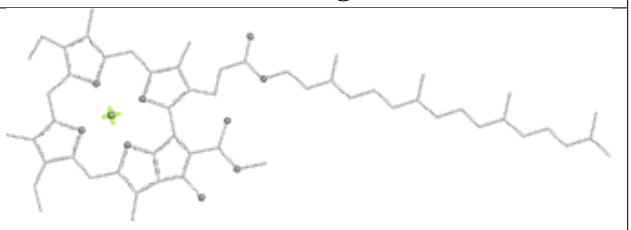
Bond angles

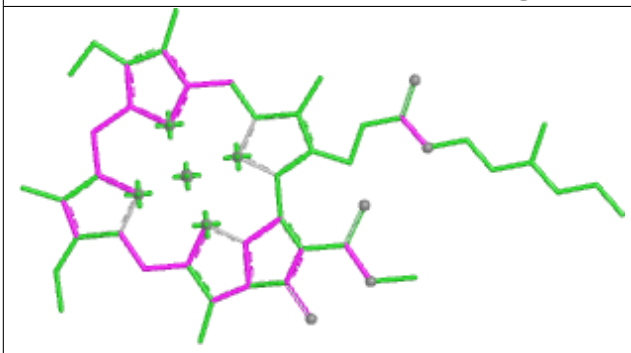
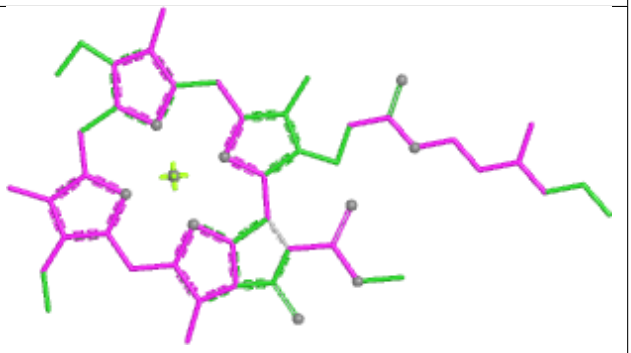
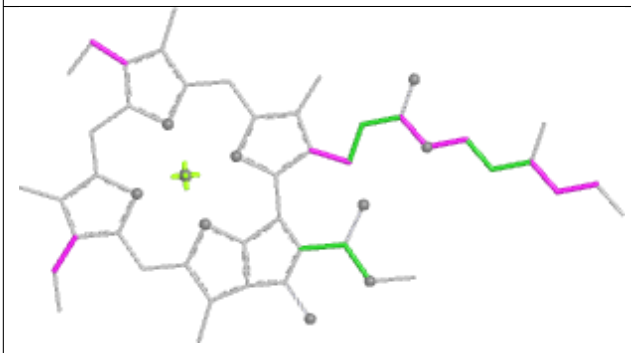
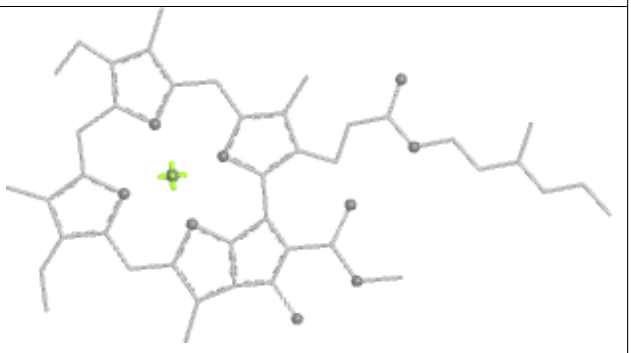


Torsions

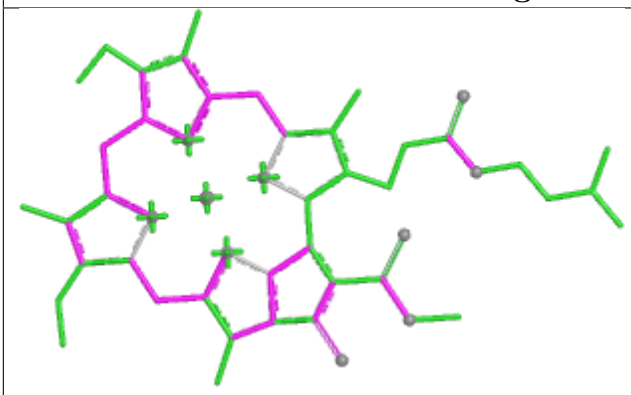


Rings

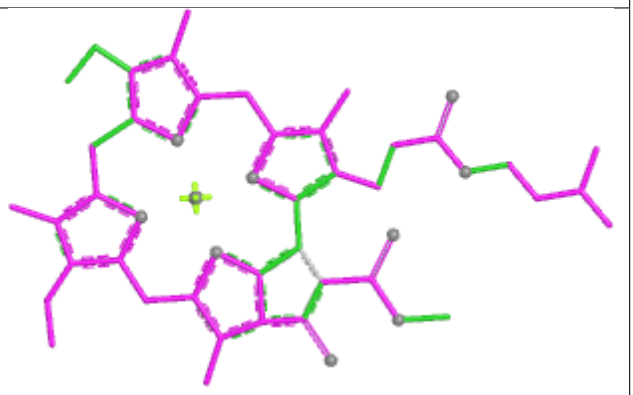
Ligand CLA bA 802	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA aA 843	
 Bond lengths	 Bond angles
 Torsions	 Rings

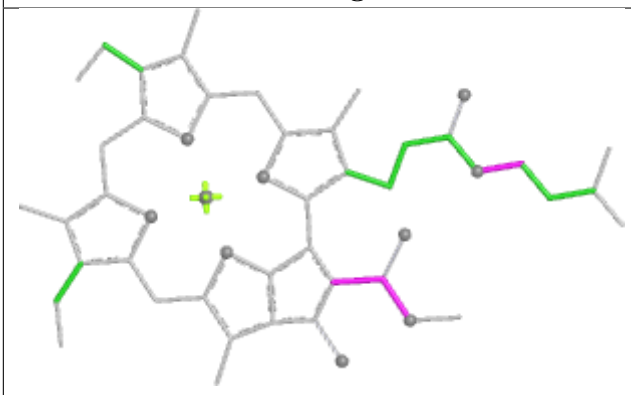
Ligand CLA dA 840



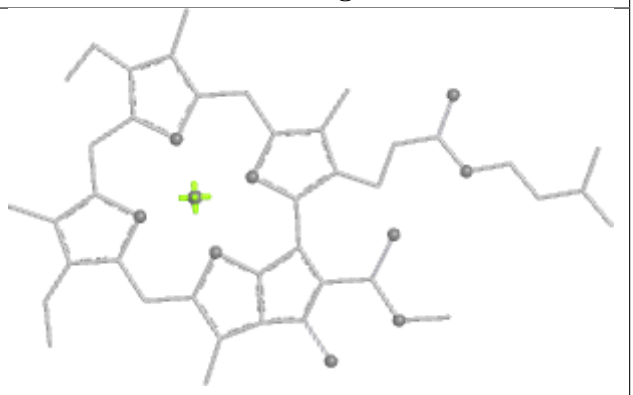
Bond lengths



Bond angles

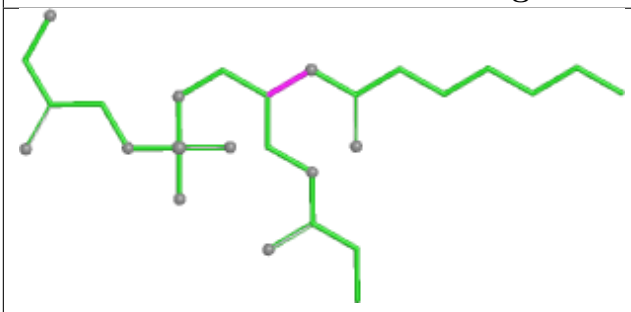


Torsions

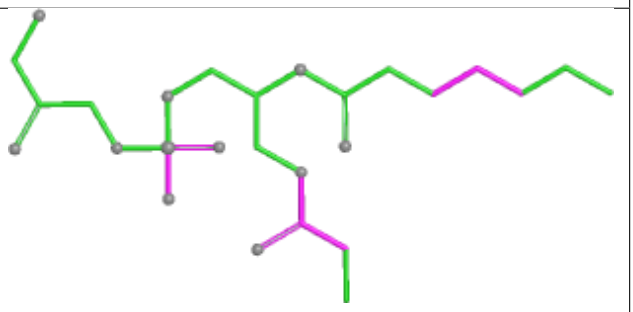


Rings

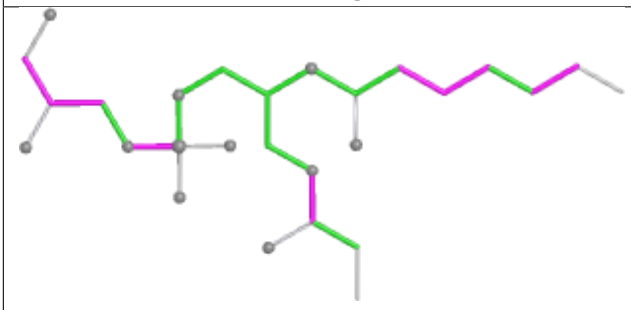
Ligand LHG bA 853



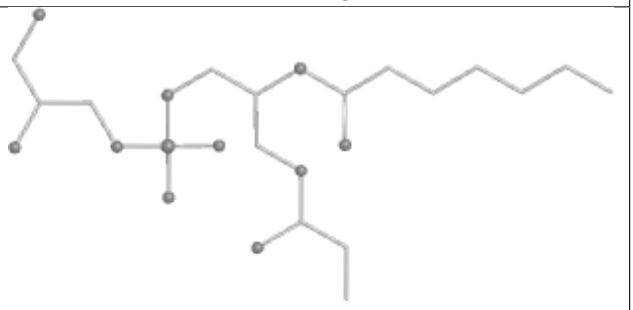
Bond lengths



Bond angles

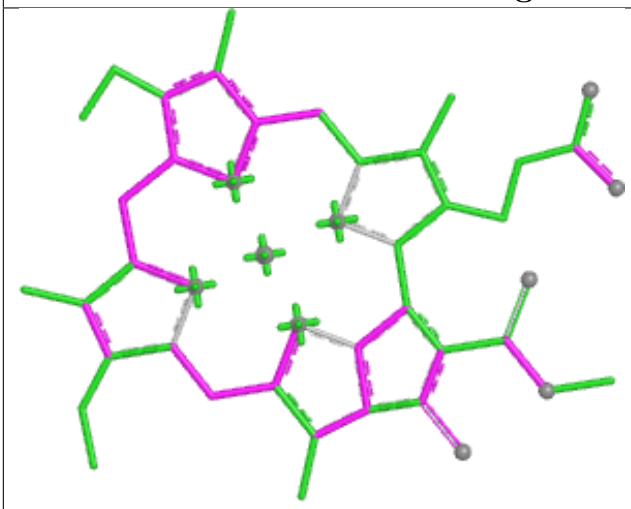


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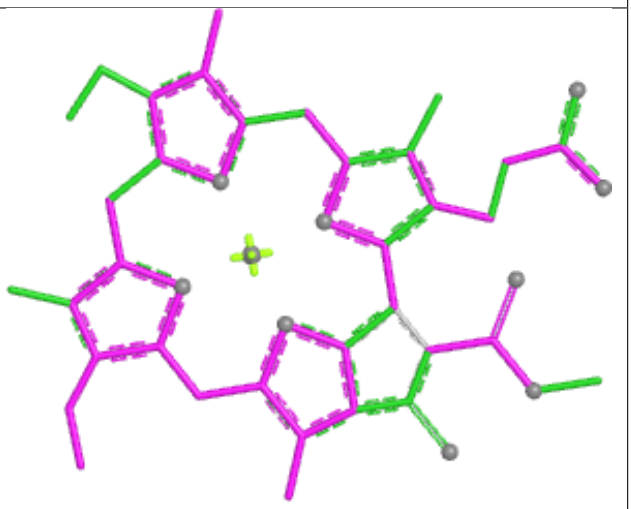


Rings

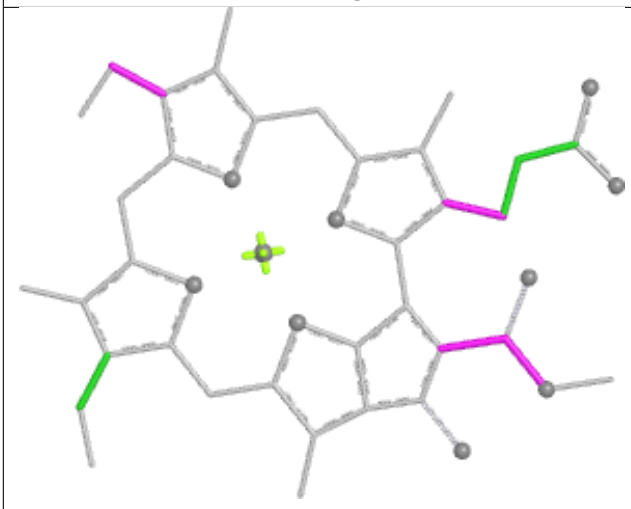
Ligand CLA cK 203



Bond lengths



Bond angles

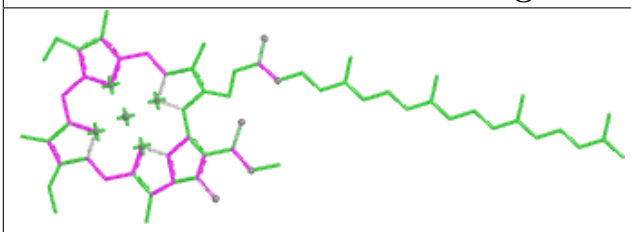


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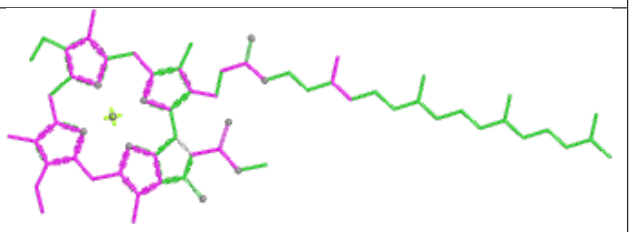


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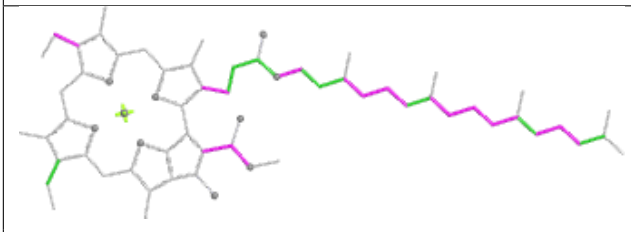
Ligand CLA aA 840



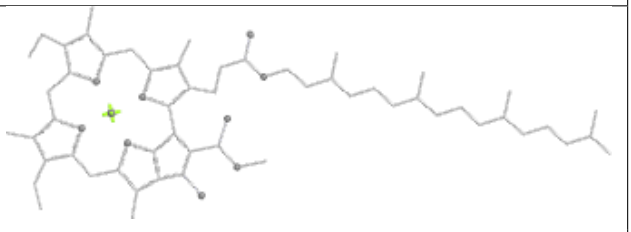
Bond lengths



Bond angles

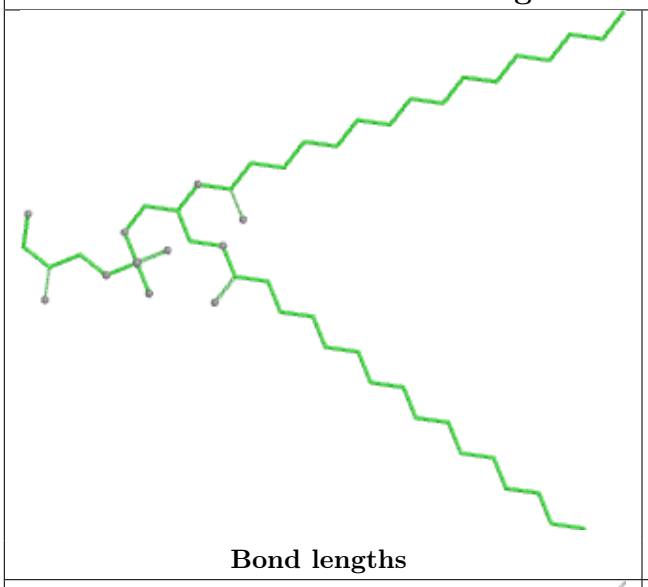


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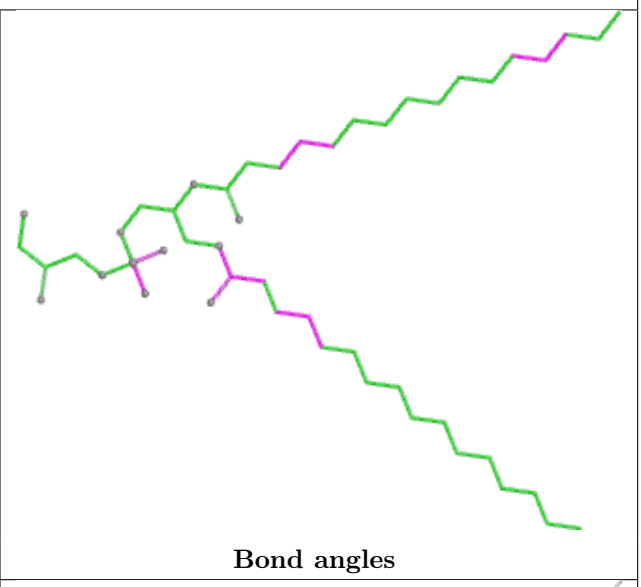


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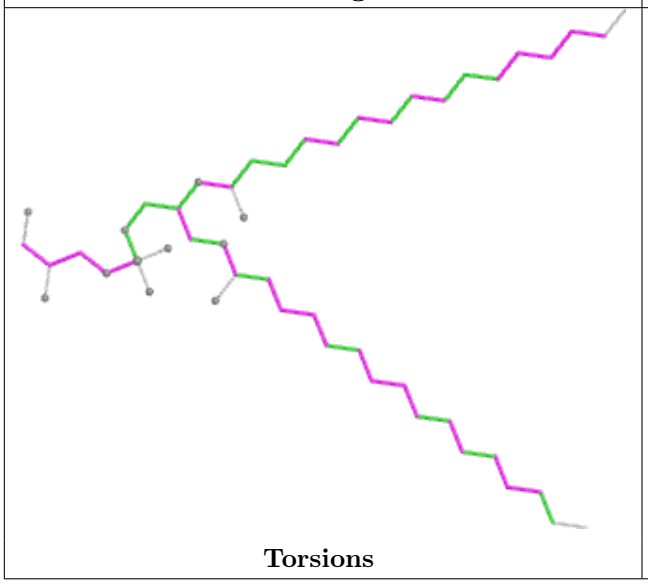
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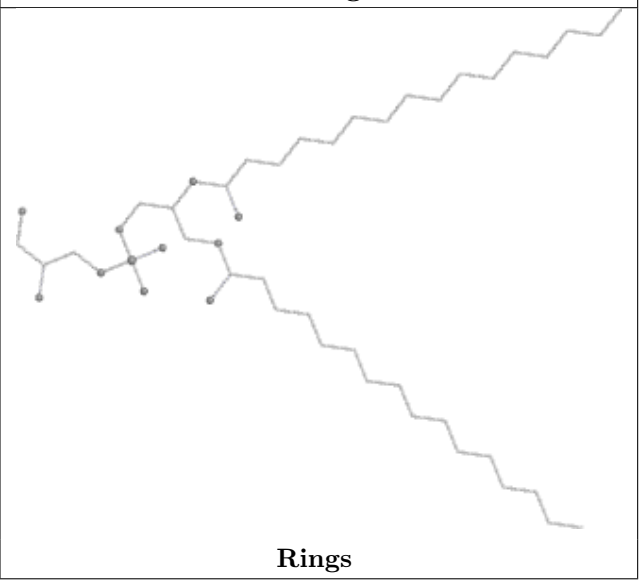
Bond lengths



Bond angles

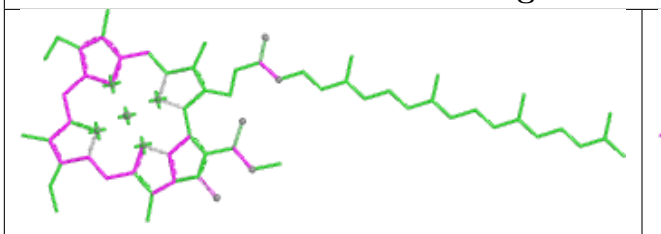


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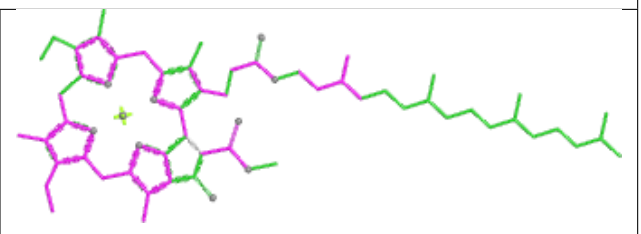


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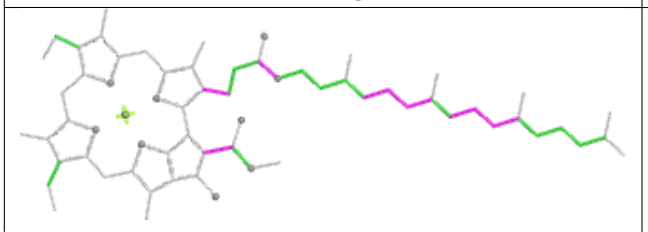
Ligand CLA cB 824



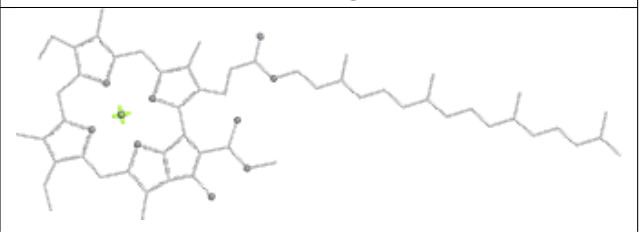
Bond lengths



Bond angles

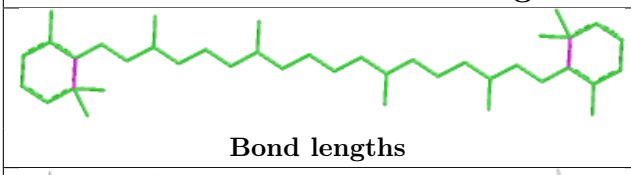


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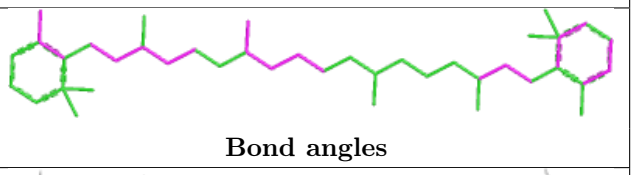


Rings

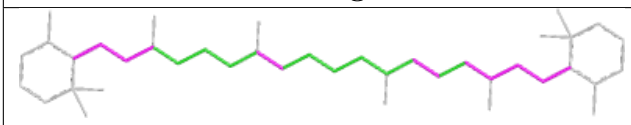
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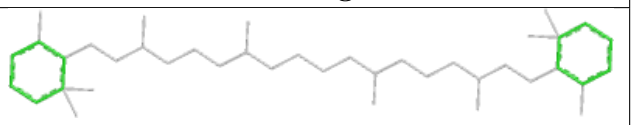
Bond lengths



Bond angles

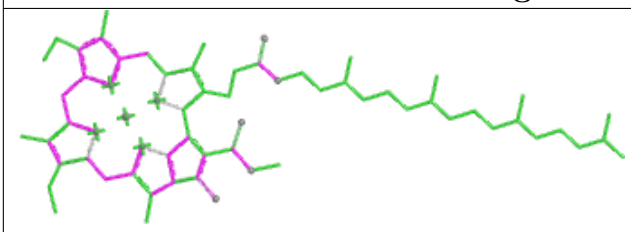


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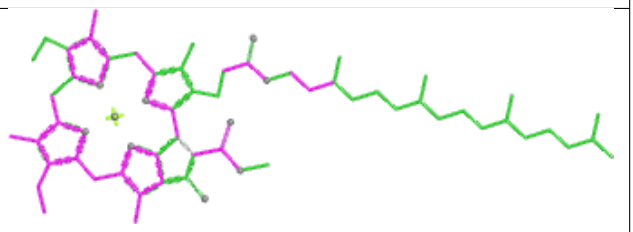


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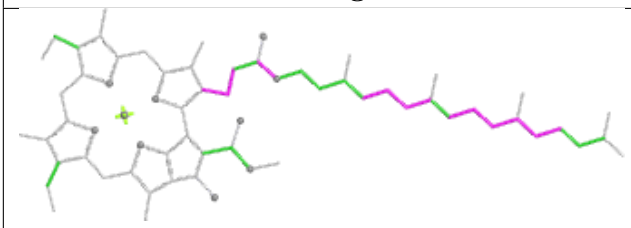
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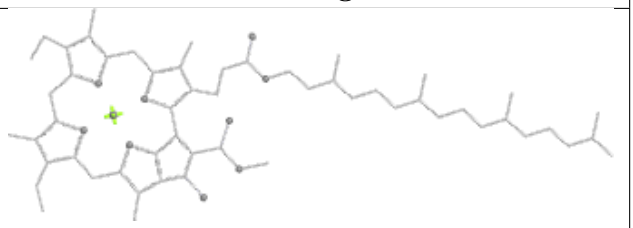
Bond lengths



Bond angles

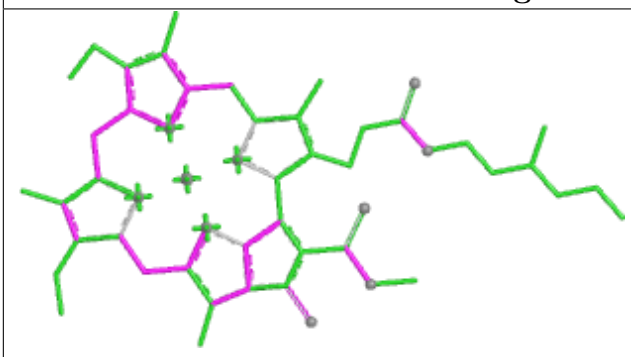


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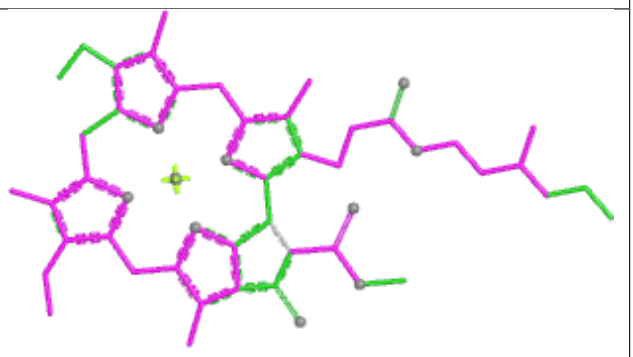


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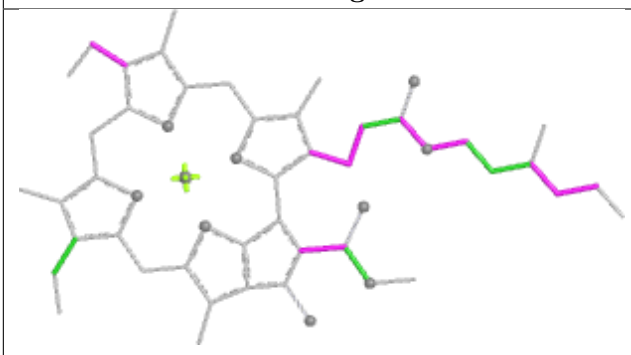
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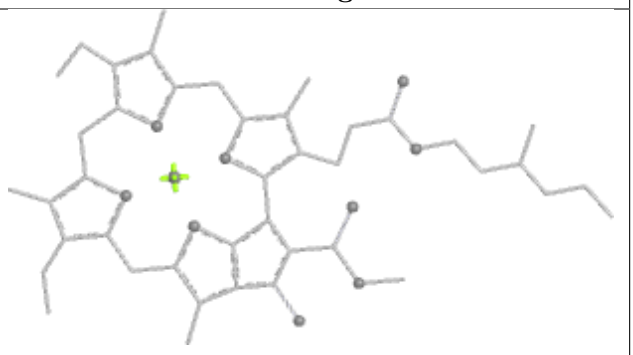
Bond lengths



Bond angles

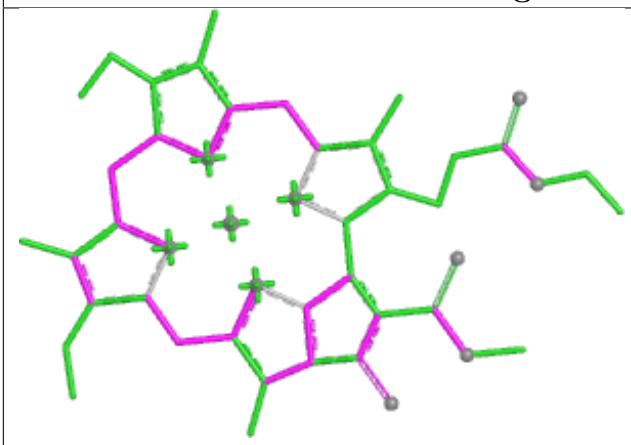


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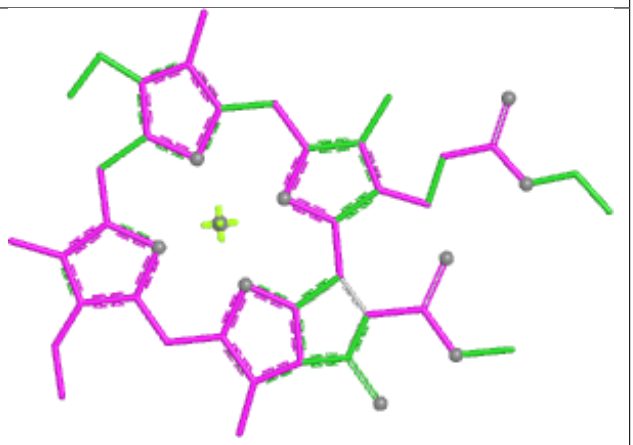


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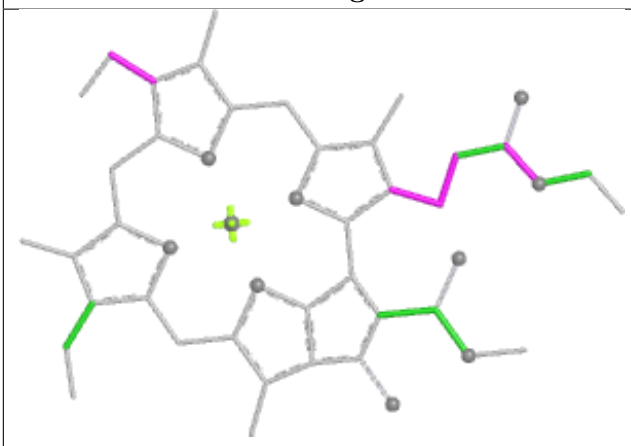
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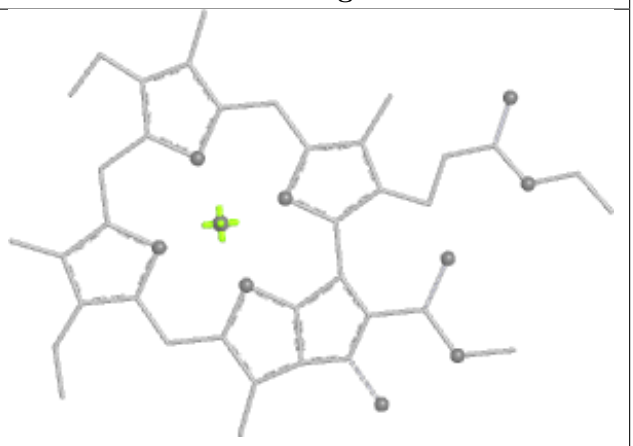
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Bond angles

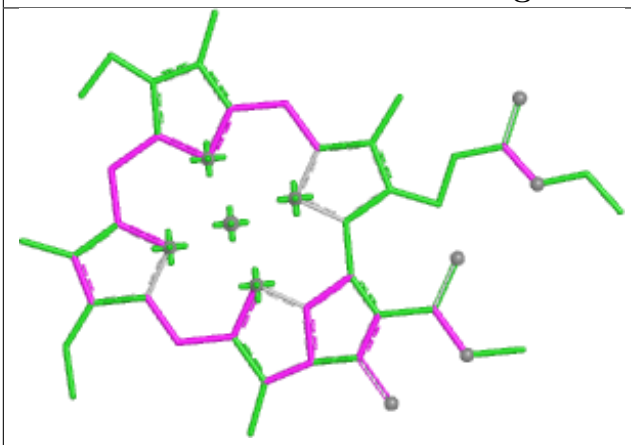


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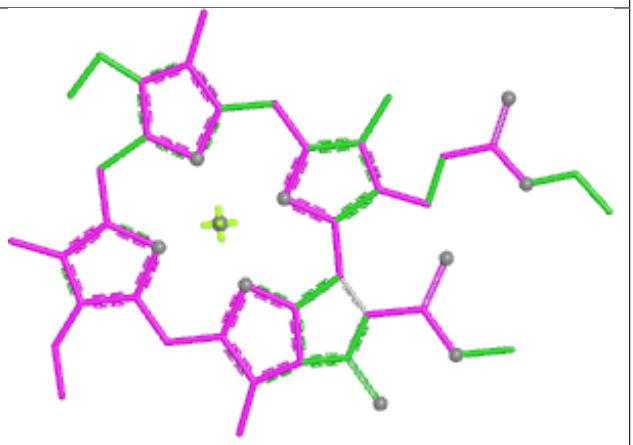


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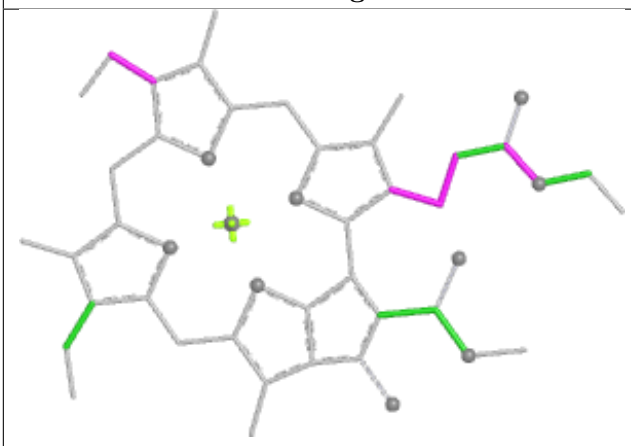
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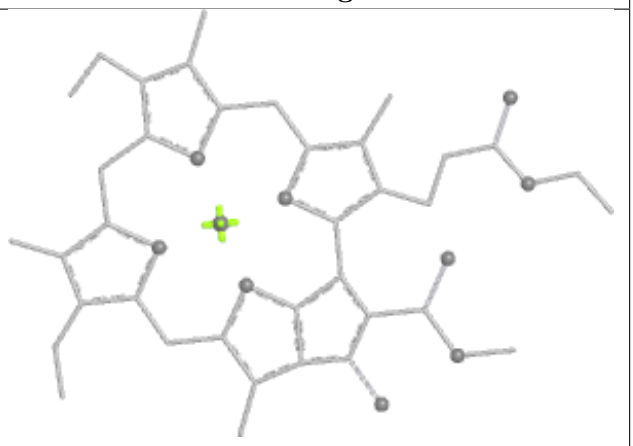
Bond lengths



Bond angles

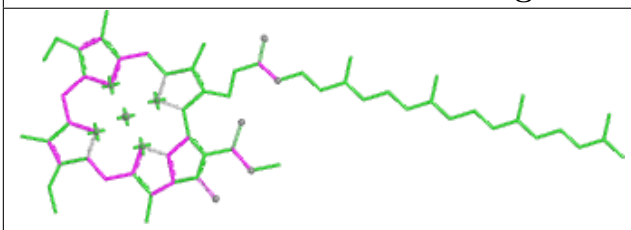


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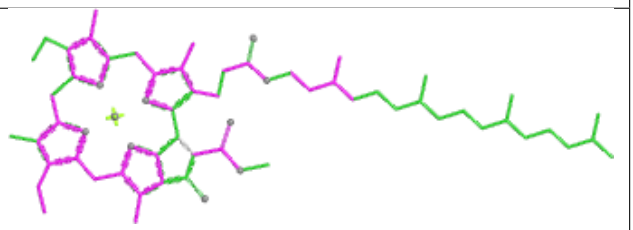


Rings

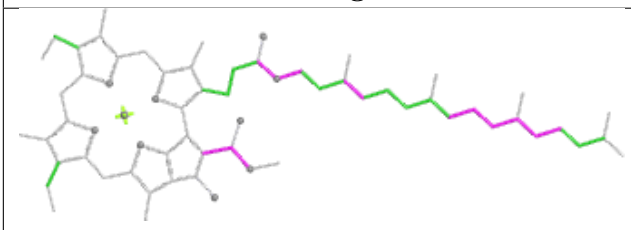
Ligand CLA aA 831



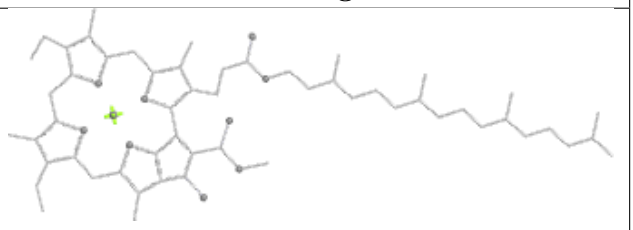
Bond lengths



Bond angles

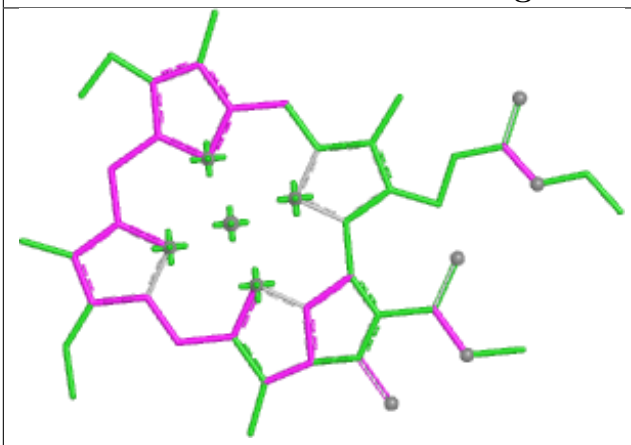


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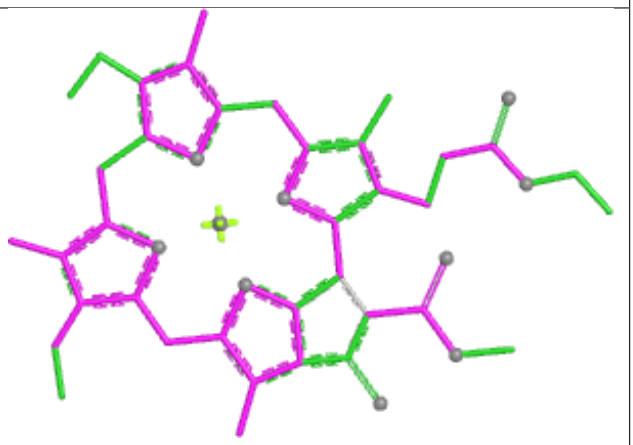


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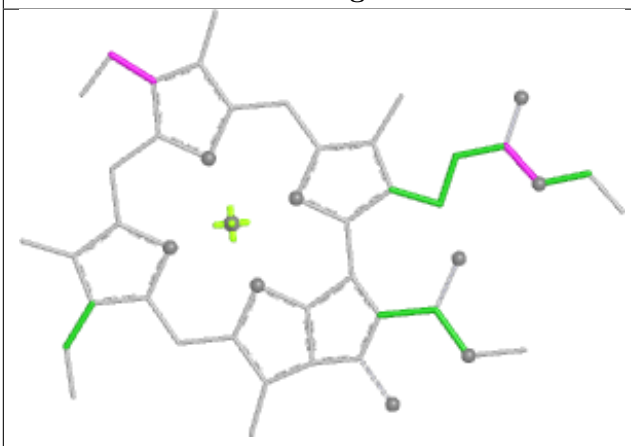
Ligand CLA bB 830



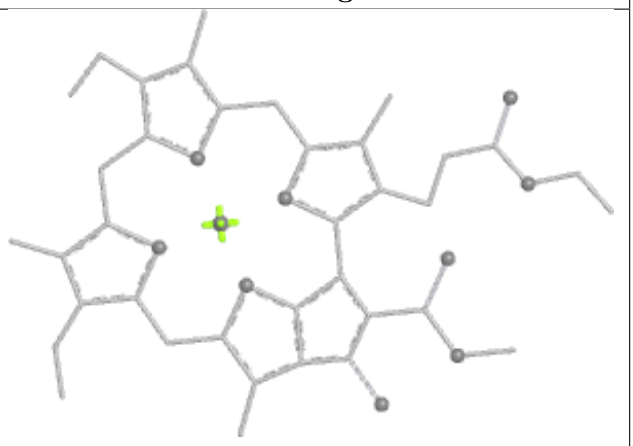
Bond lengths



Bond angles

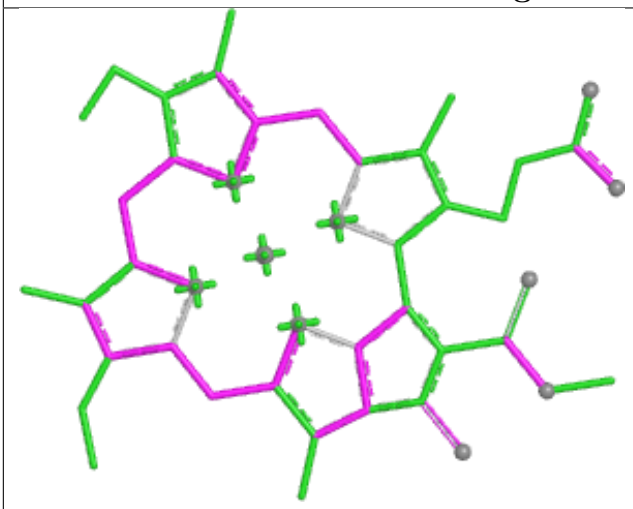


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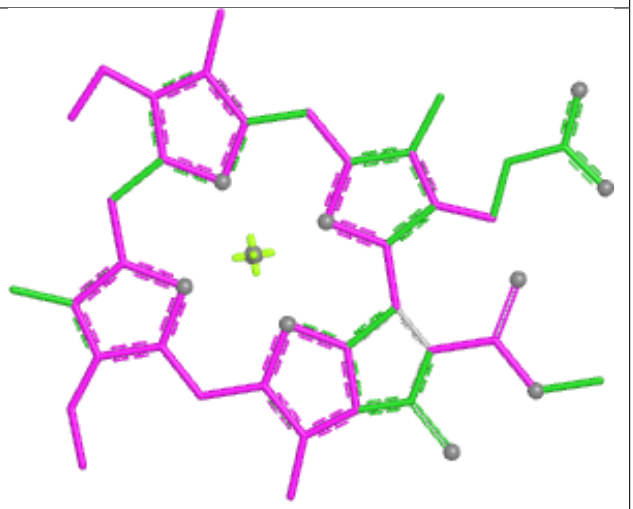


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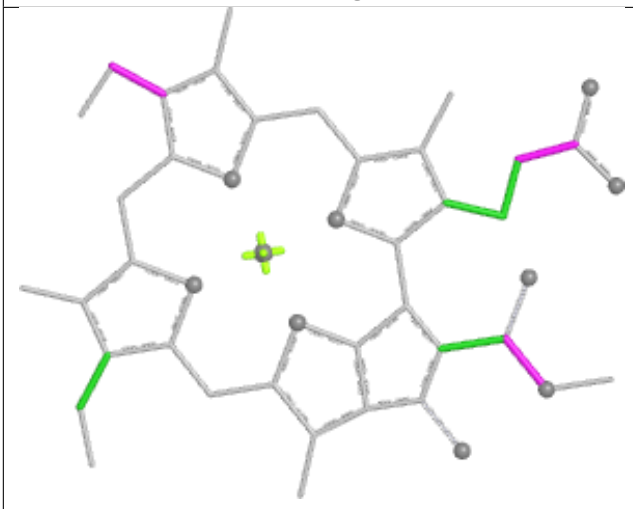
Ligand CLA bA 815



Bond lengths



Bond angles

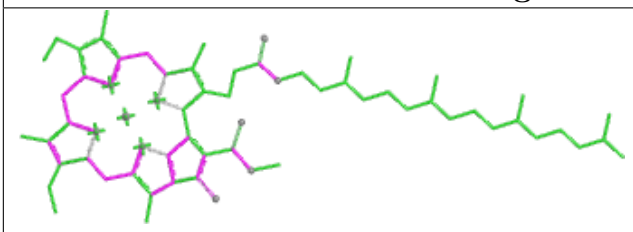


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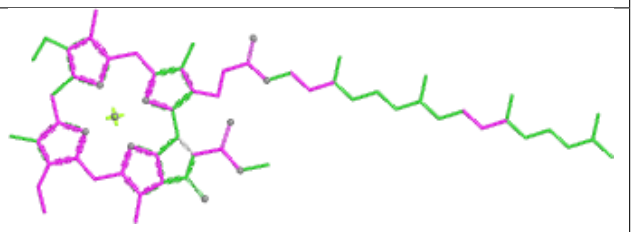


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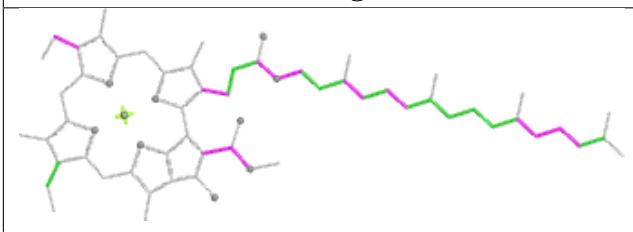
Ligand CLA bA 835



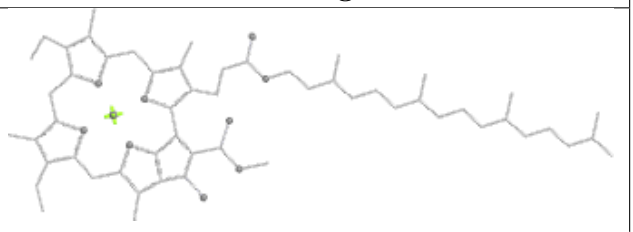
Bond lengths



Bond angles

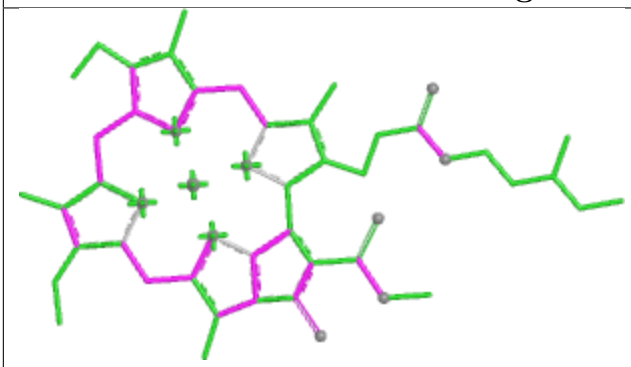


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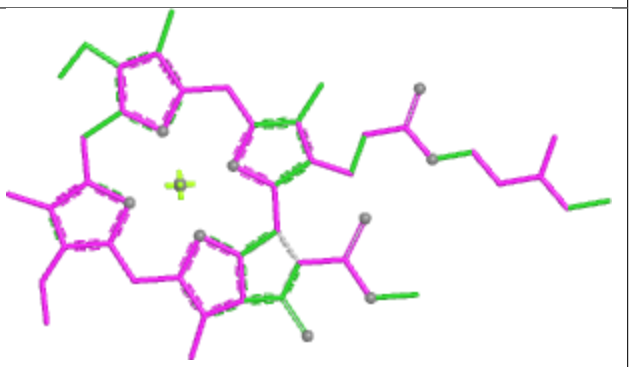


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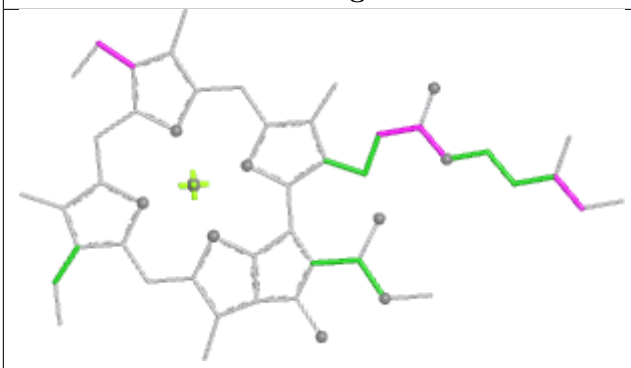
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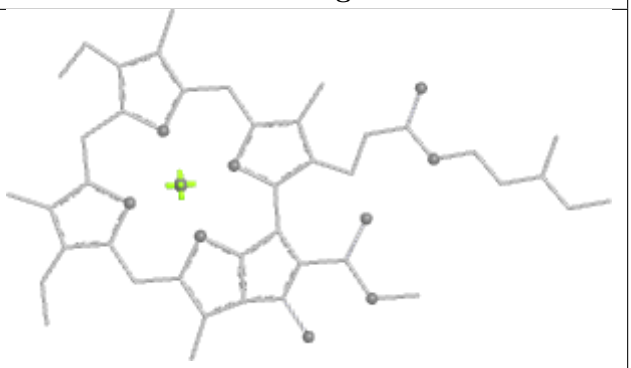
Bond lengths



Bond angles

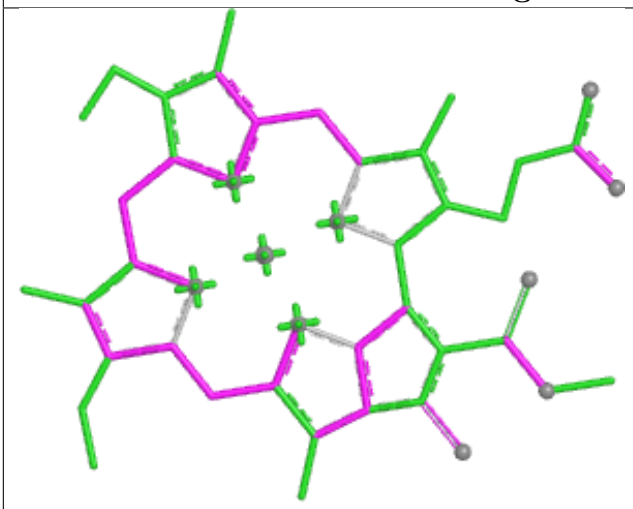


Torsions

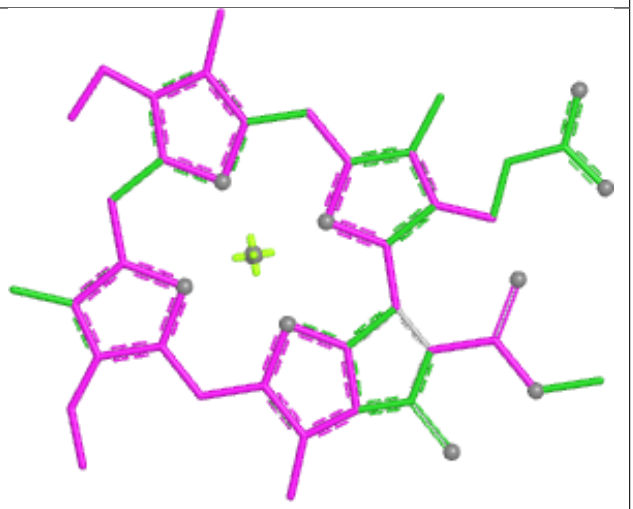


Rings

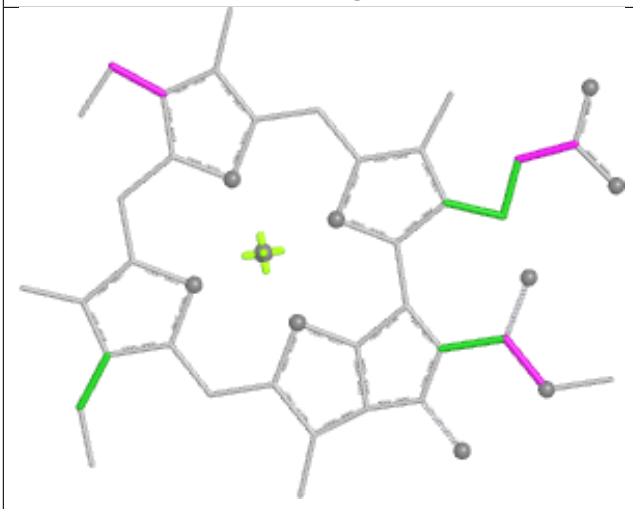
Ligand CLA dA 815



Bond lengths



Bond angles

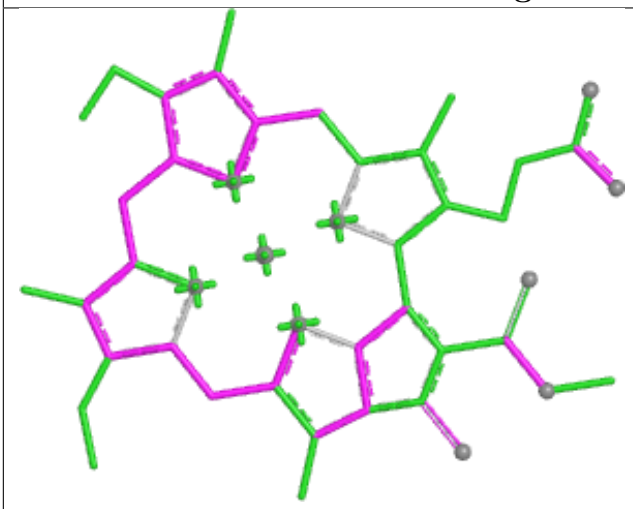


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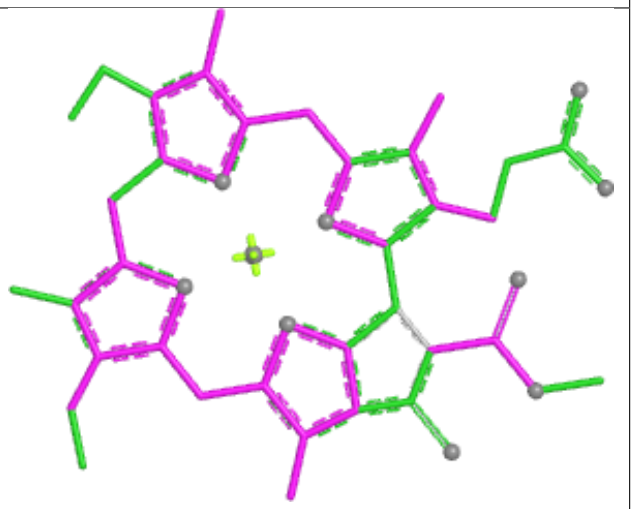


Rings

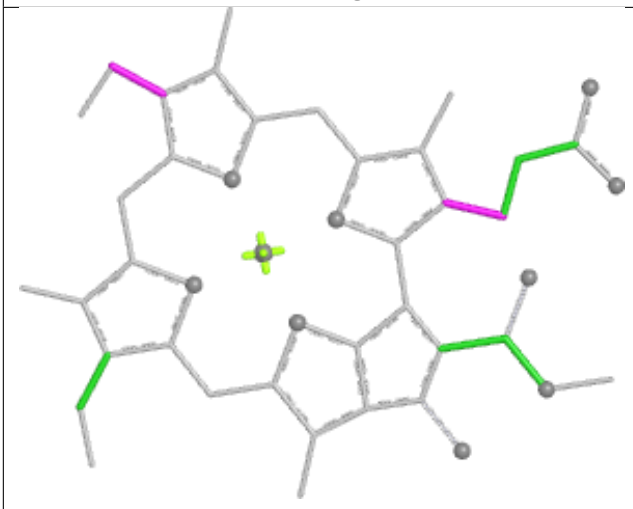
Ligand CLA dB 812



Bond lengths



Bond angles

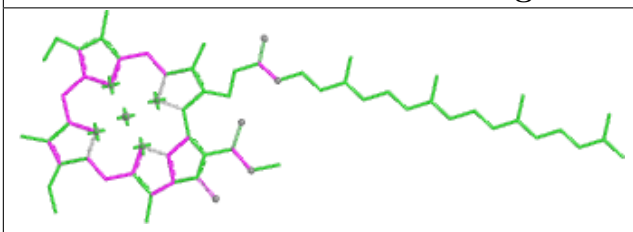


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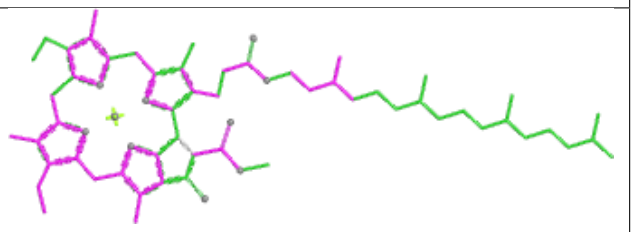


Rings

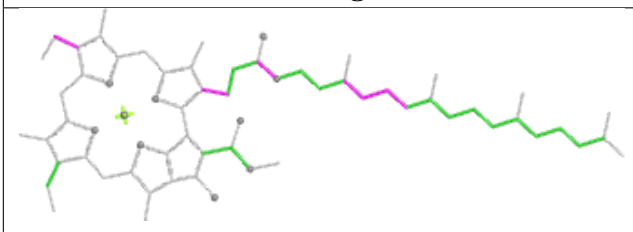
Ligand CLA aA 833



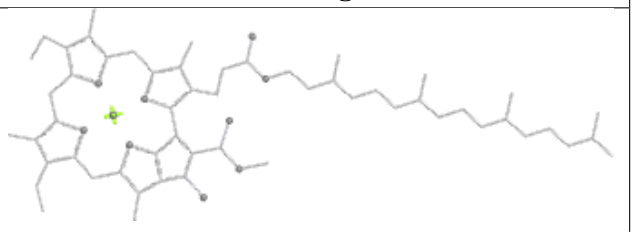
Bond lengths



Bond angles

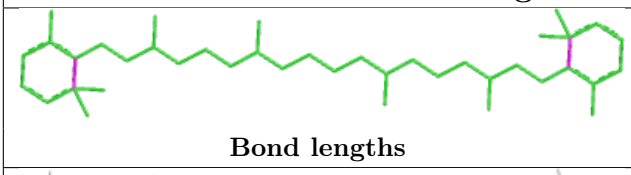


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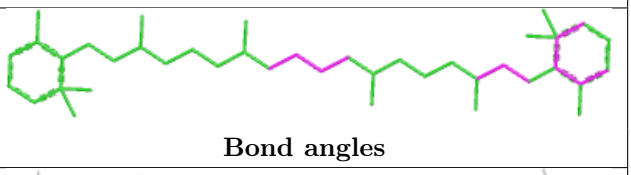


Rings

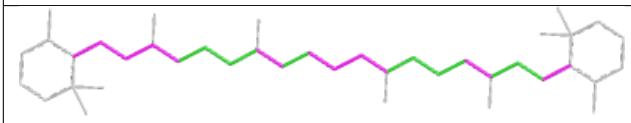
Ligand BCR cB 836



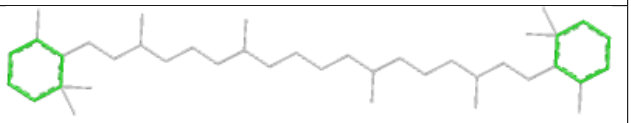
Bond lengths



Bond angles



Torsions

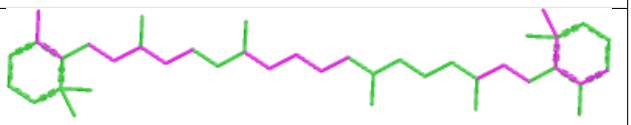


Rings

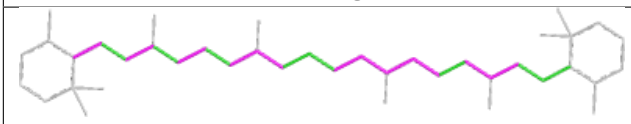
Ligand BCR aA 845



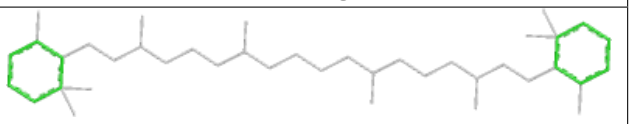
Bond lengths



Bond angles

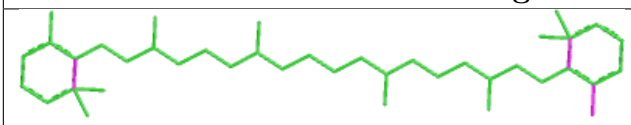


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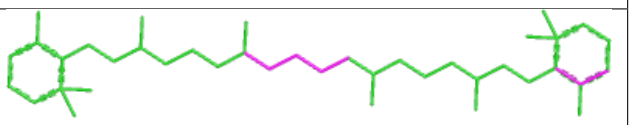


Rings

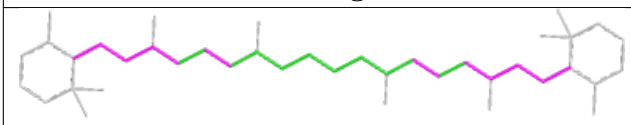
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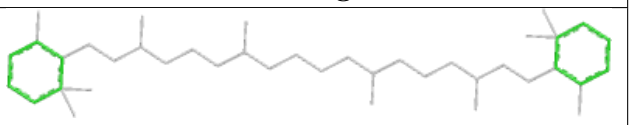
Bond lengths



Bond angles

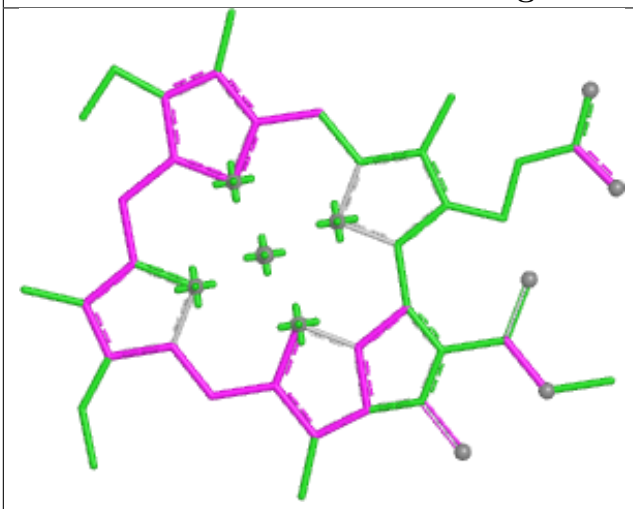


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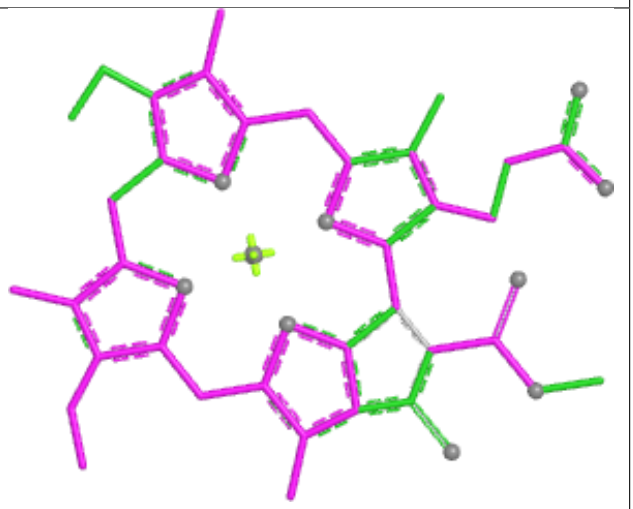


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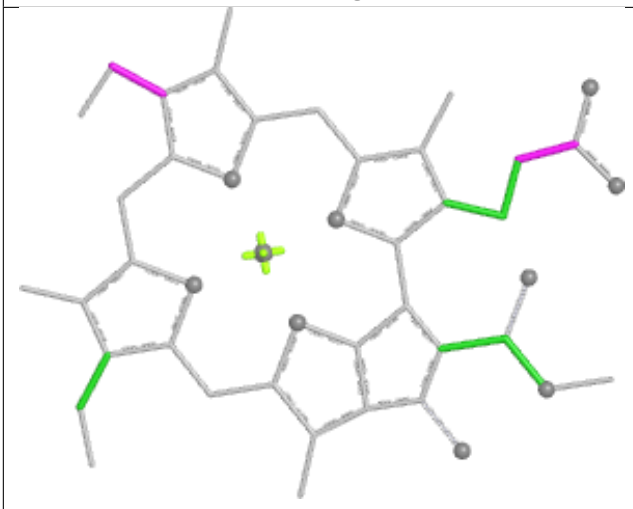
Ligand CLA aF 204



Bond lengths



Bond angles

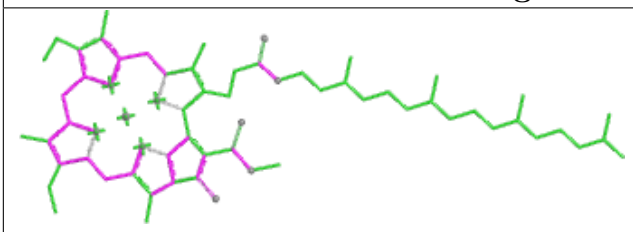


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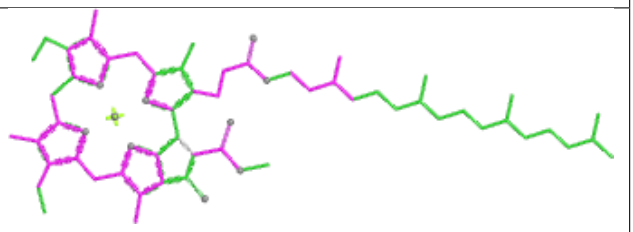


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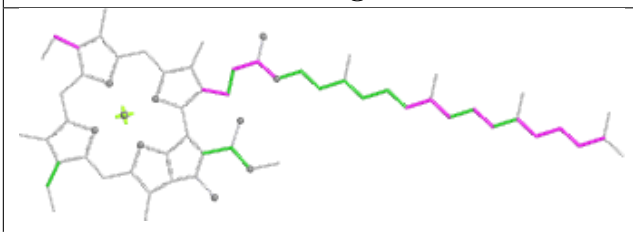
Ligand CLA dA 842



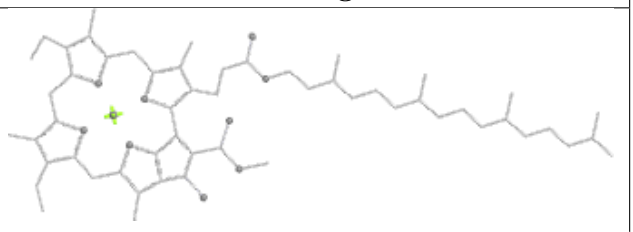
Bond lengths



Bond angles

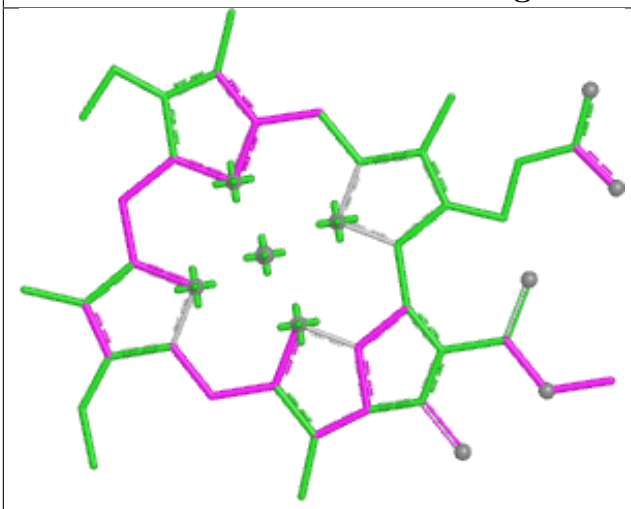


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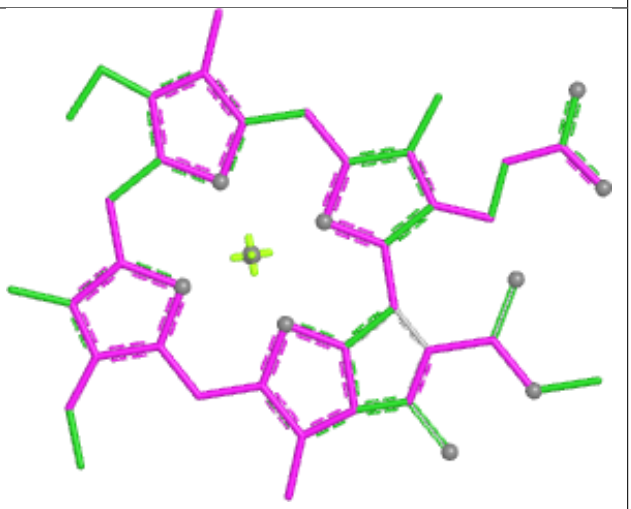


Rings

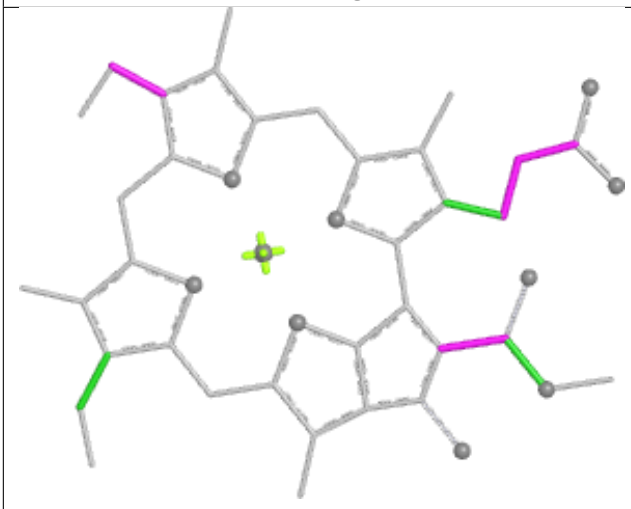
Ligand CLA dA 814



Bond lengths



Bond angles

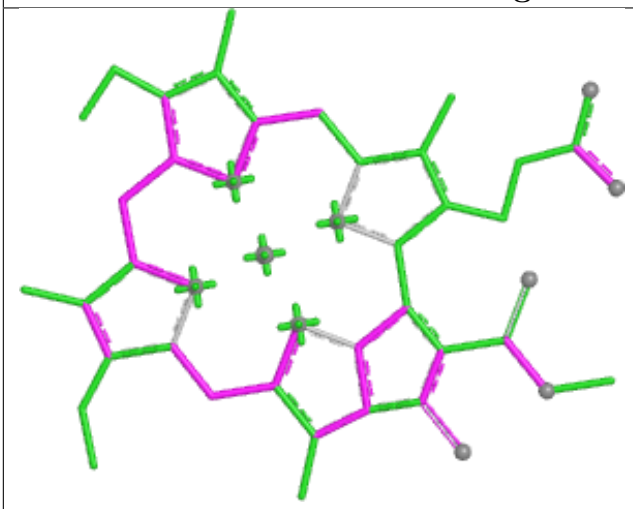


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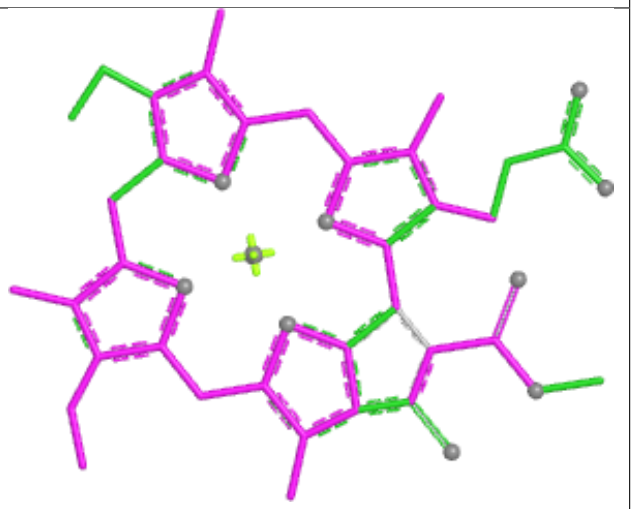


Rings

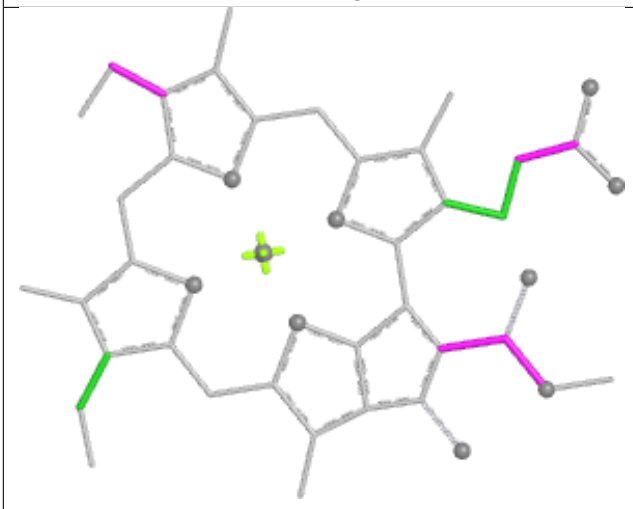
Ligand CLA bA 837



Bond lengths



Bond angles

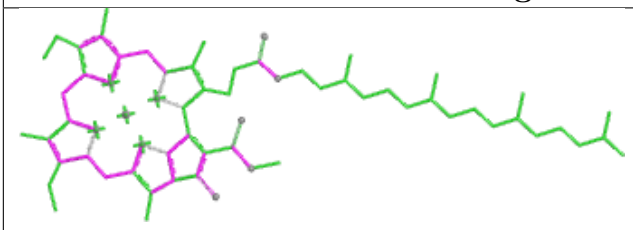


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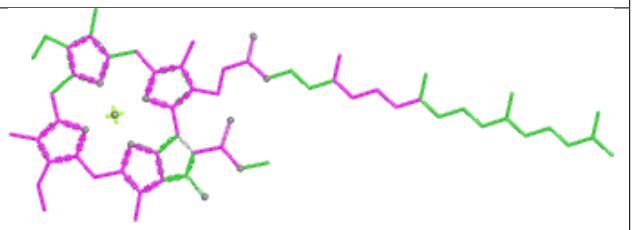


Rings

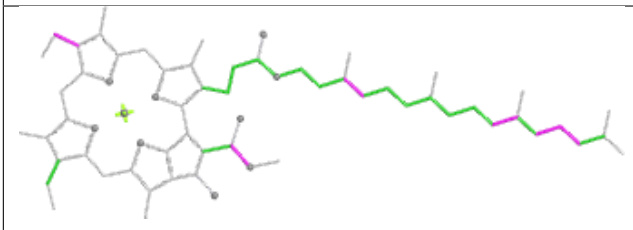
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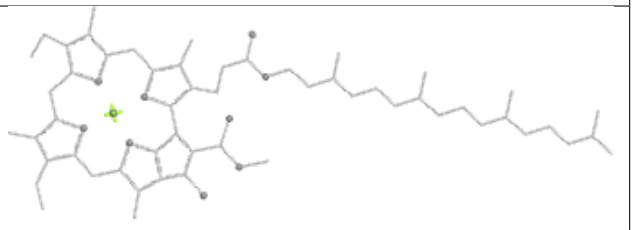
Bond lengths



Bond angles

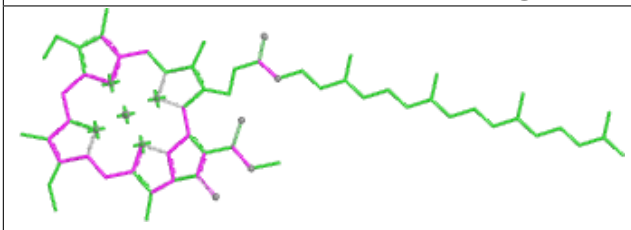


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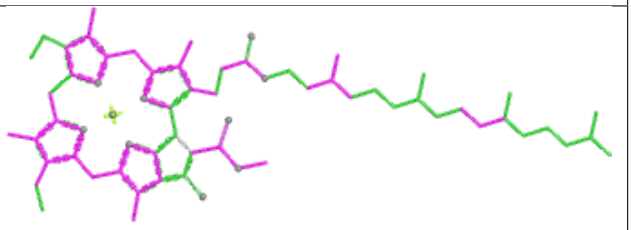


Rings

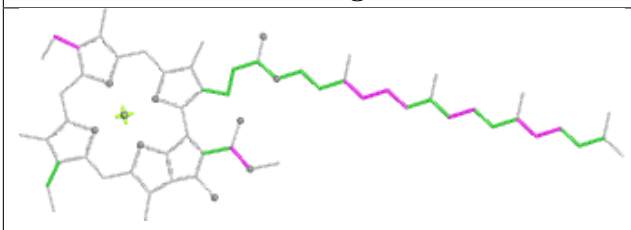
Ligand CLA aB 803



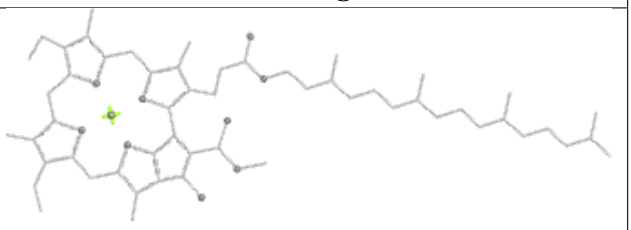
Bond lengths



Bond angles

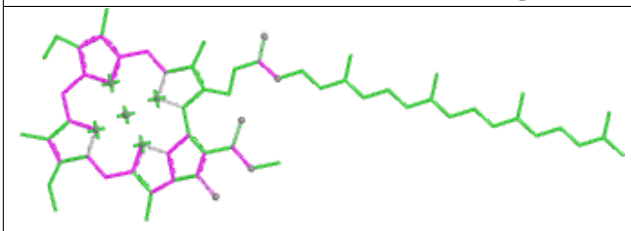


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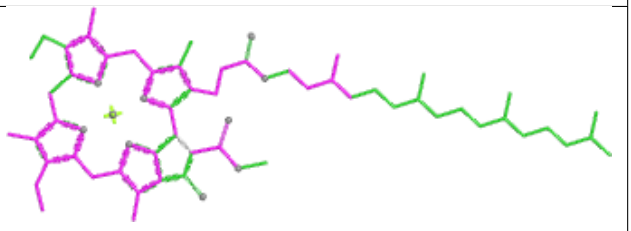


Rings

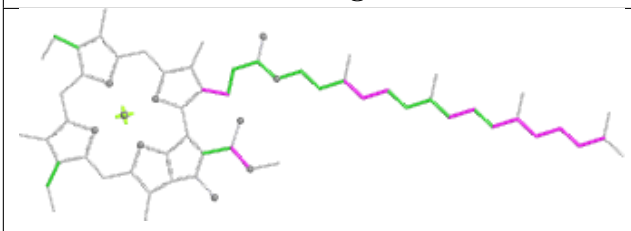
Ligand CLA bA 829



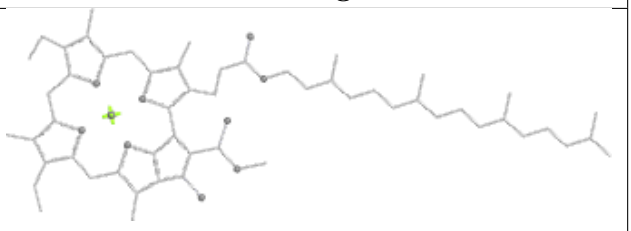
Bond lengths



Bond angles

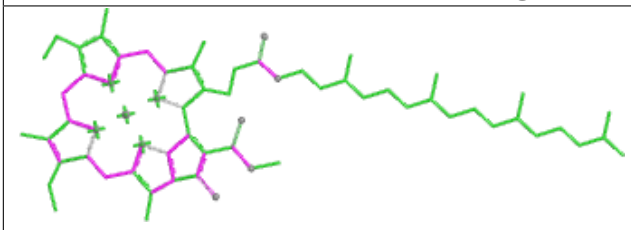


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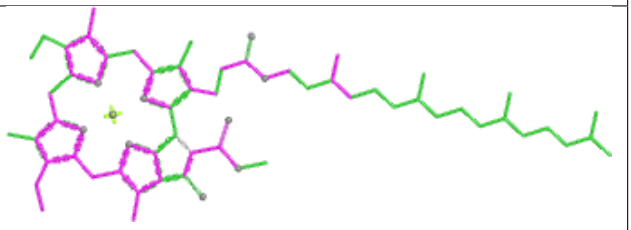


Rings

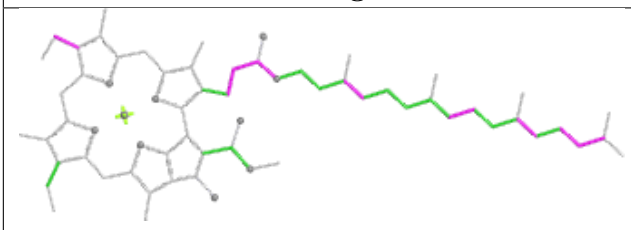
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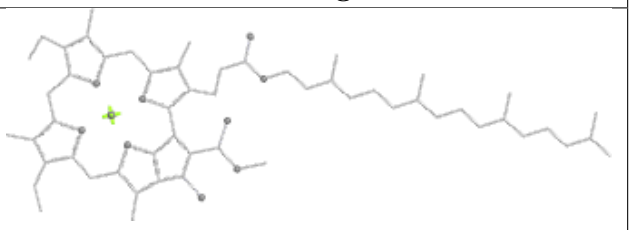
Bond lengths



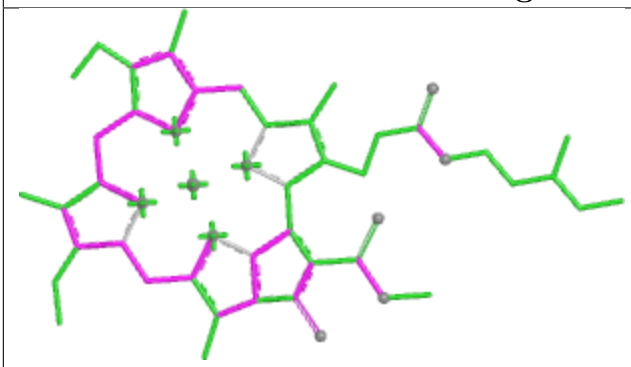
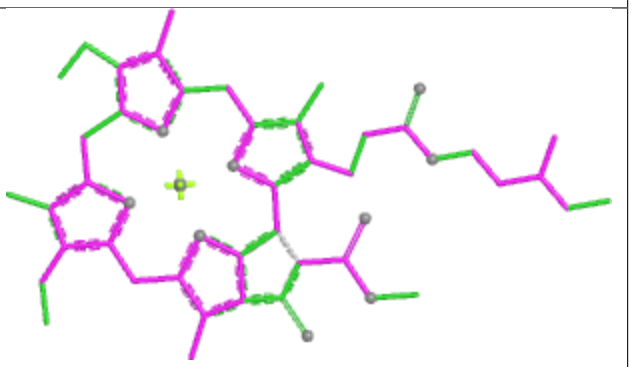
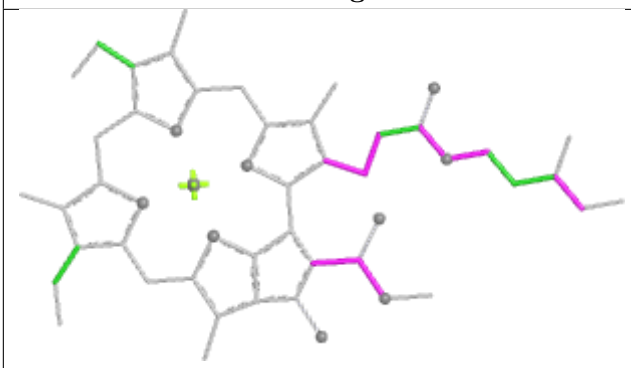
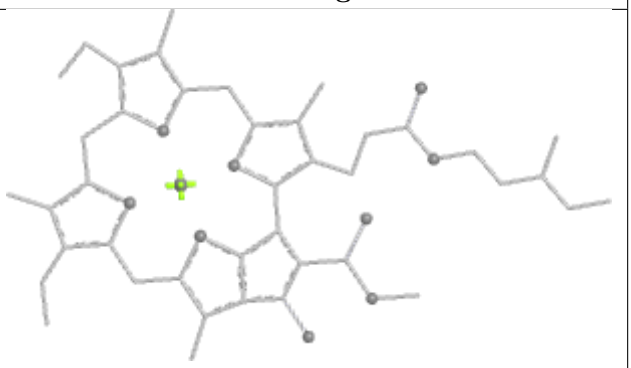
Bond angles

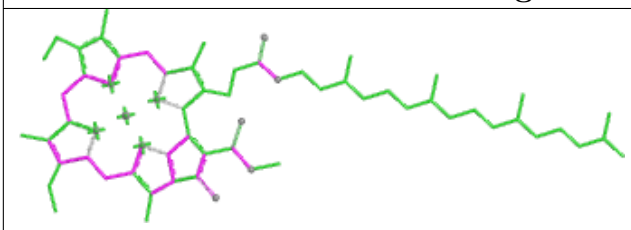
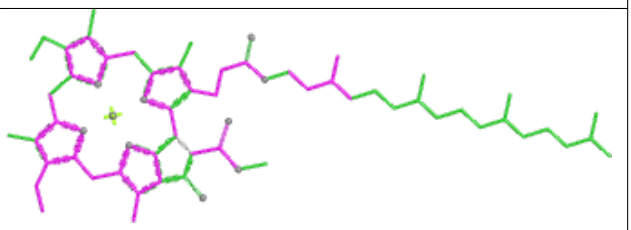
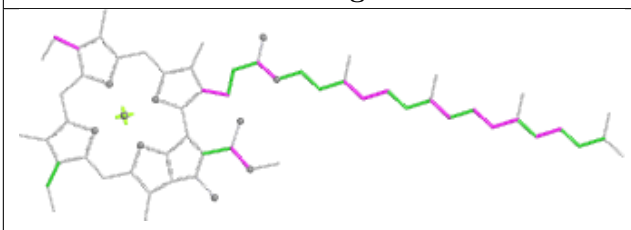
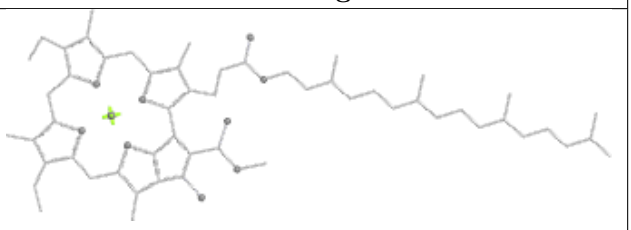


Torsions

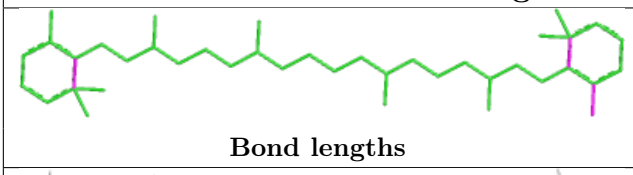


Rings

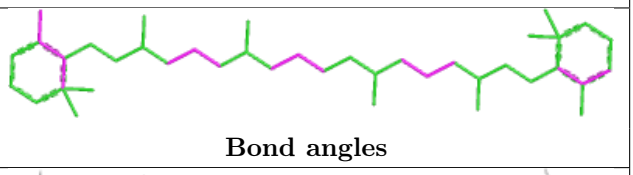
Ligand CLA cA 838	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA aA 820	
	
Bond lengths	Bond angles
	
Torsions	Rings

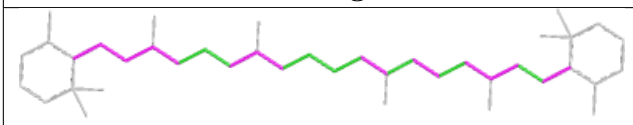
Ligand BCR bB 836



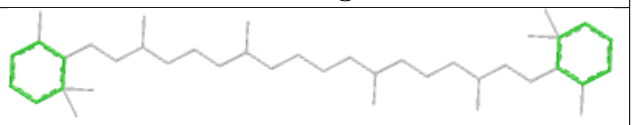
Bond lengths



Bond angles

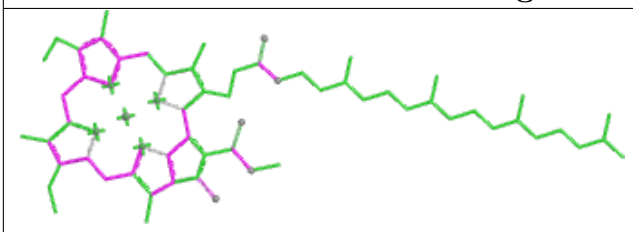


Torsions

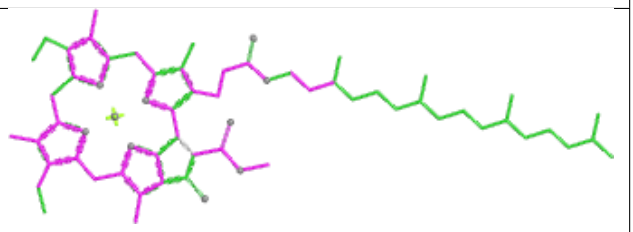


Rings

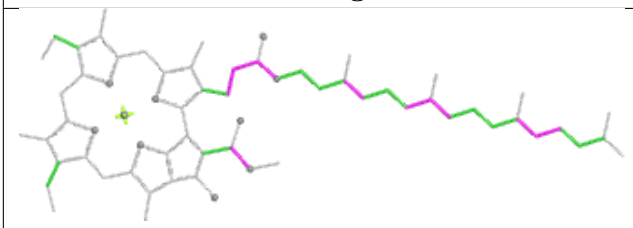
Ligand CLA cB 822



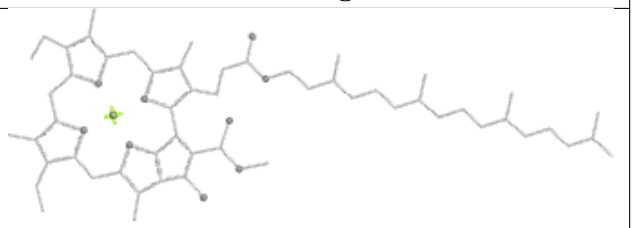
Bond lengths



Bond angles

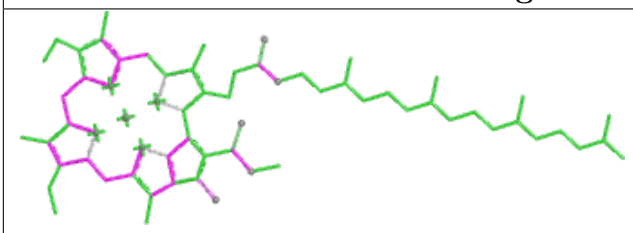


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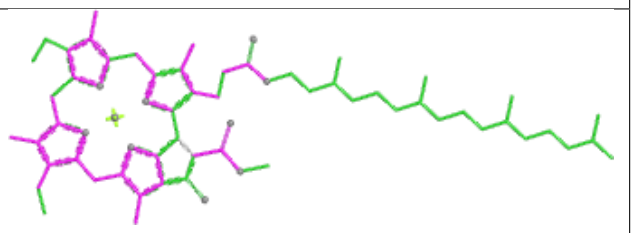


Rings

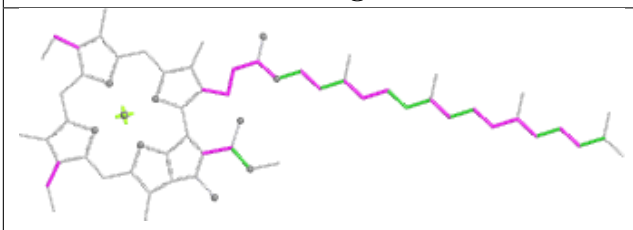
Ligand CLA aB 834



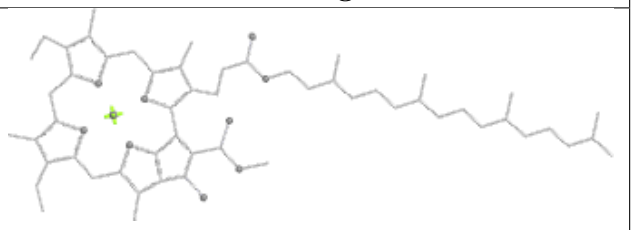
Bond lengths



Bond angles

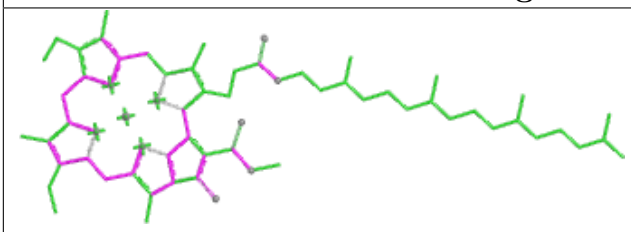


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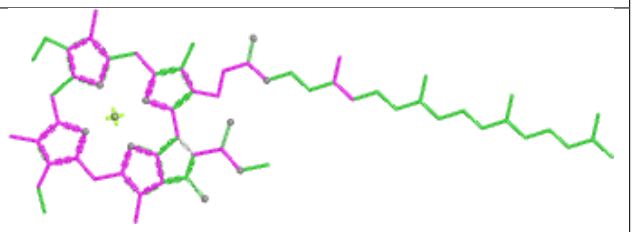


Rings

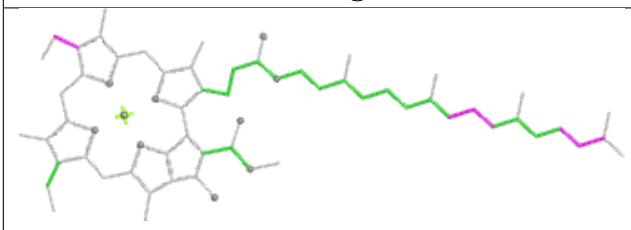
Ligand CLA aB 805



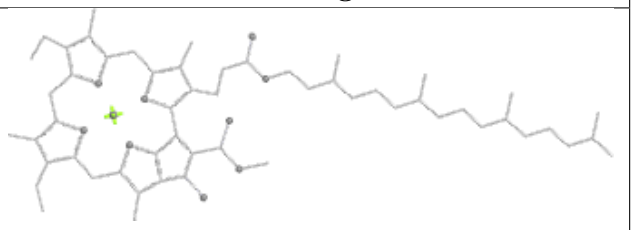
Bond lengths



Bond angles

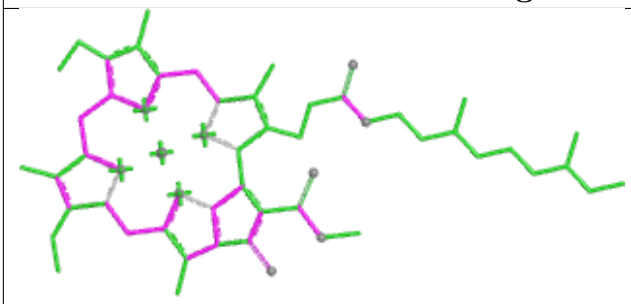


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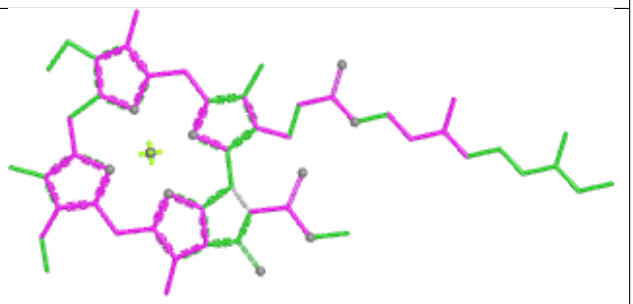


Rings

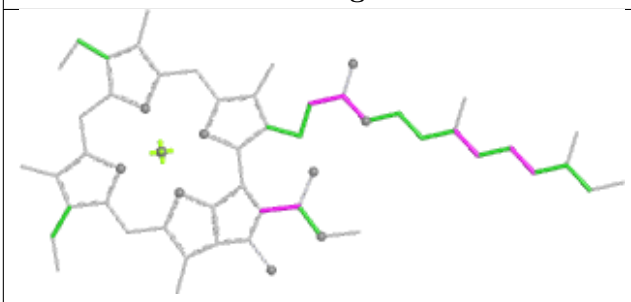
Ligand CLA cA 839



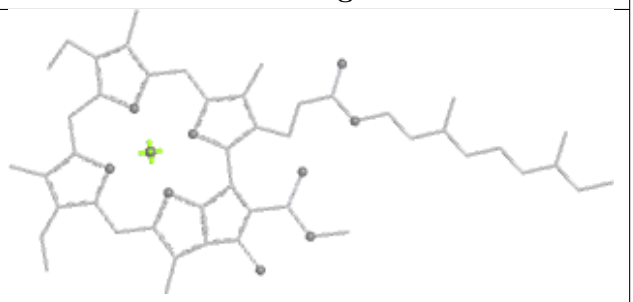
Bond lengths



Bond angles

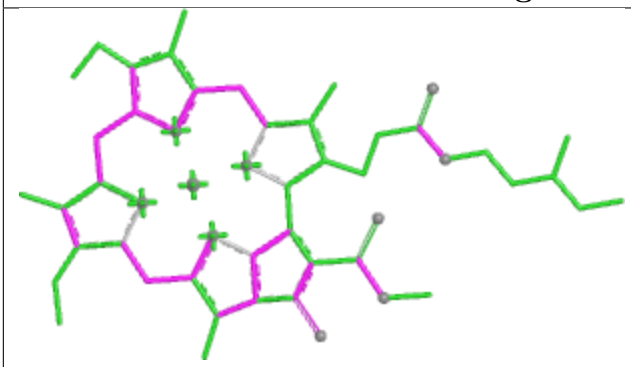


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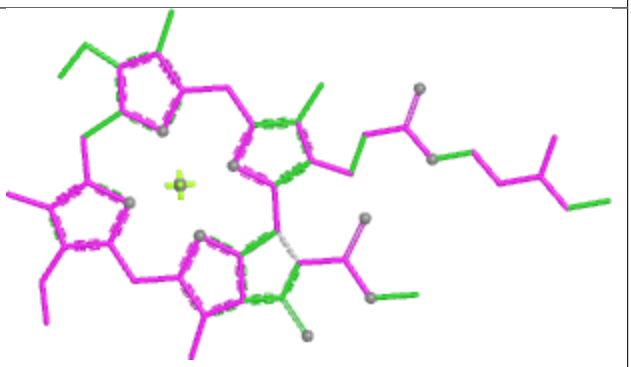


Rings

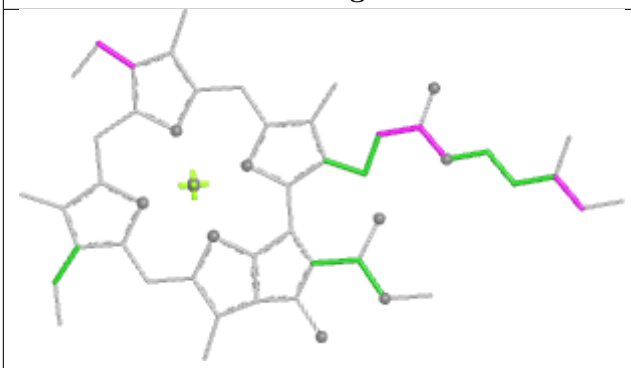
Ligand CLA aA 824



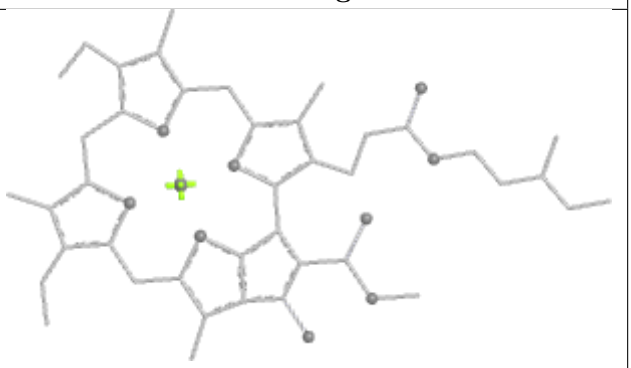
Bond lengths



Bond angles

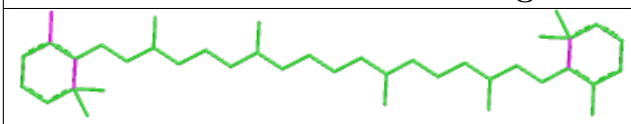


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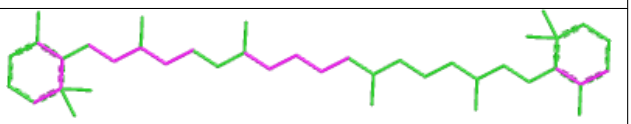


Rings

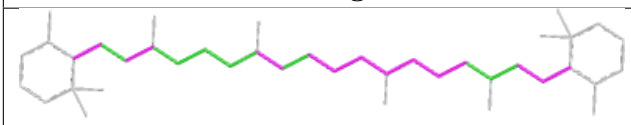
Ligand BCR bJ 104



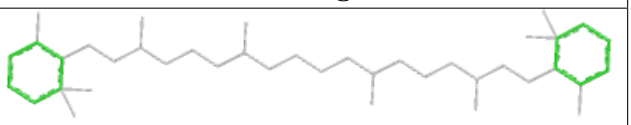
Bond lengths



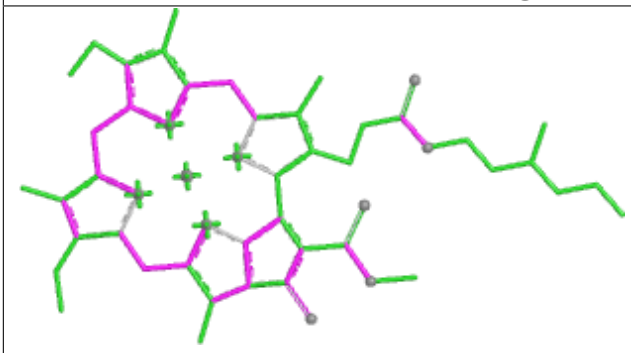
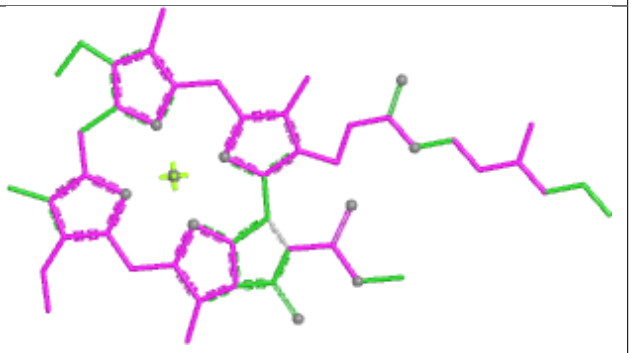
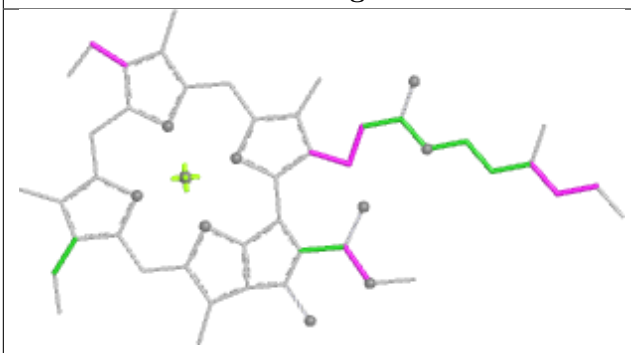
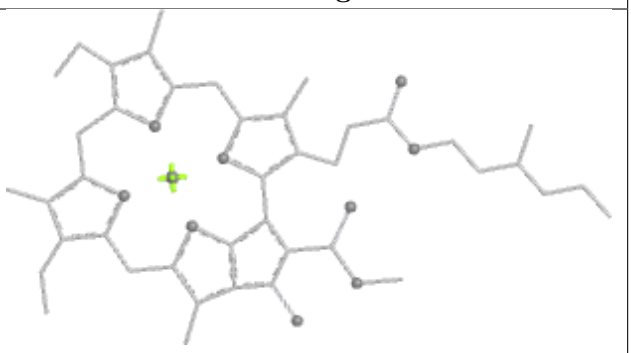
Bond angles

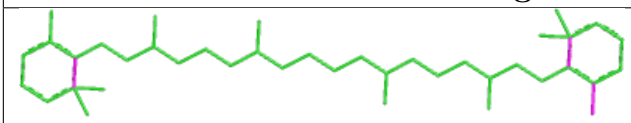
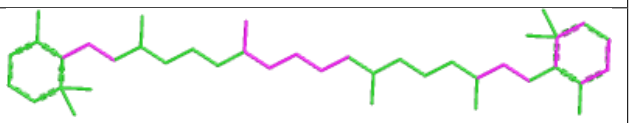
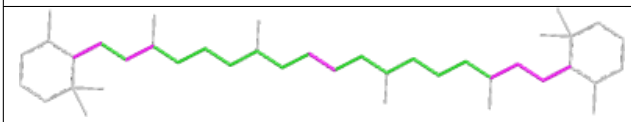
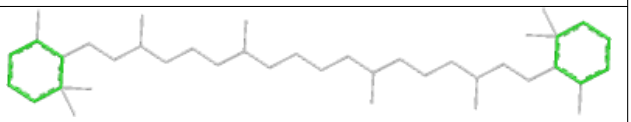


Torsions

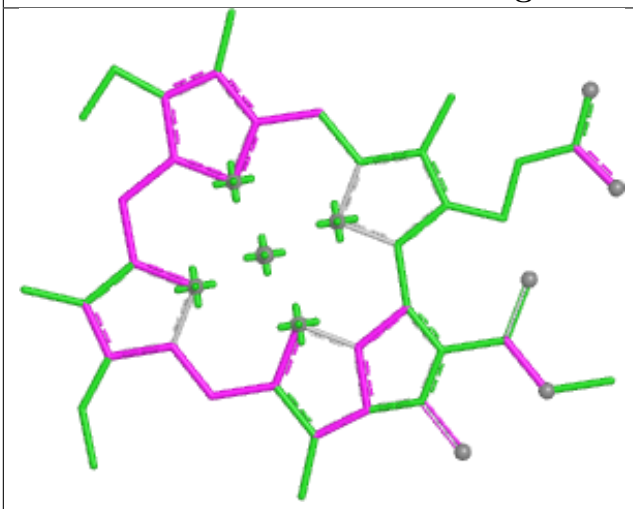


Rings

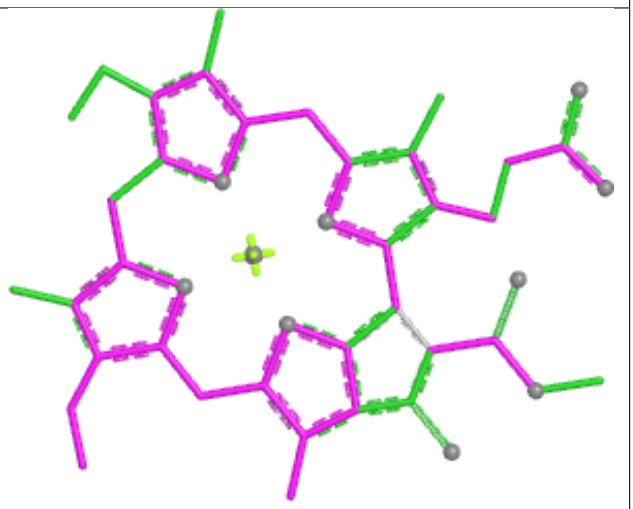
Ligand CLA bL 203	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR cA 848	
	
Bond lengths	Bond angles
	
Torsions	Rings

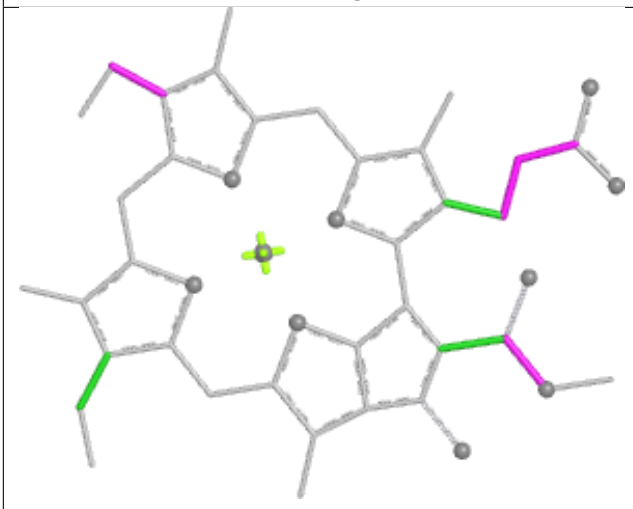
Ligand CLA aA 810



Bond lengths



Bond angles

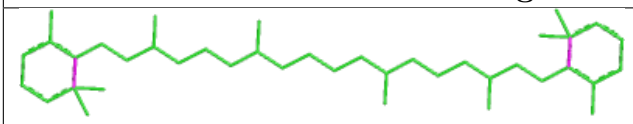


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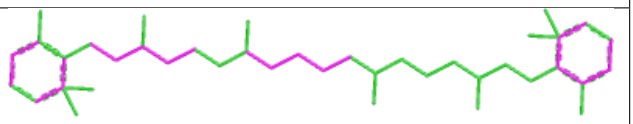


Rings

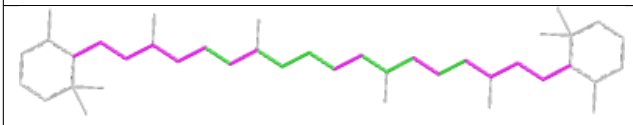
Ligand BCR bJ 103



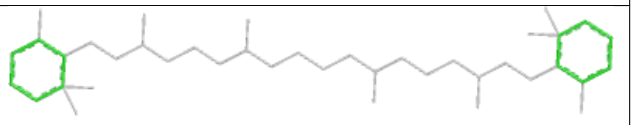
Bond lengths



Bond angles

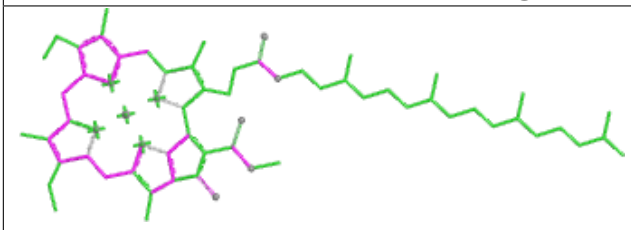


Torsions

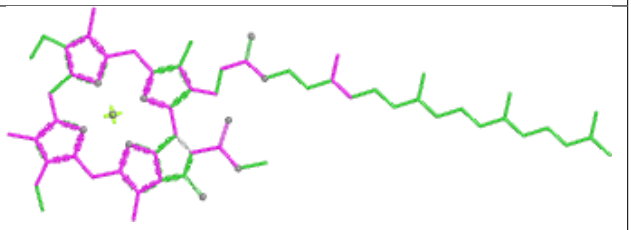


Rings

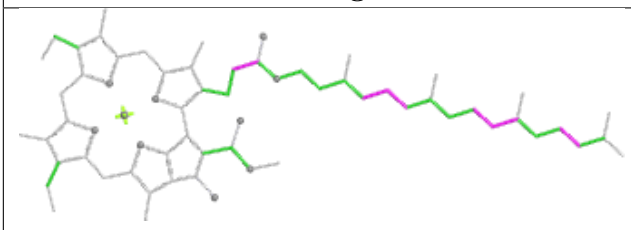
Ligand CLA aB 826



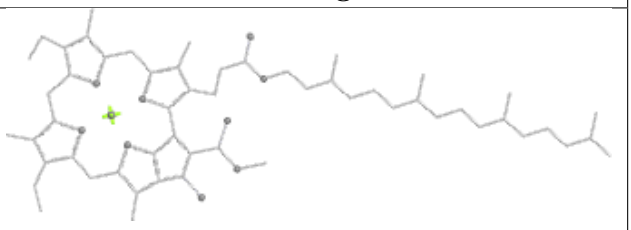
Bond lengths



Bond angles

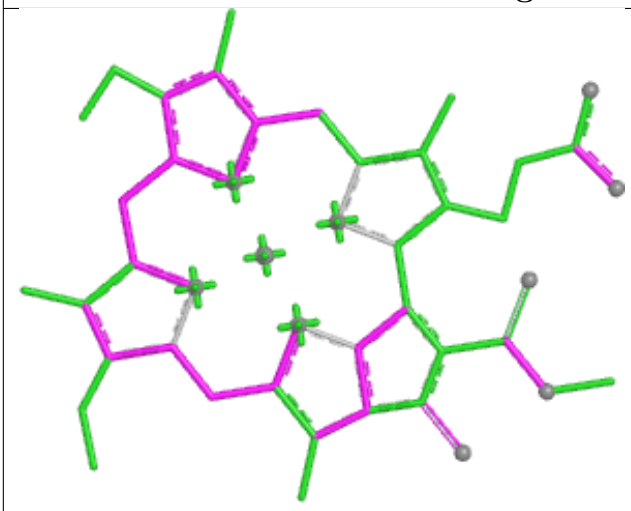


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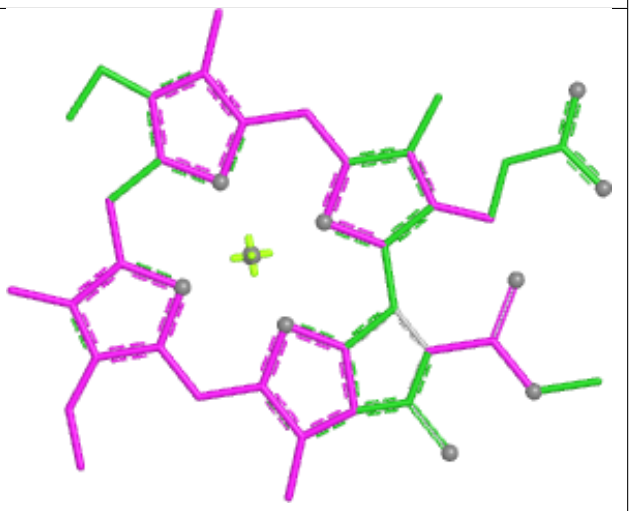


Rings

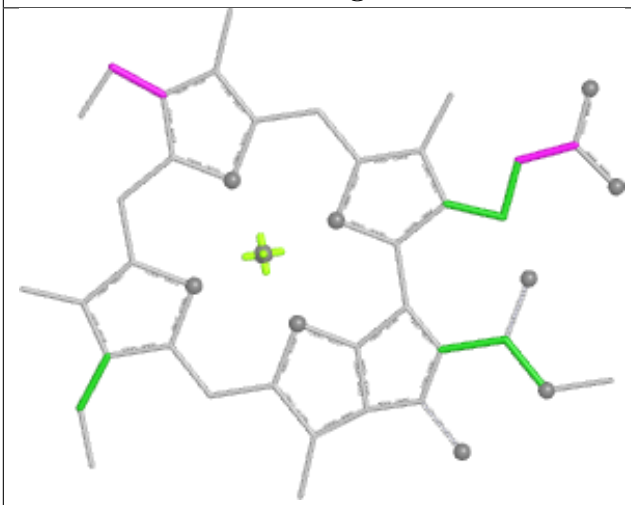
Ligand CLA dF 204



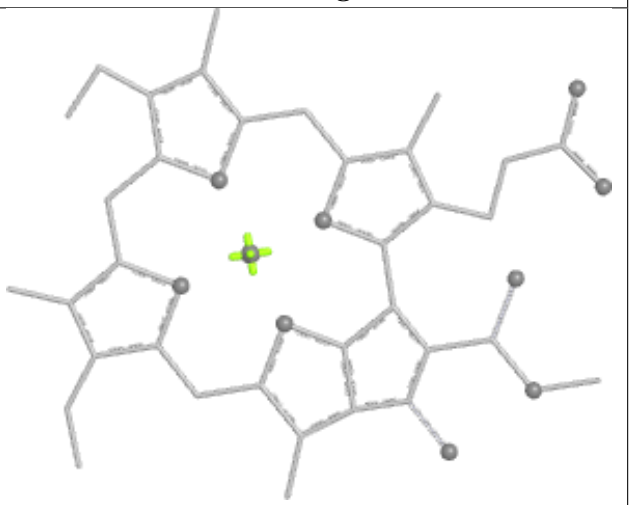
Bond lengths



Bond angles

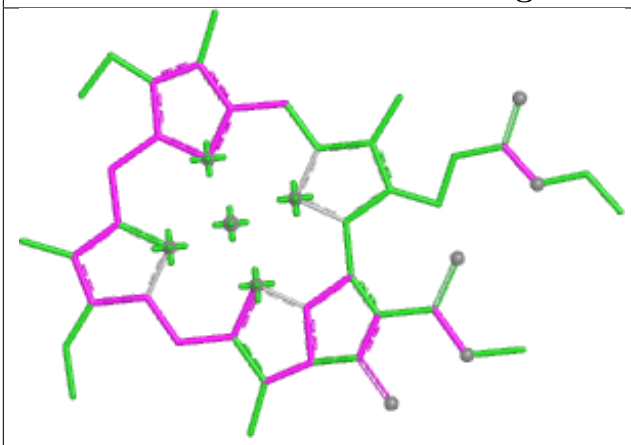


Torsions

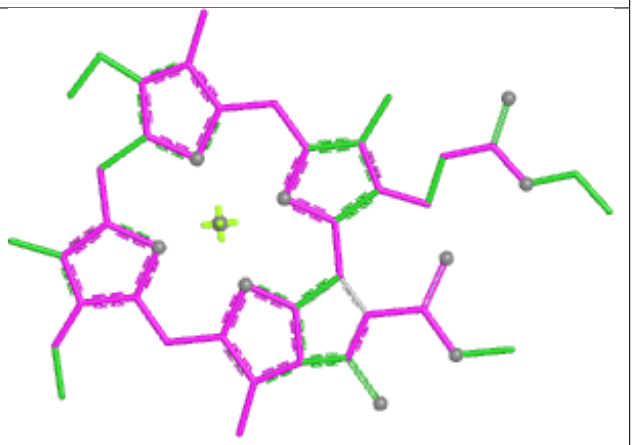


Rings

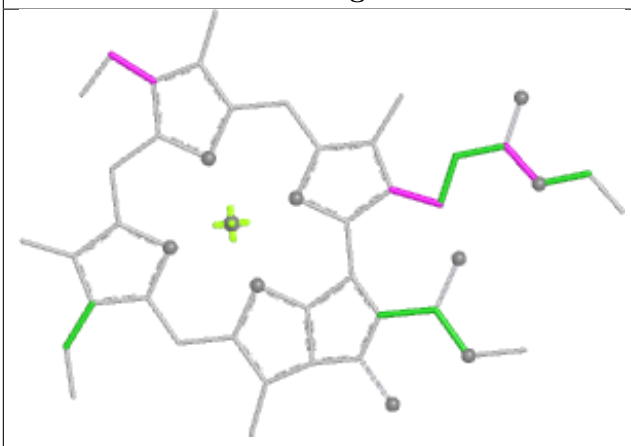
Ligand CLA aB 832



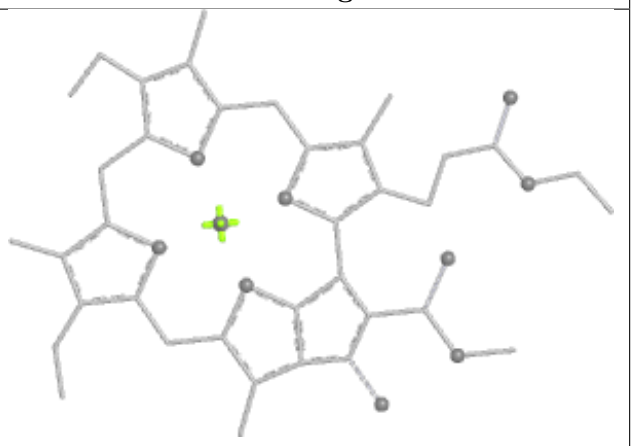
Bond lengths



Bond angles

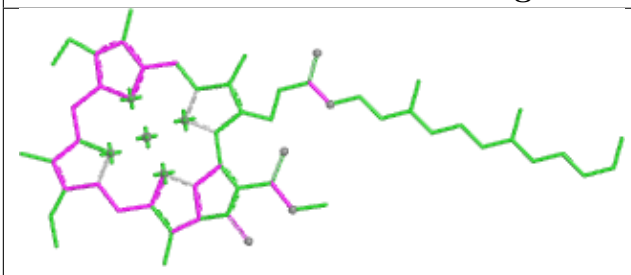


Torsions

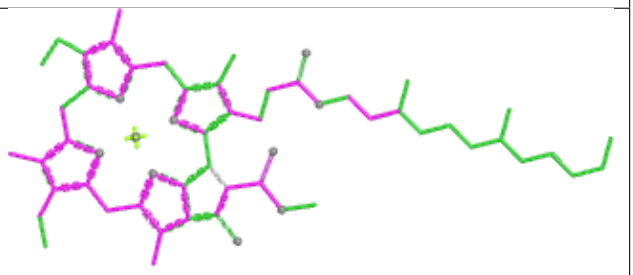


Rings

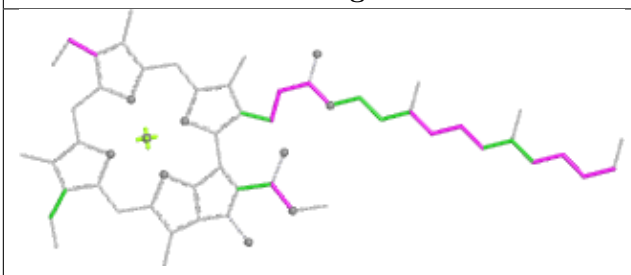
Ligand CLA dB 817



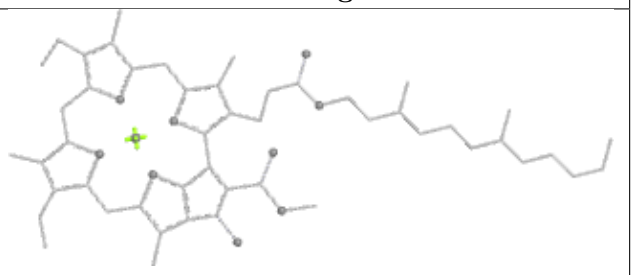
Bond lengths



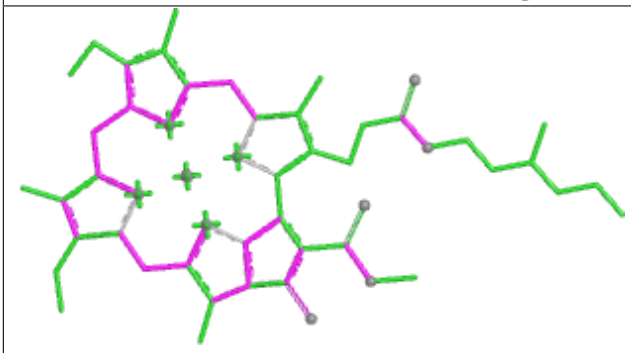
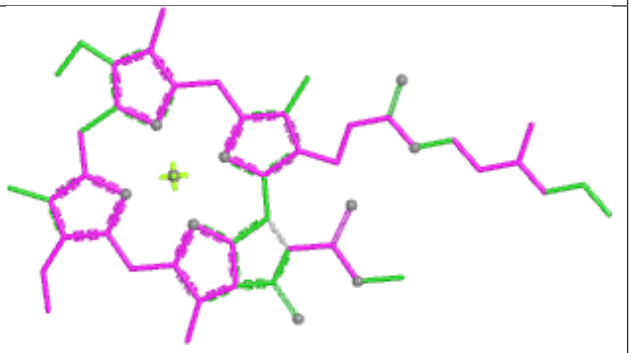
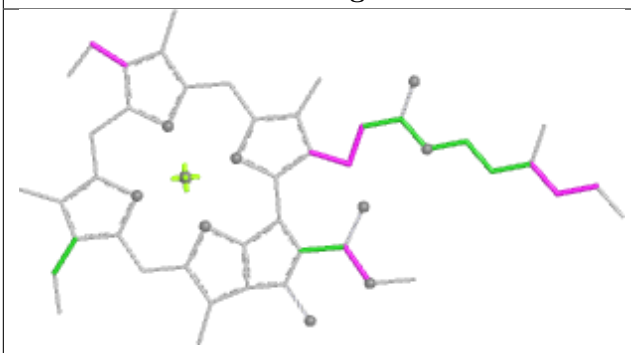
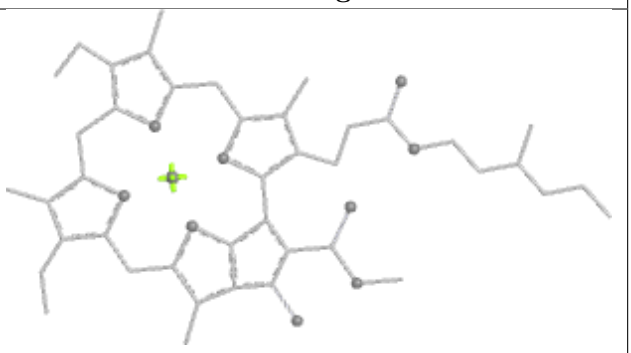
Bond angles

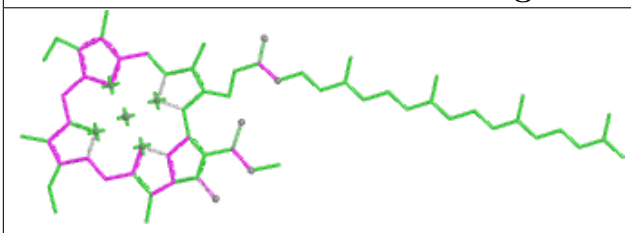
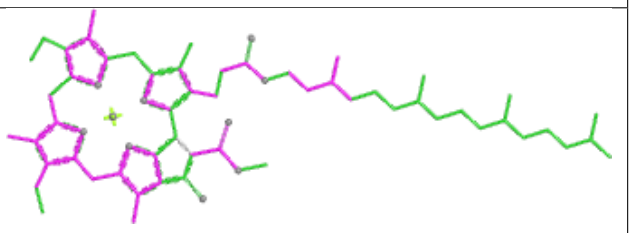
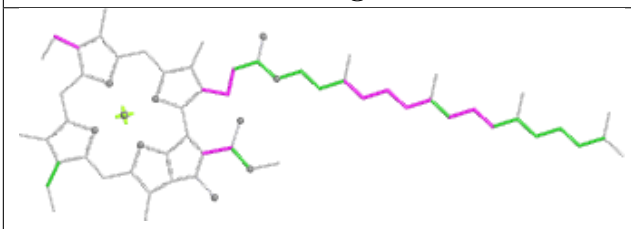
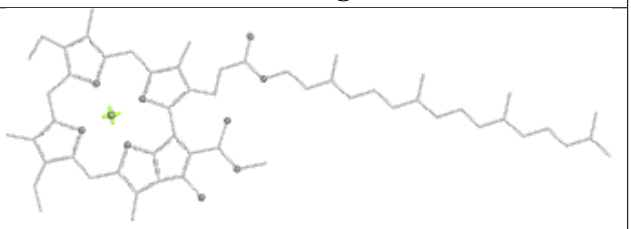


Torsions

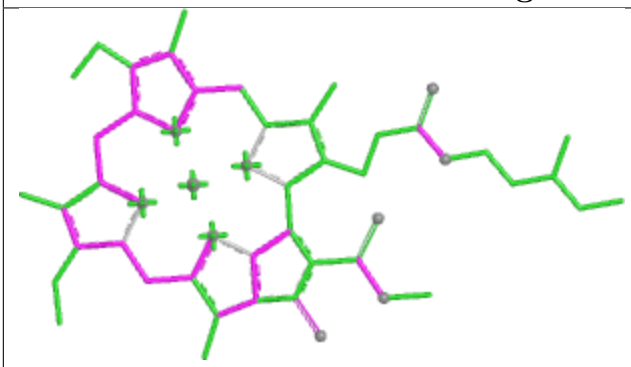


Rings

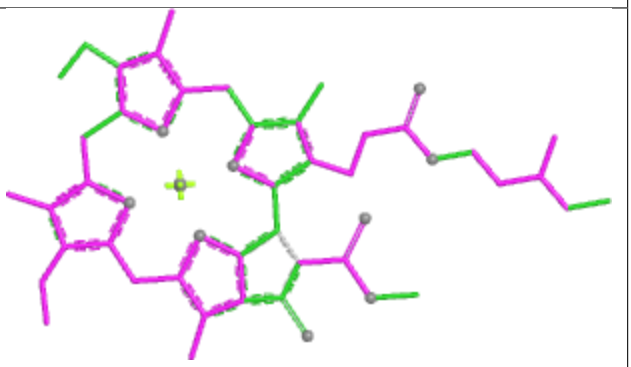
Ligand CLA dL 203	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA dB 813	
	
Bond lengths	Bond angles
	
Torsions	Rings

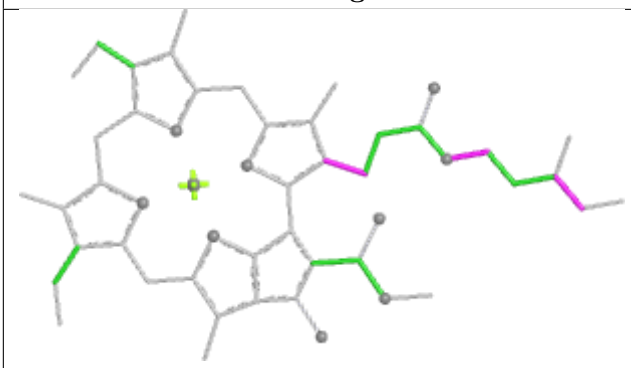
Ligand CLA dF 201



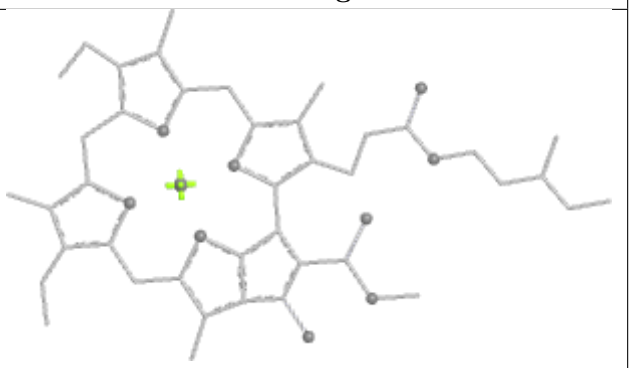
Bond lengths



Bond angles

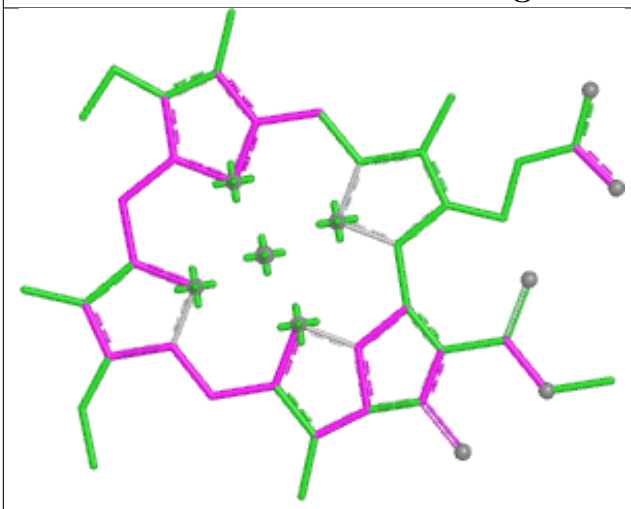


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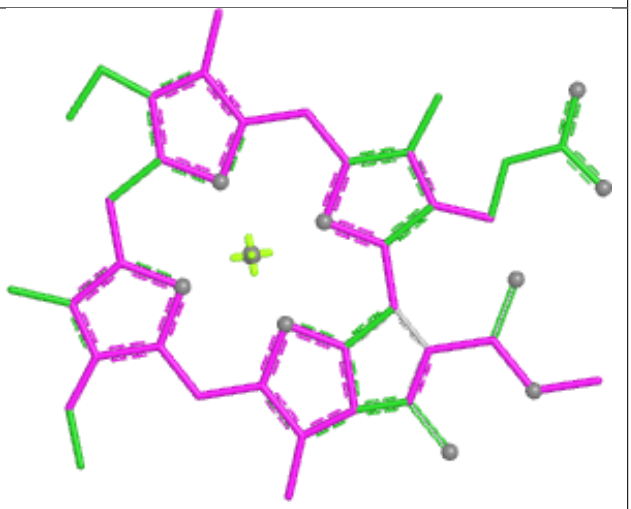


Rings

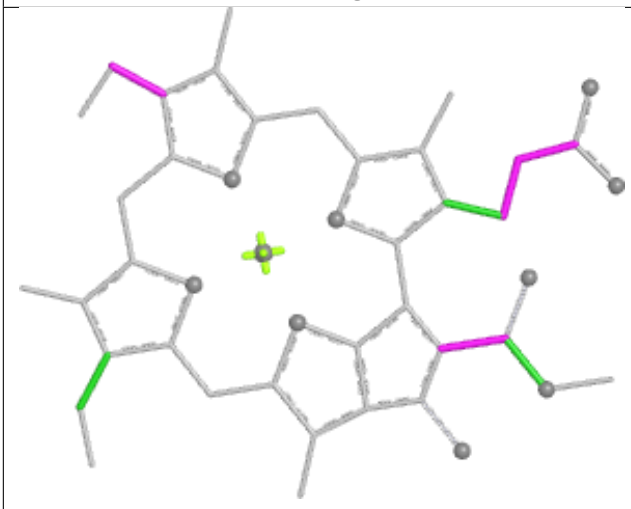
Ligand CLA bA 816



Bond lengths



Bond angles

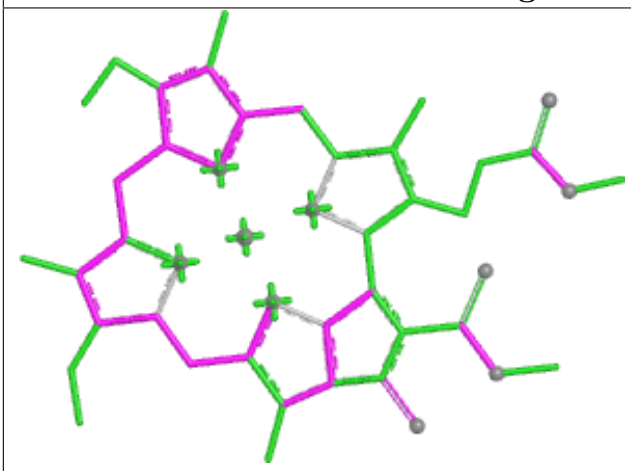


Torsions

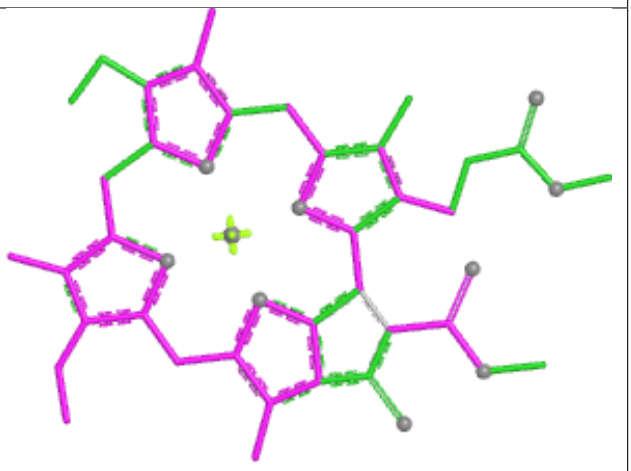


Rings

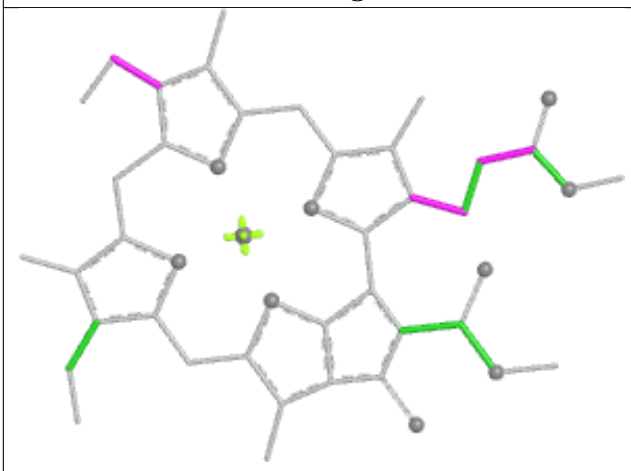
Ligand CLA cL 202



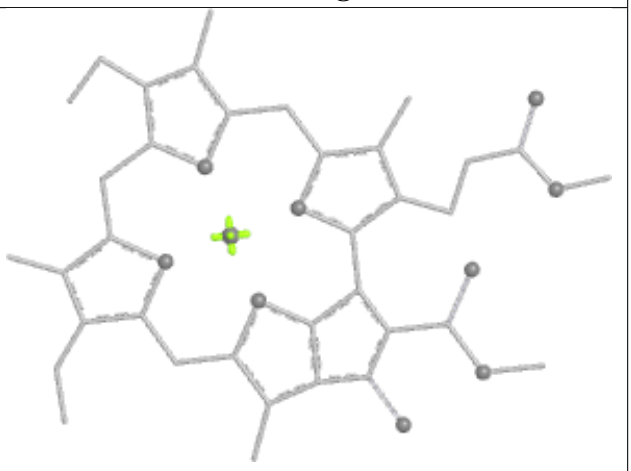
Bond lengths



Bond angles



Torsions

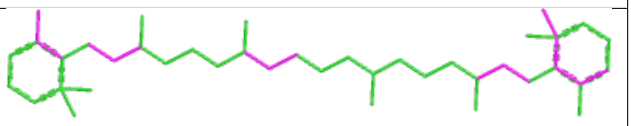


Rings

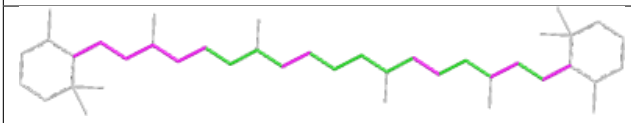
Ligand BCR dJ 102



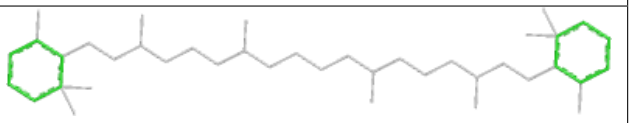
Bond lengths



Bond angles

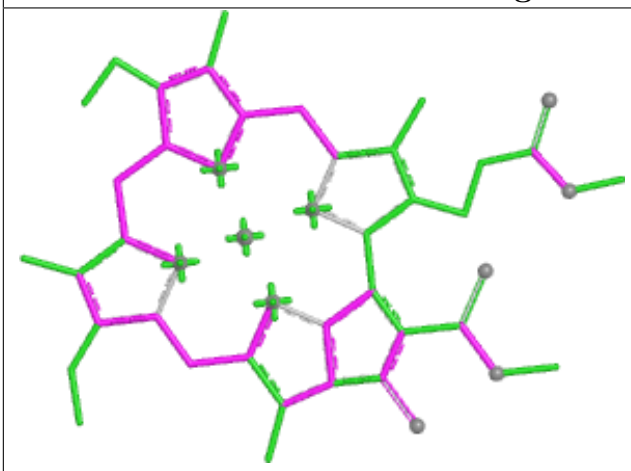


Torsions

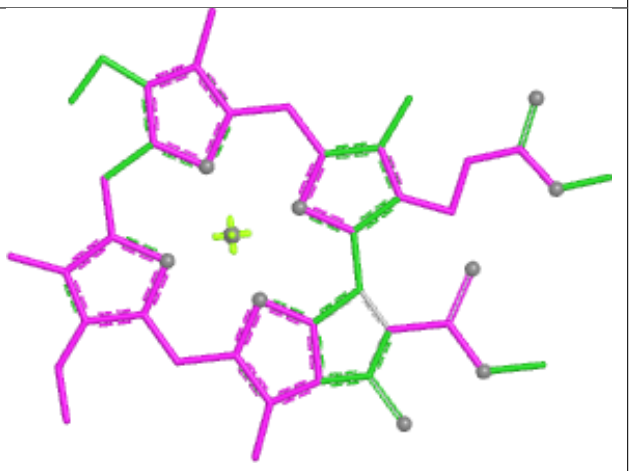


Rings

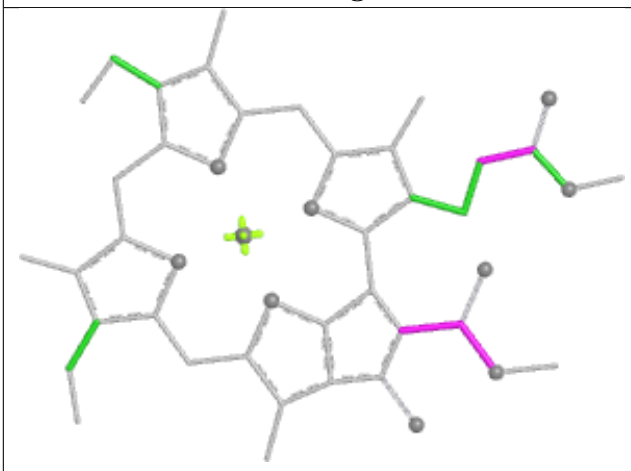
Ligand CLA dB 819



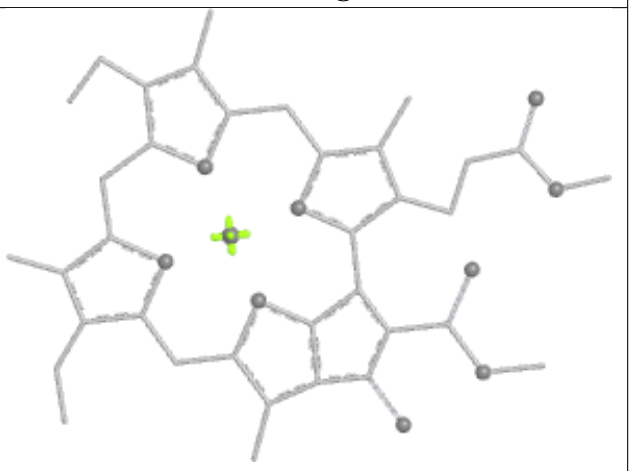
Bond lengths



Bond angles

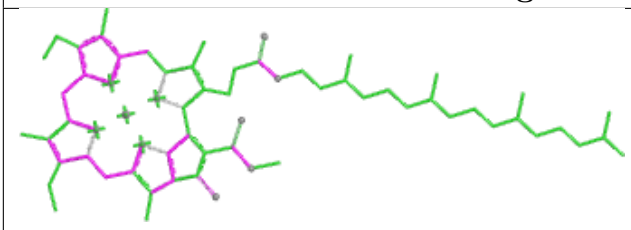


Torsions

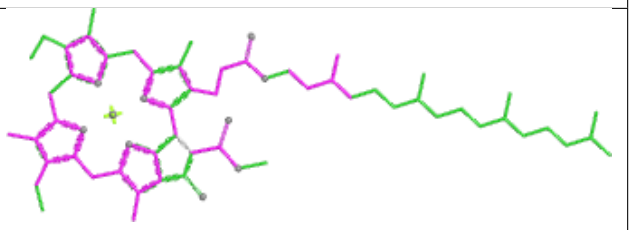


Rings

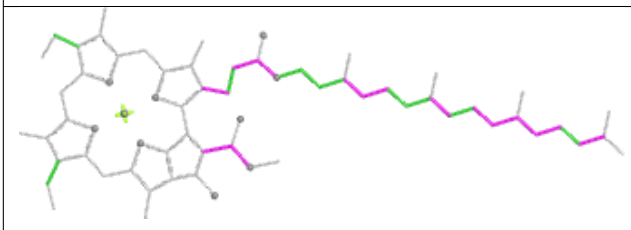
Ligand CLA cB 807



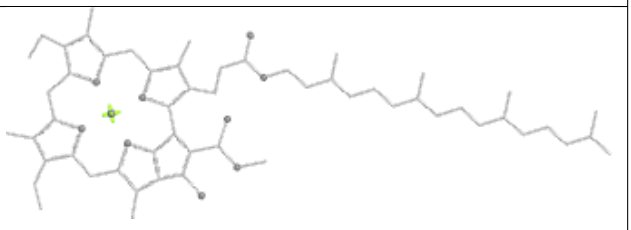
Bond lengths



Bond angles

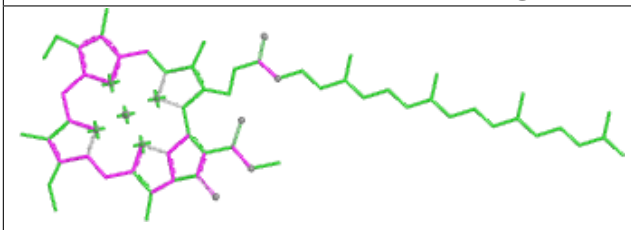


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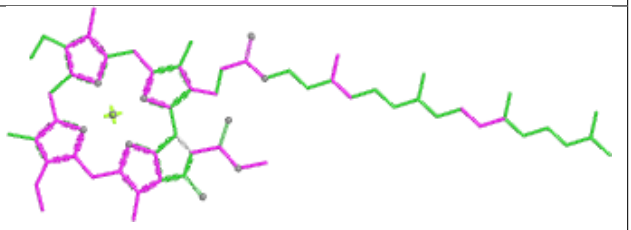


Rings

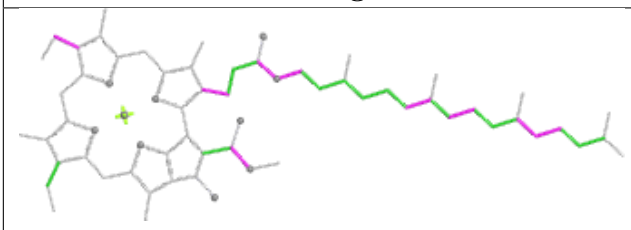
Ligand CLA bA 812



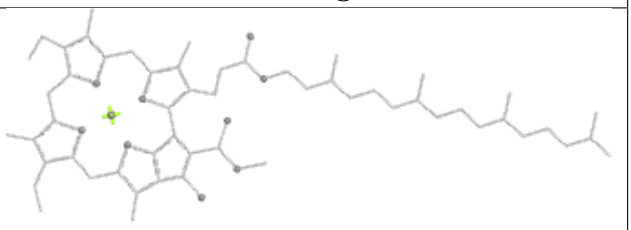
Bond lengths



Bond angles

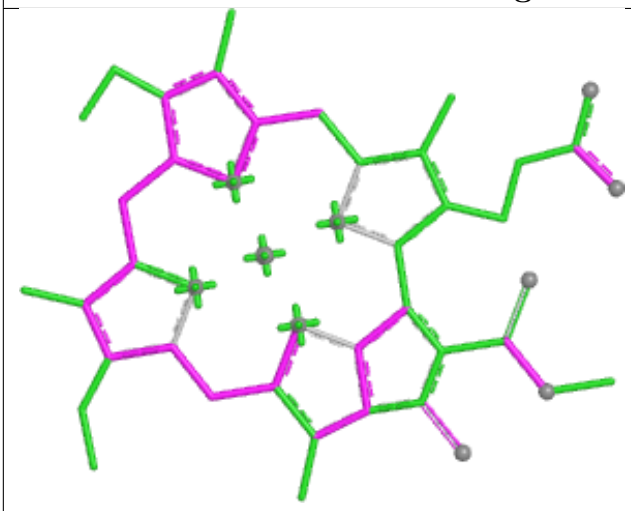


Torsions

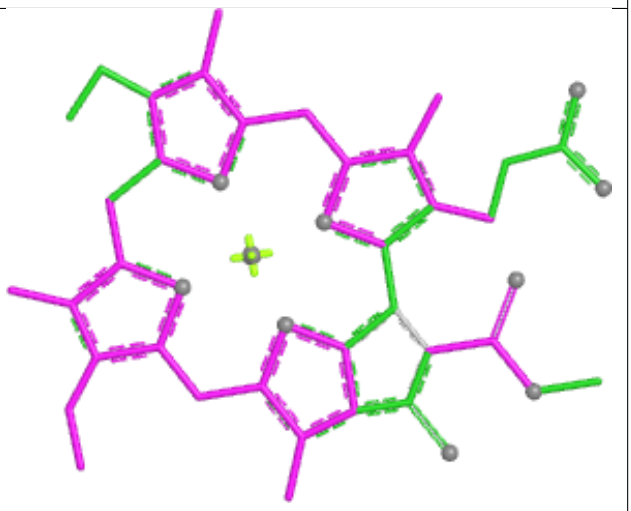


Rings

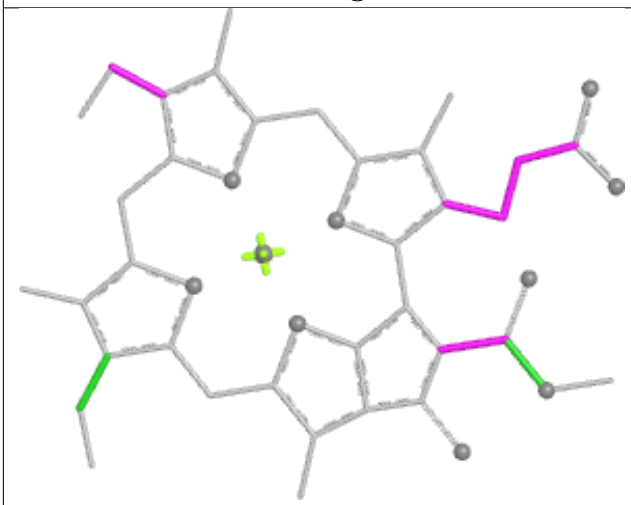
Ligand CLA bB 827



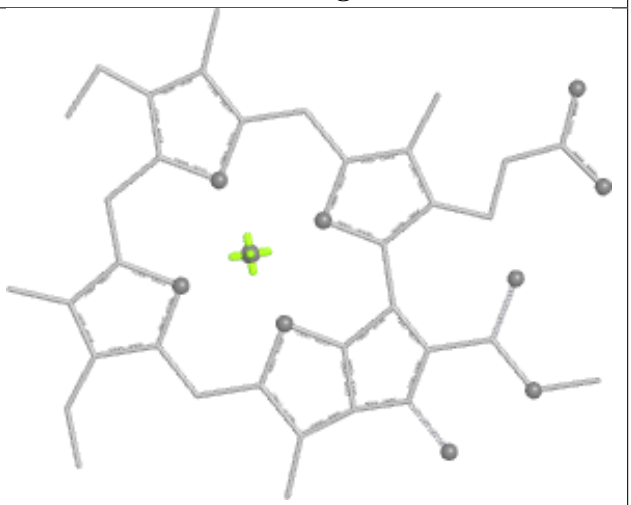
Bond lengths



Bond angles

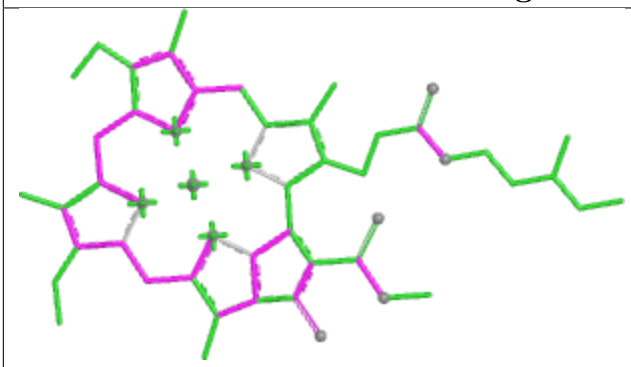


Torsions

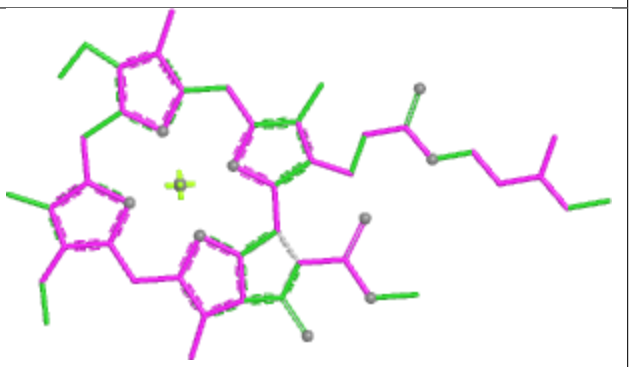


Rings

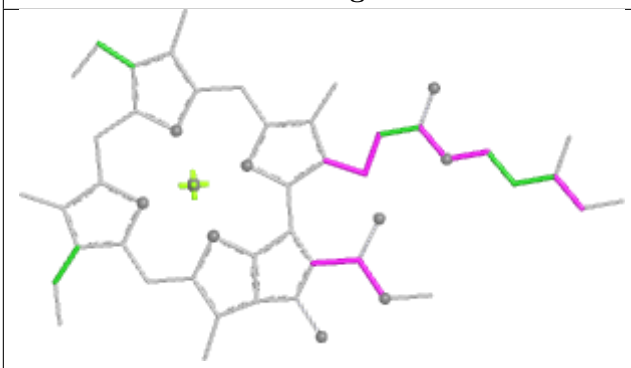
Ligand CLA aA 838



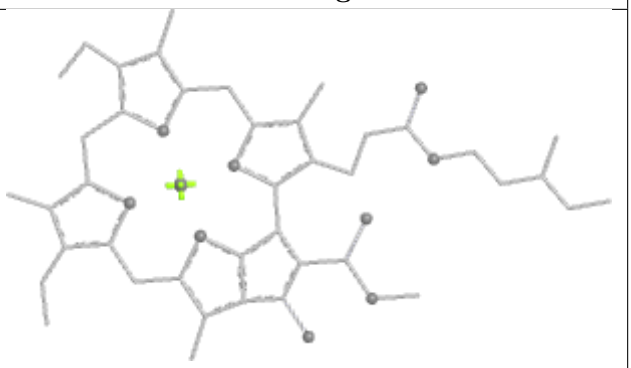
Bond lengths



Bond angles

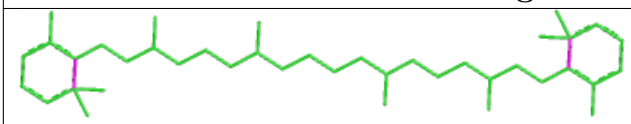


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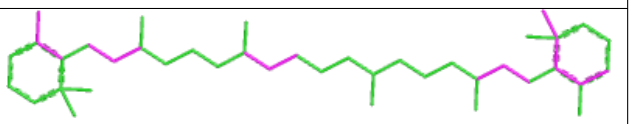


Rings

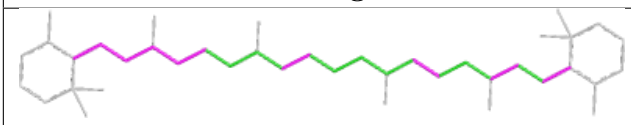
Ligand BCR bJ 102



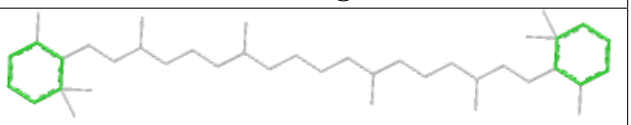
Bond lengths



Bond angles

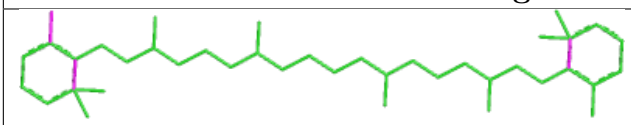


Torsions

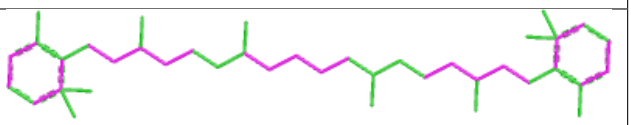


Rings

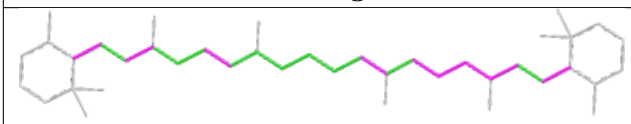
Ligand BCR aA 847



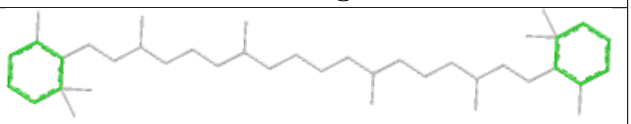
Bond lengths



Bond angles

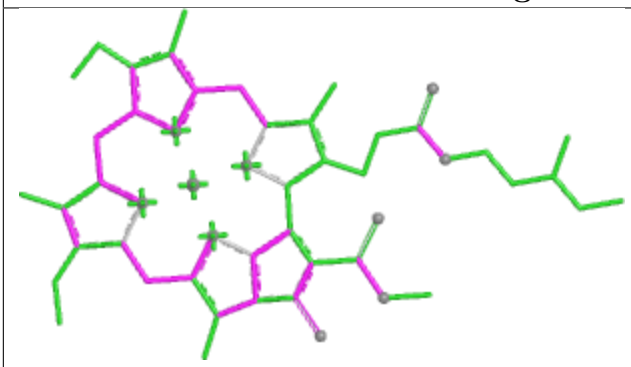


Torsions

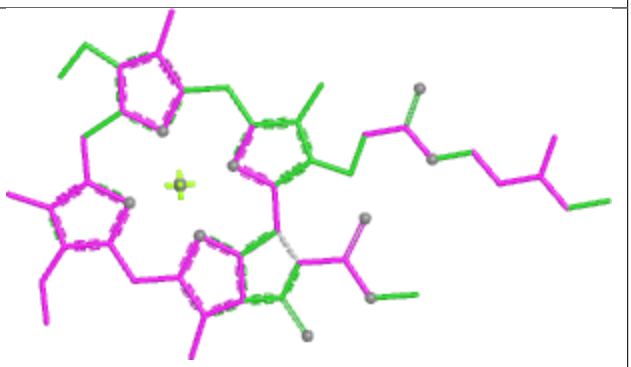


Rings

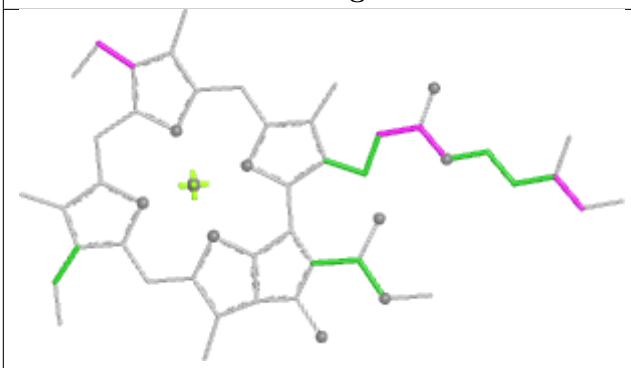
Ligand CLA bA 824



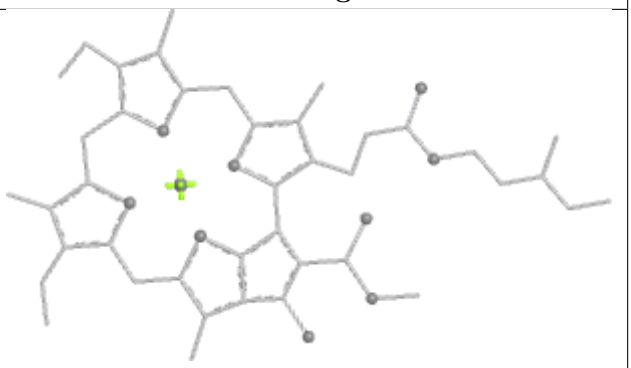
Bond lengths



Bond angles

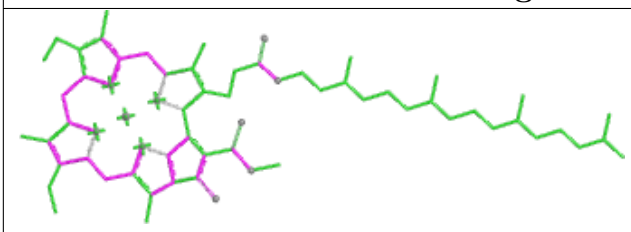


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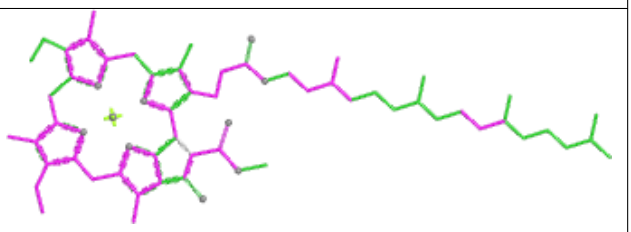


Rings

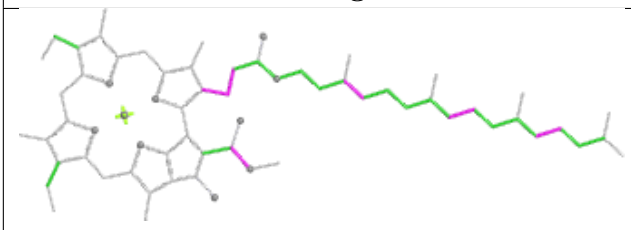
Ligand CLA aA 802



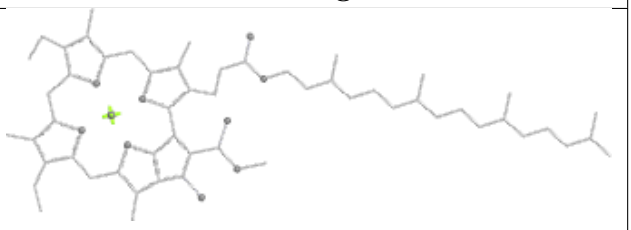
Bond lengths



Bond angles

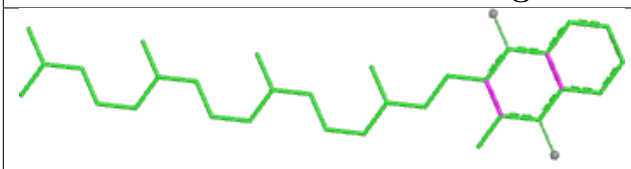


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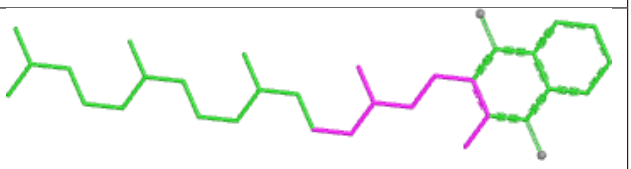


Rings

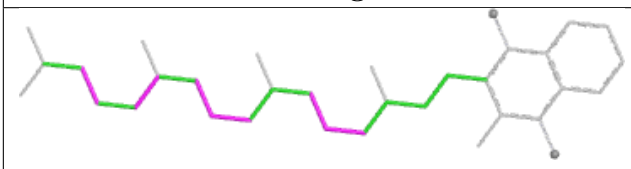
Ligand PQN aA 844



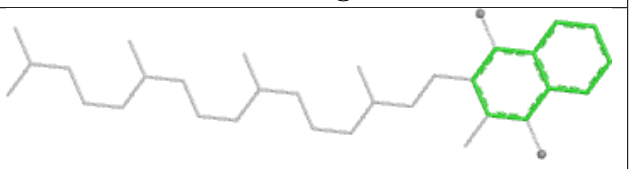
Bond lengths



Bond angles

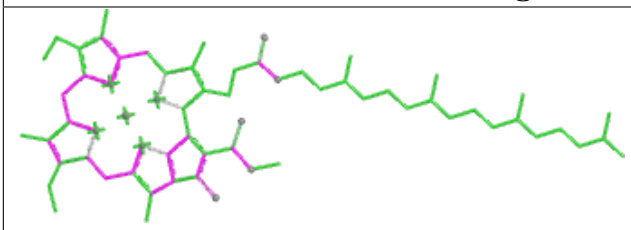


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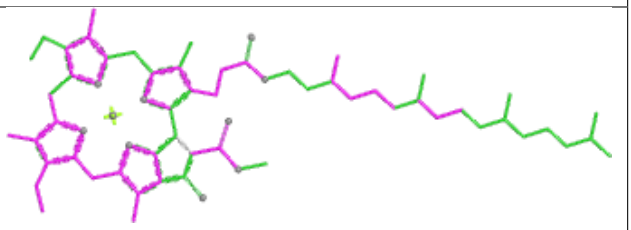


Rings

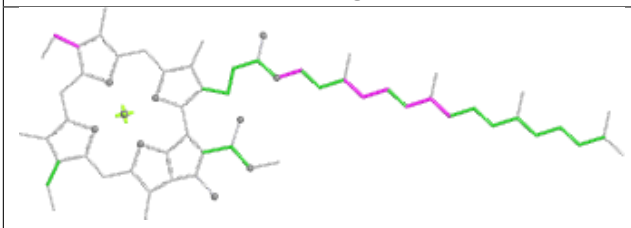
Ligand CLA bB 810



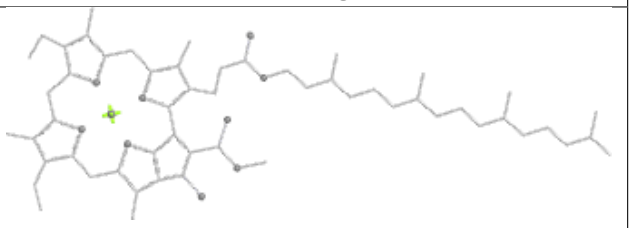
Bond lengths



Bond angles

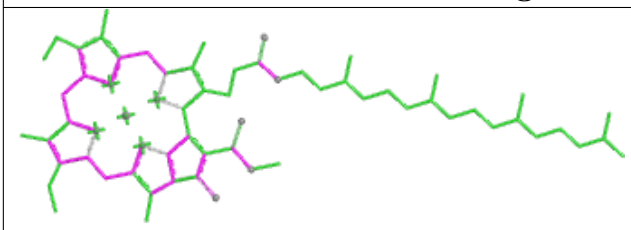


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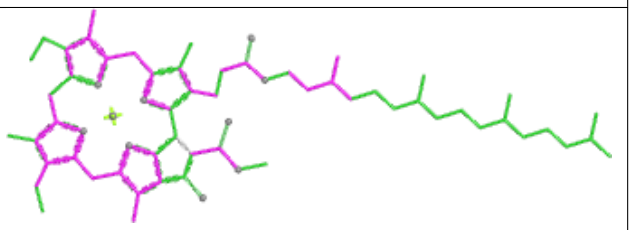


Rings

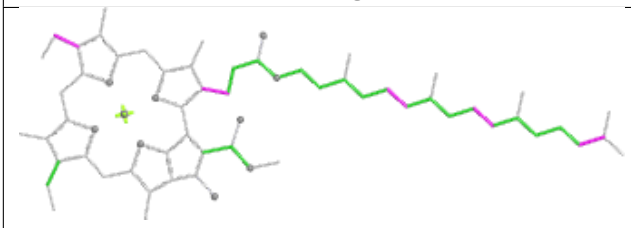
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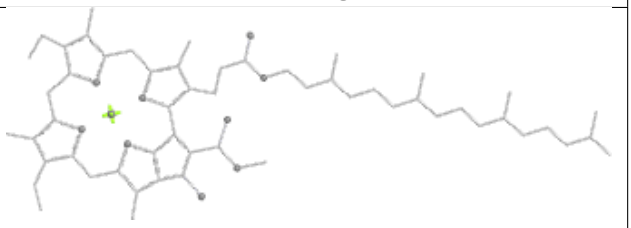
Bond lengths



Bond angles

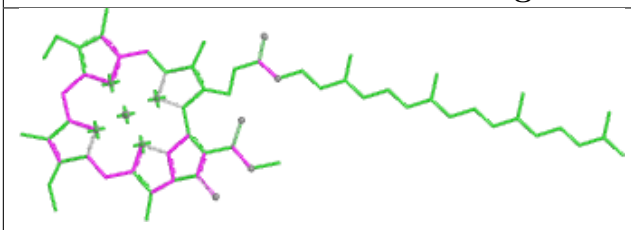


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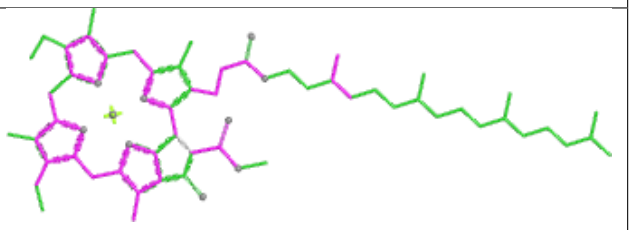


Rings

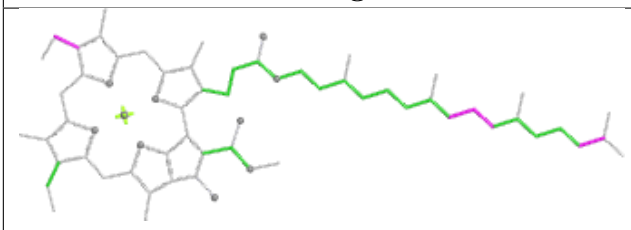
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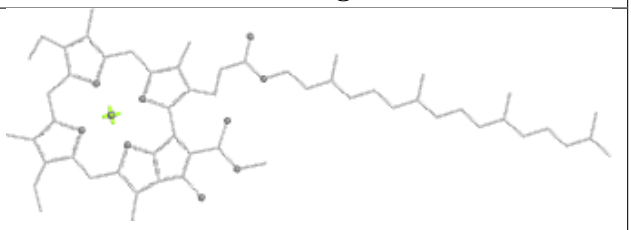
Bond lengths



Bond angles

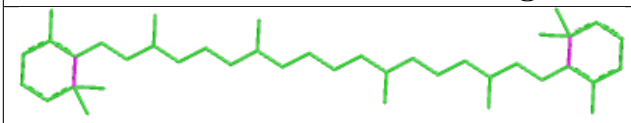


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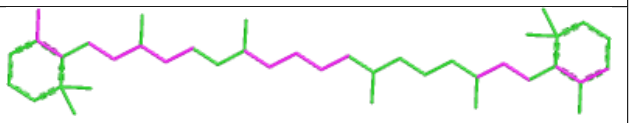


Rings

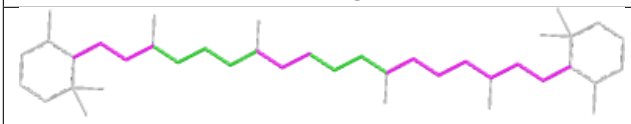
Ligand BCR dI 102



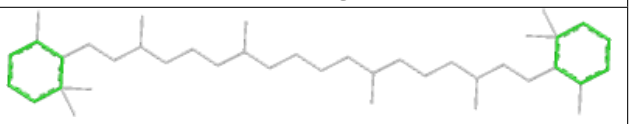
Bond lengths



Bond angles

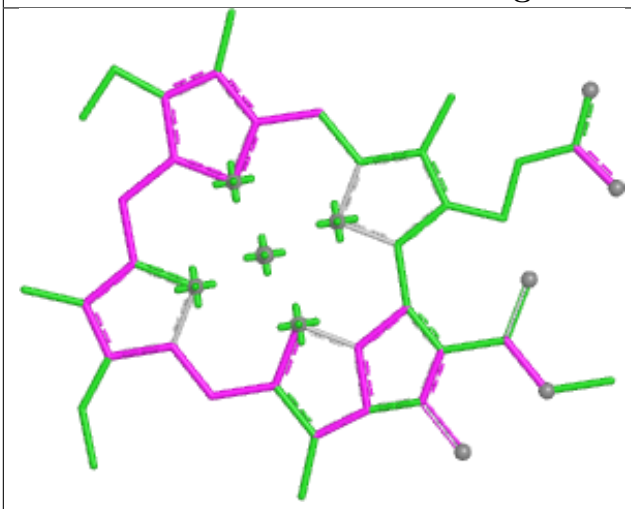


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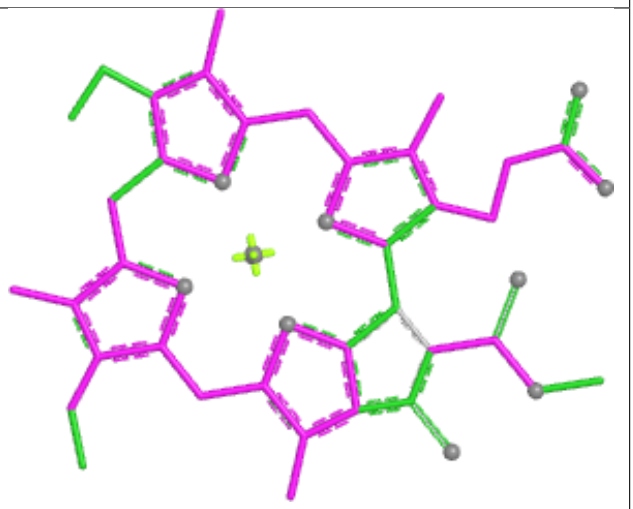


Rings

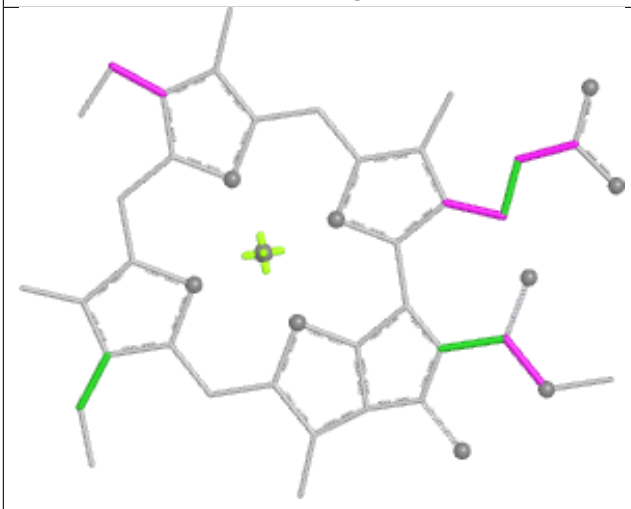
Ligand CLA dA 810



Bond lengths



Bond angles

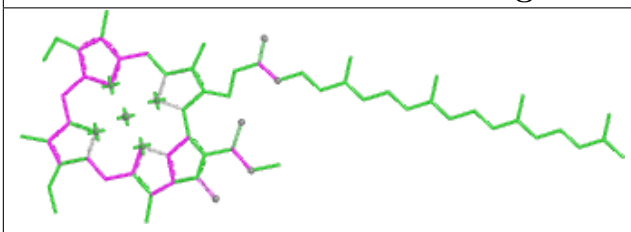


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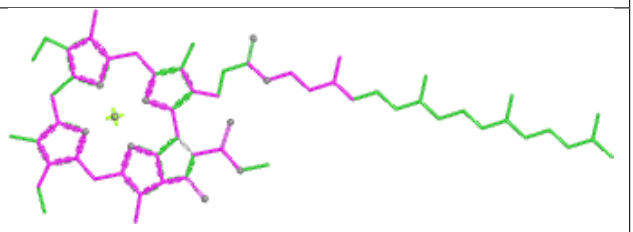


Rings

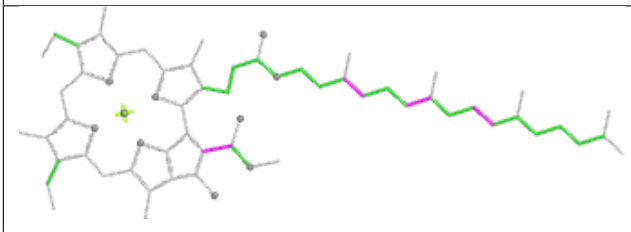
Ligand CLA aB 821



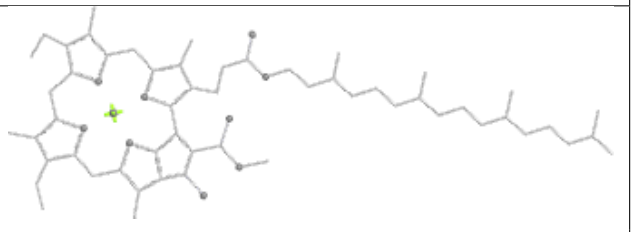
Bond lengths



Bond angles

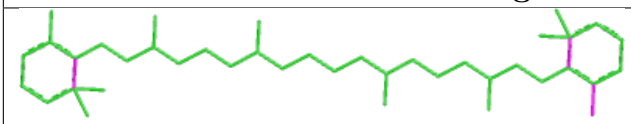


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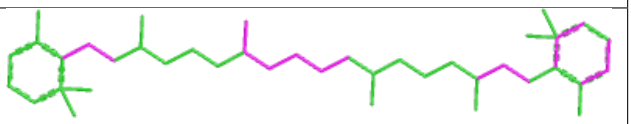


Rings

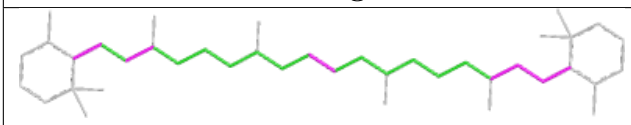
Ligand BCR aA 848



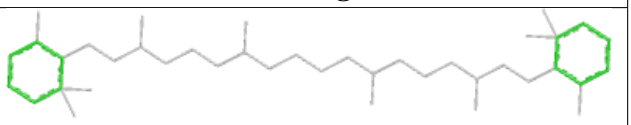
Bond lengths



Bond angles

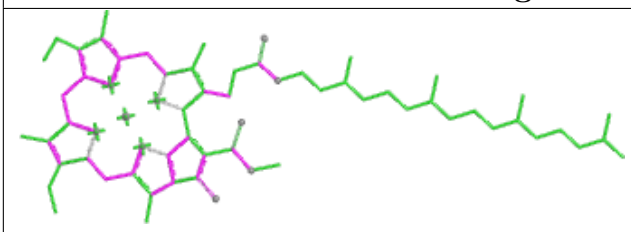


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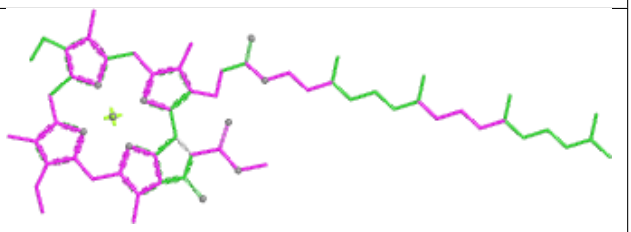


Rings

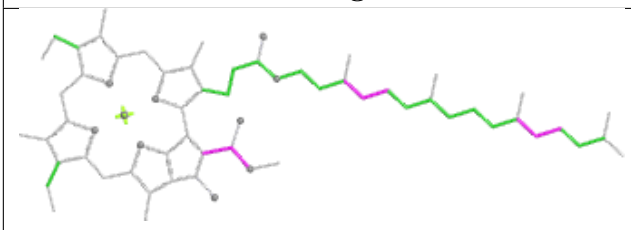
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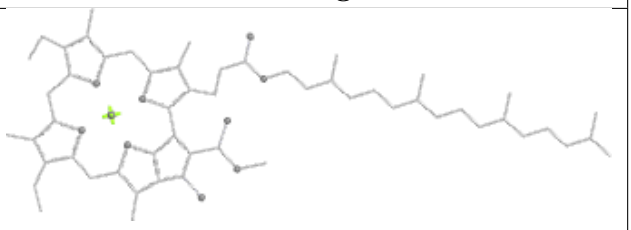
Bond lengths



Bond angles

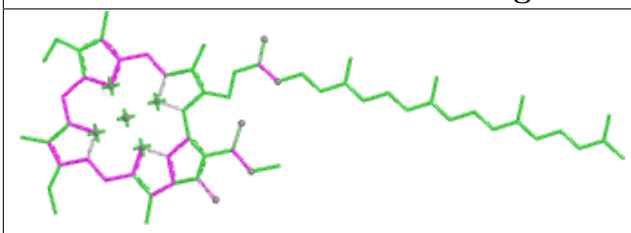


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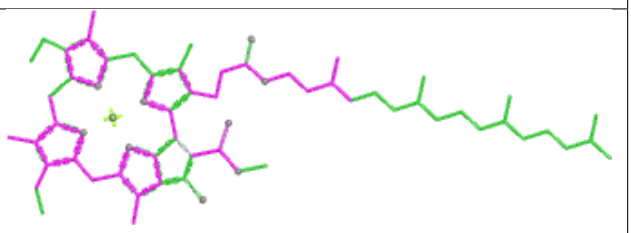


Rings

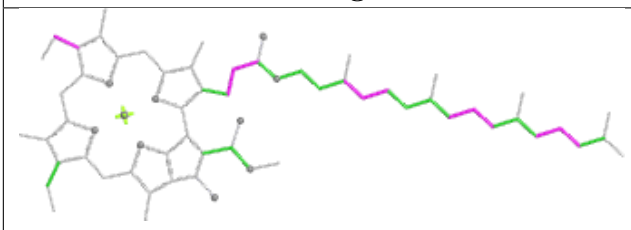
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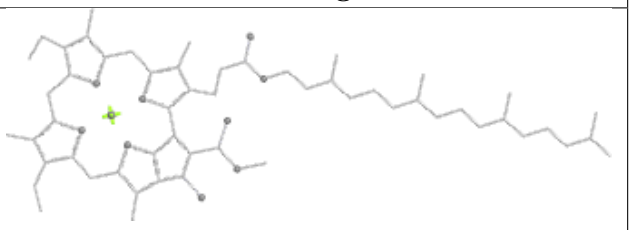
Bond lengths



Bond angles

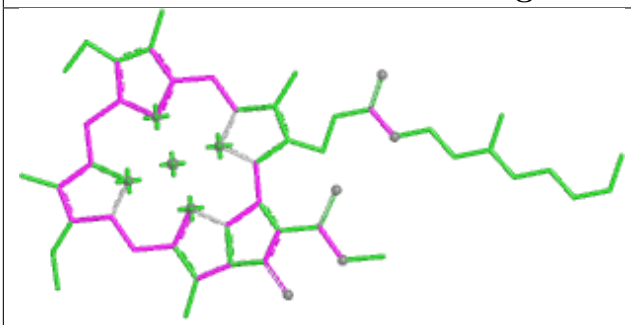


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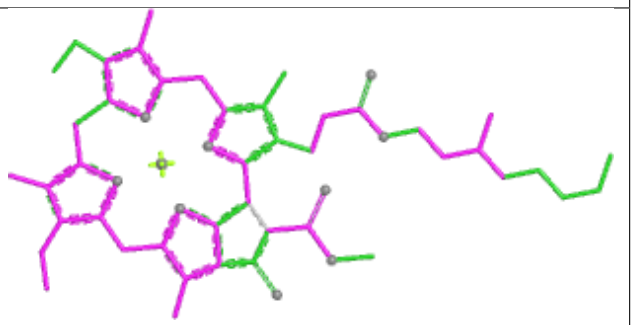


Rings

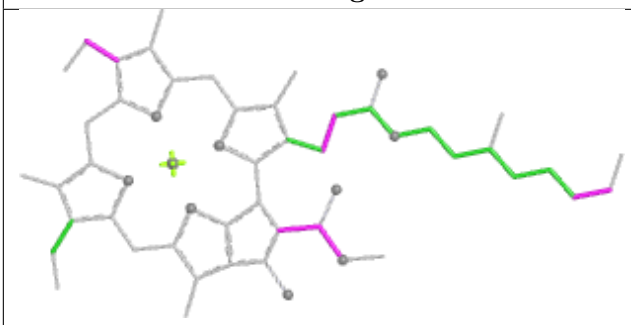
Ligand CLA aB 806



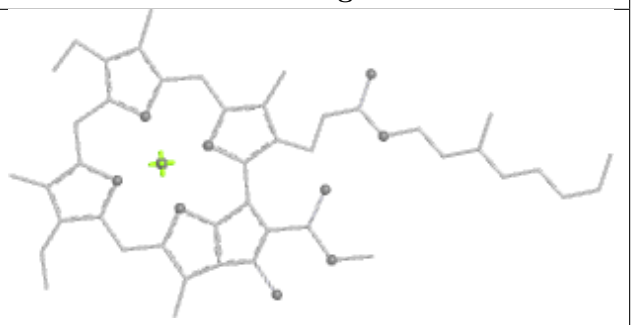
Bond lengths



Bond angles

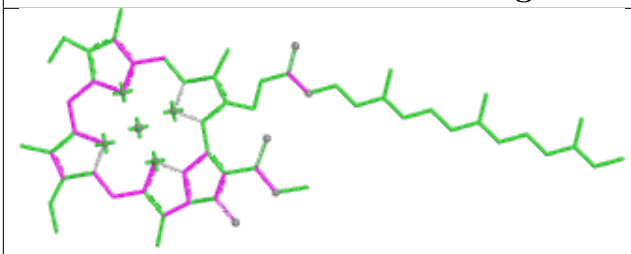


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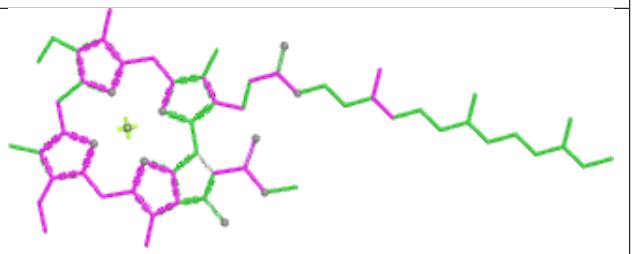


Rings

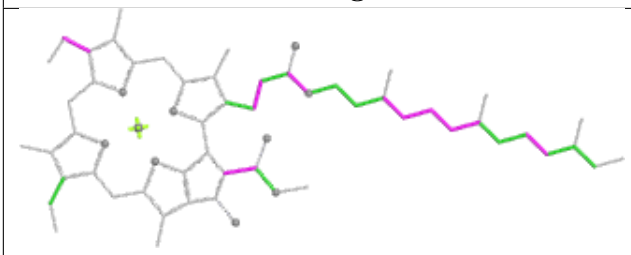
Ligand CLA aA 821



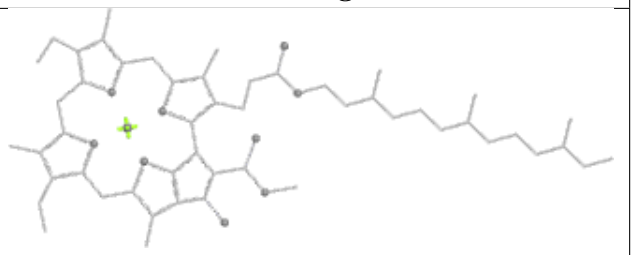
Bond lengths



Bond angles

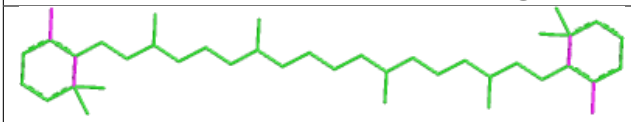


Torsions

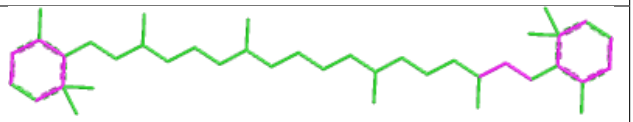


Rings

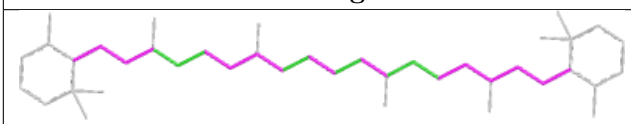
Ligand BCR dL 204



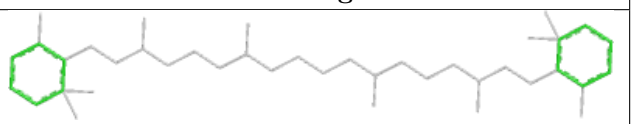
Bond lengths



Bond angles

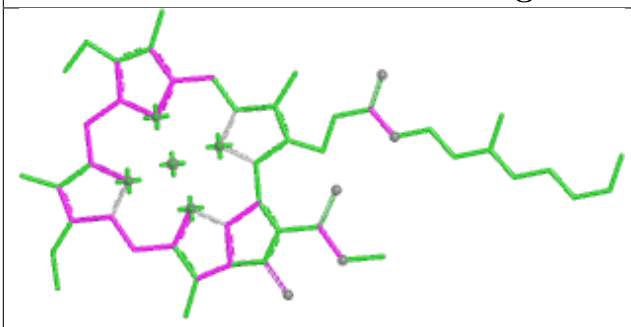


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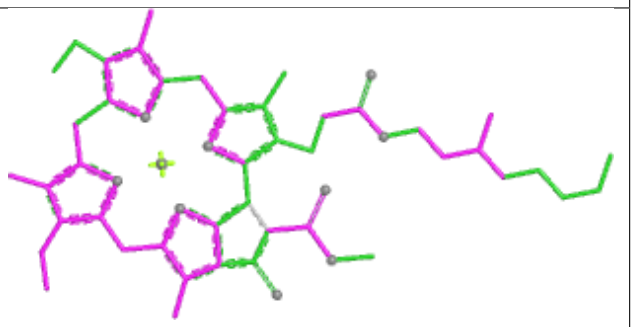


Rings

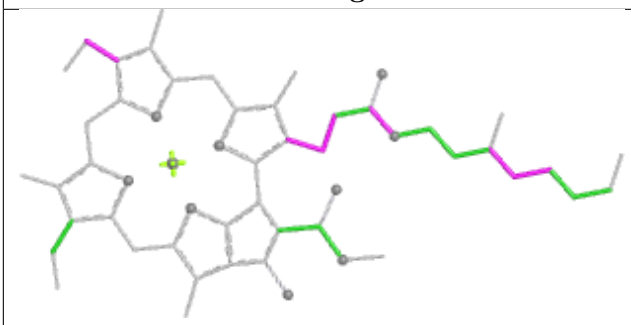
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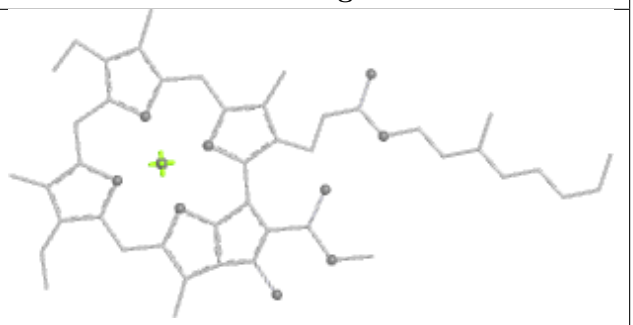
Bond lengths



Bond angles

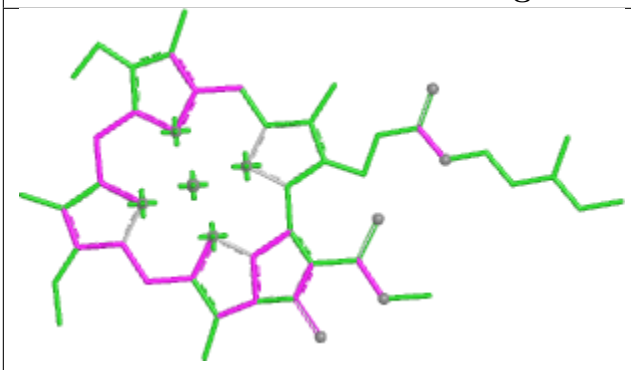


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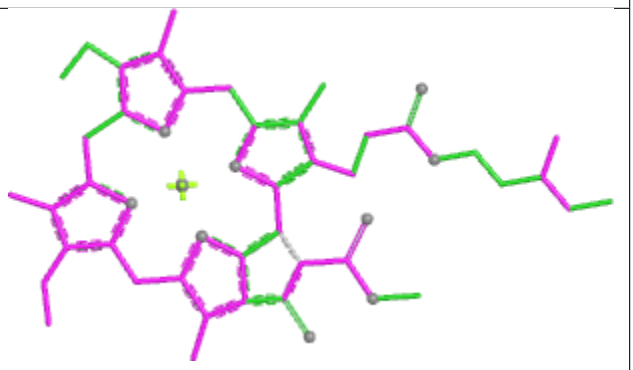


Rings

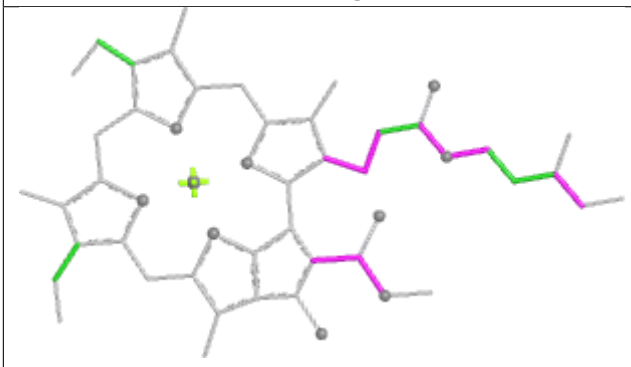
Ligand CLA bA 838



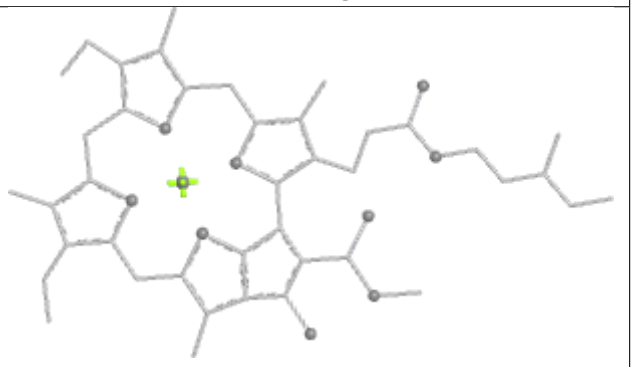
Bond lengths



Bond angles

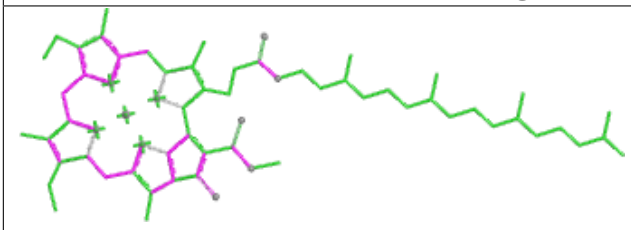


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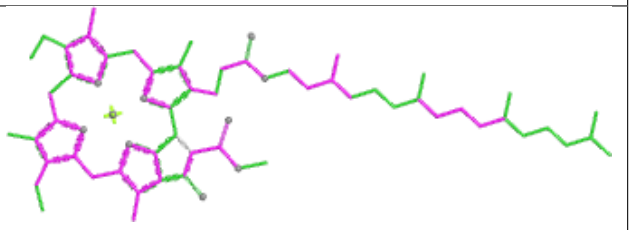


Rings

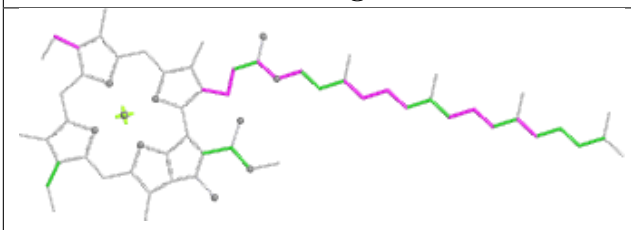
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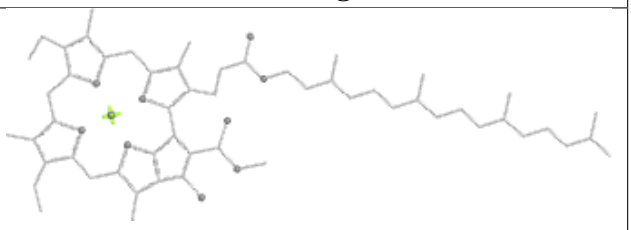
Bond lengths



Bond angles



Torsions

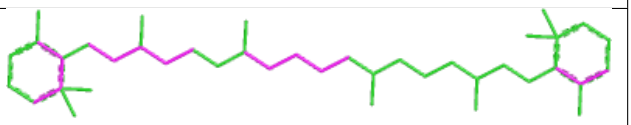


Rings

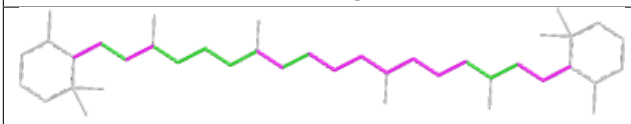
Ligand BCR dJ 104



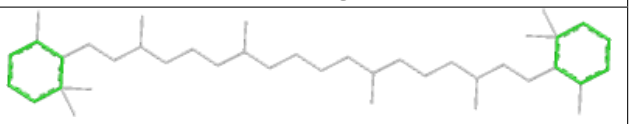
Bond lengths



Bond angles

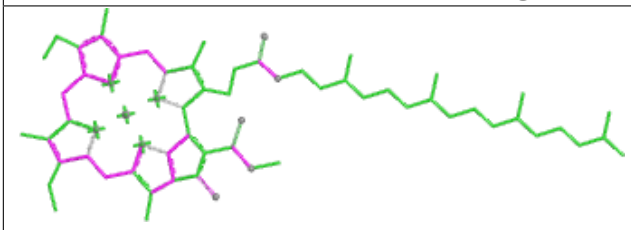


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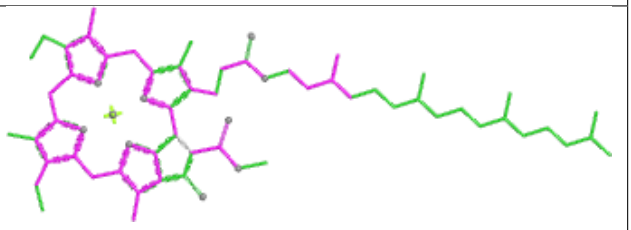


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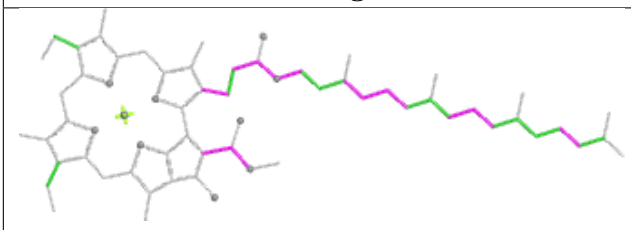
Ligand CLA bB 825



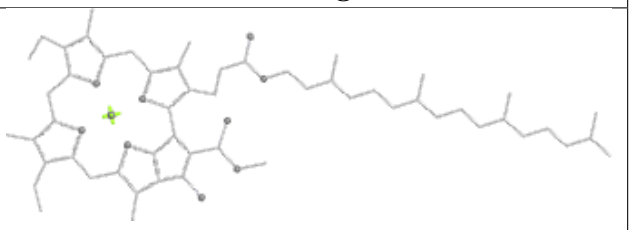
Bond lengths



Bond angles

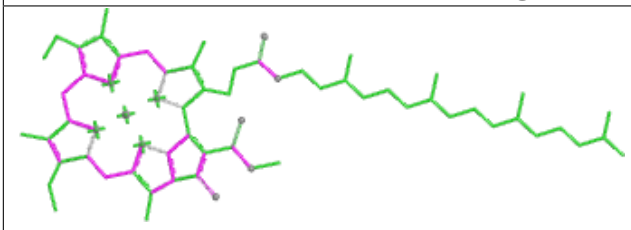


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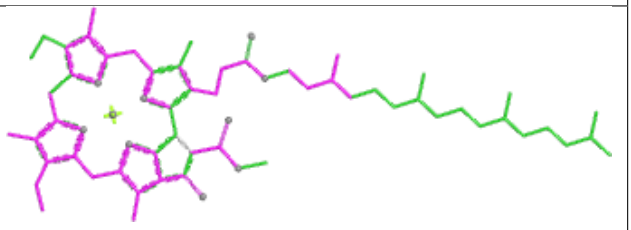


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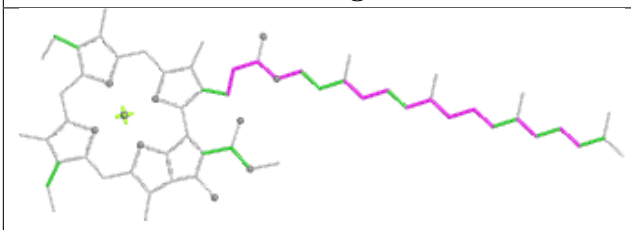
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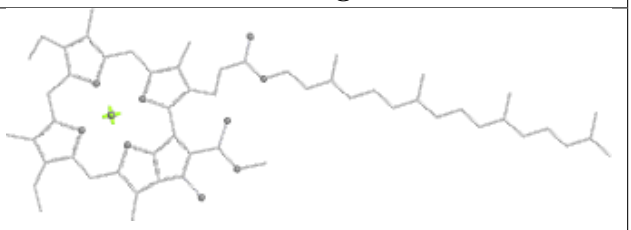
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Bond angles

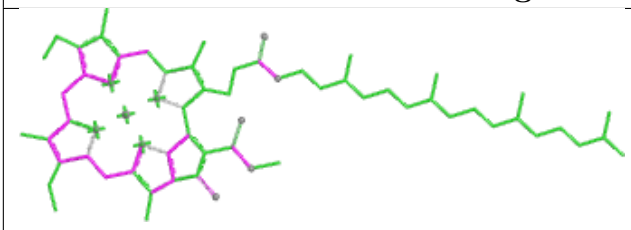


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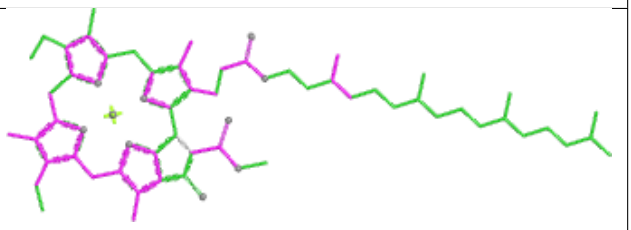


Rings

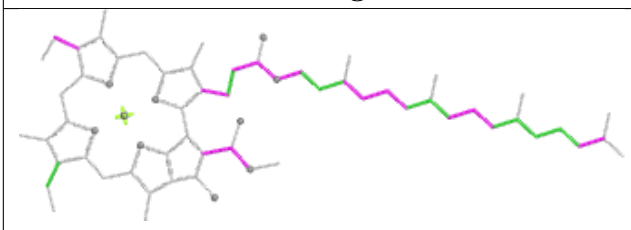
Ligand CLA bB 823



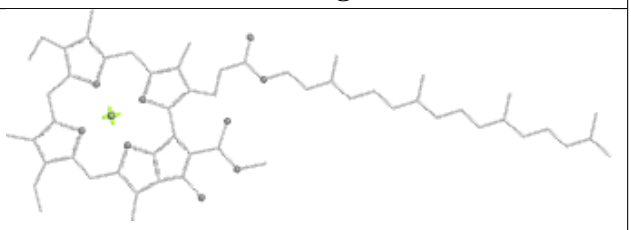
Bond lengths



Bond angles

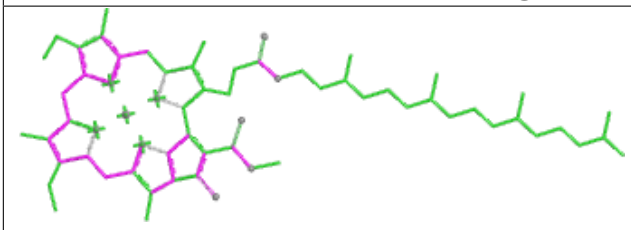


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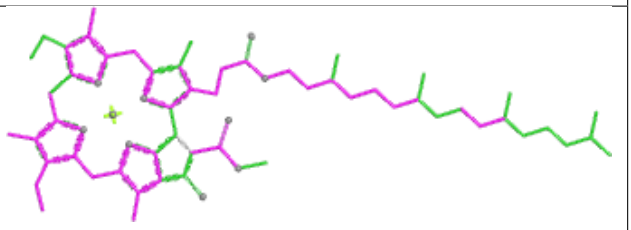


Rings

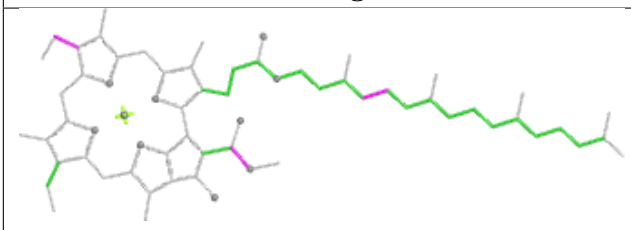
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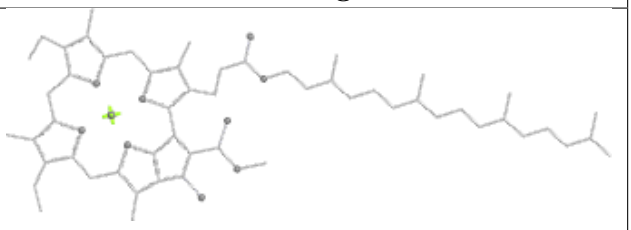
Bond lengths



Bond angles

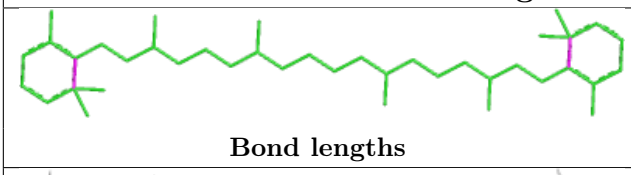


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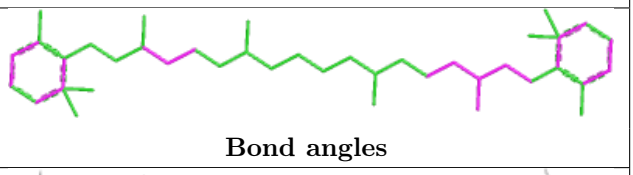


Rings

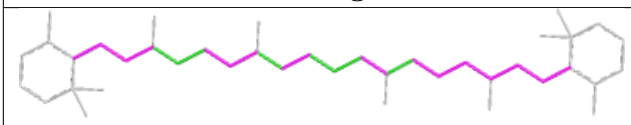
Ligand BCR aL 206



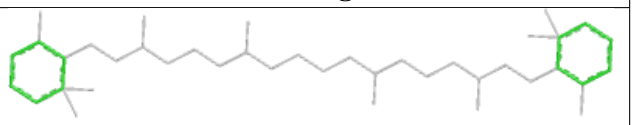
Bond lengths



Bond angles

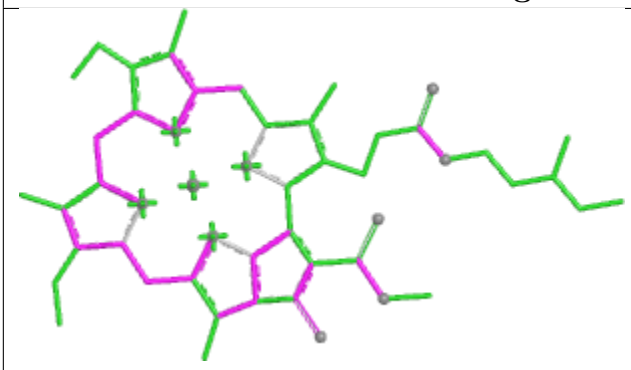


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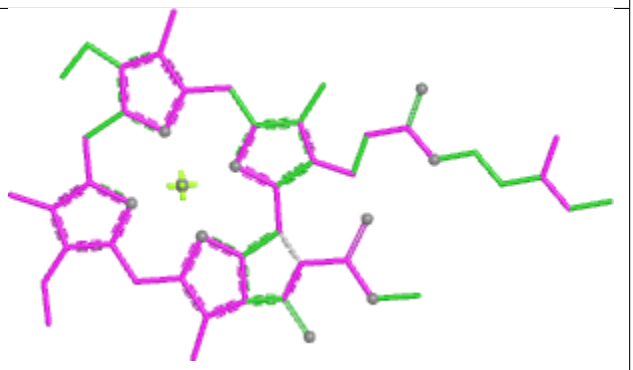


Rings

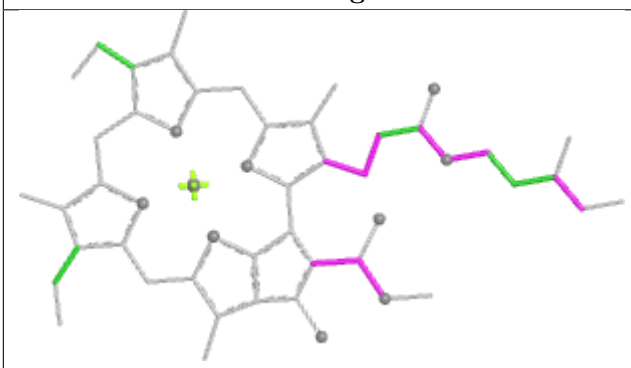
Ligand CLA dA 838



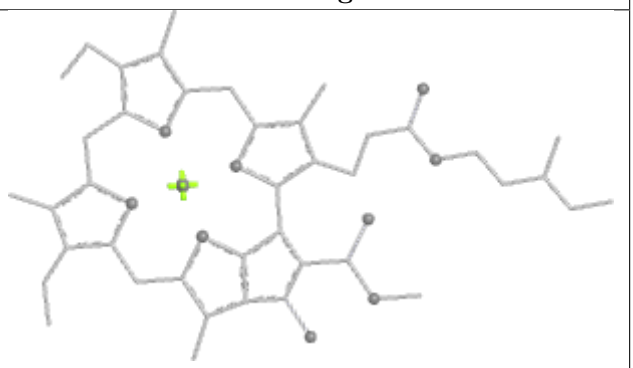
Bond lengths



Bond angles

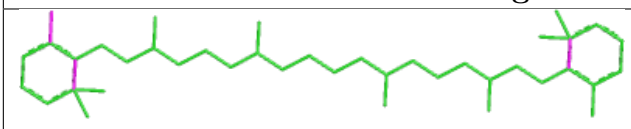


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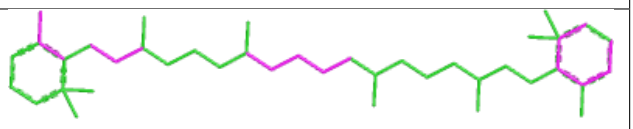


Rings

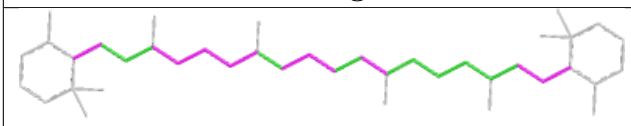
Ligand BCR bA 847



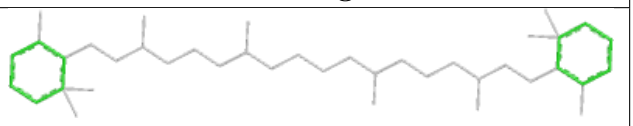
Bond lengths



Bond angles

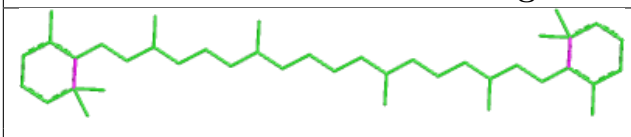


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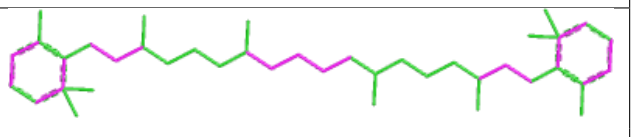


Rings

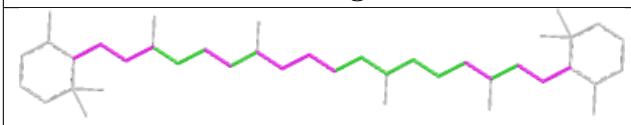
Ligand BCR cJ 103



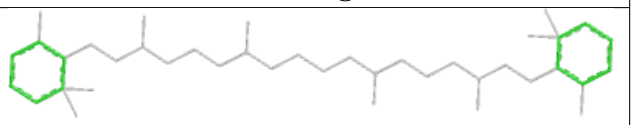
Bond lengths



Bond angles

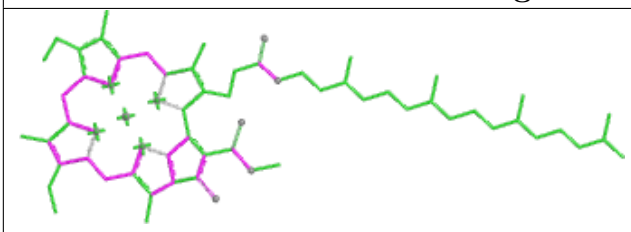


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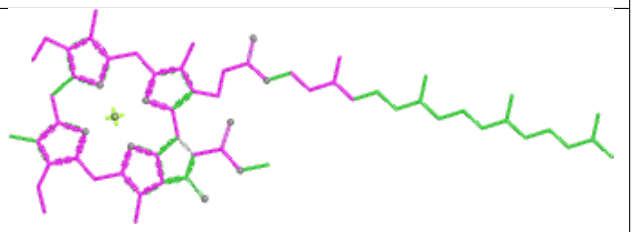


Rings

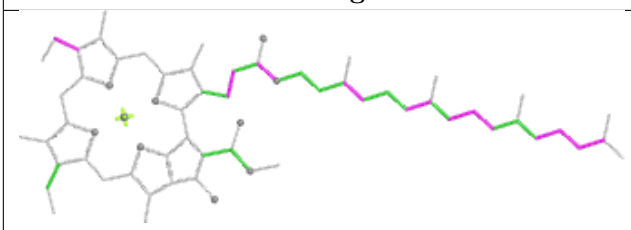
Ligand CLA dA 834



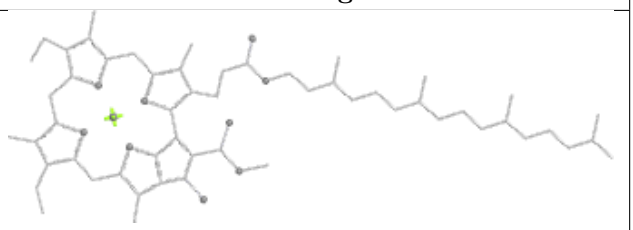
Bond lengths



Bond angles

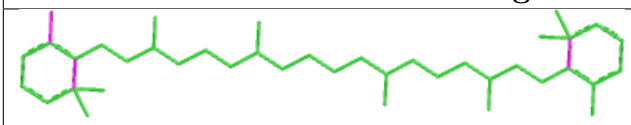


Torsions

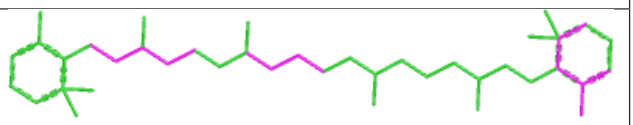


Rings

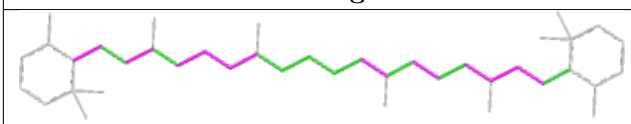
Ligand BCR aK 202



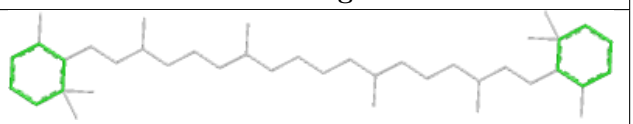
Bond lengths



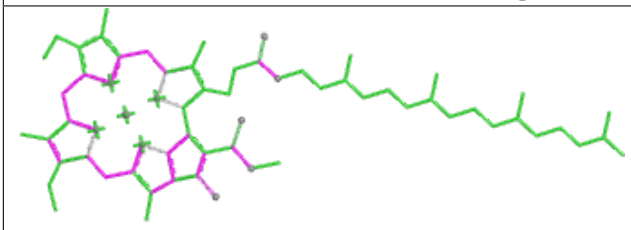
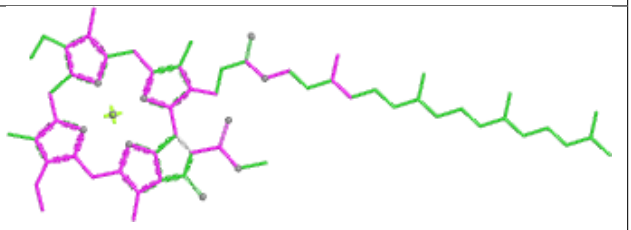
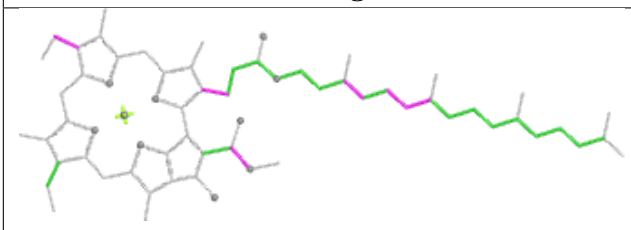
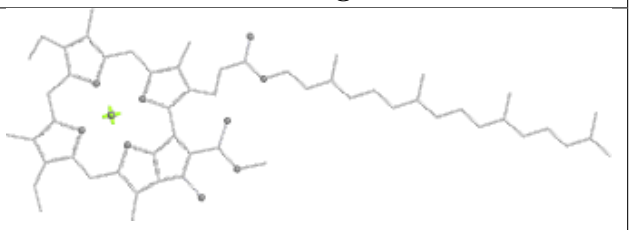
Bond angles

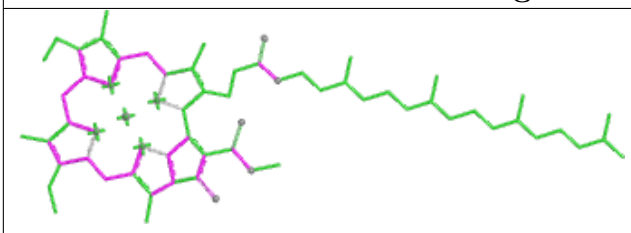
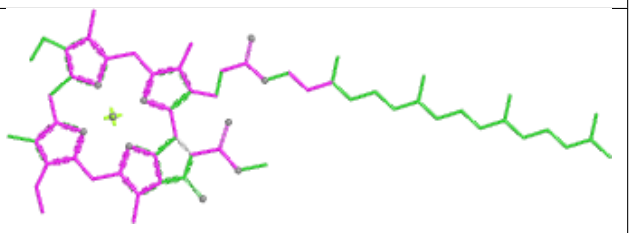
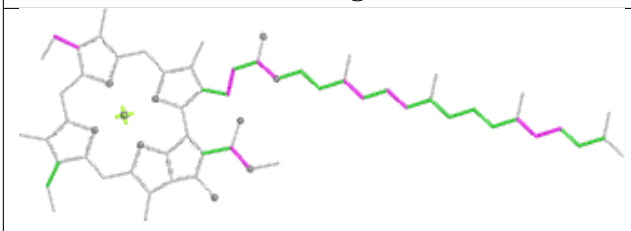
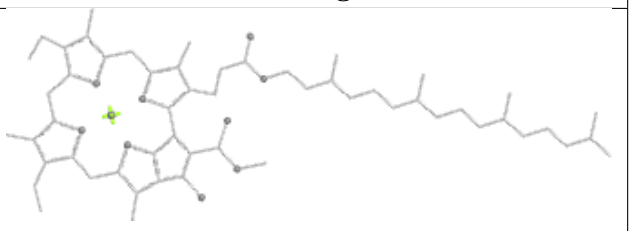


Torsions

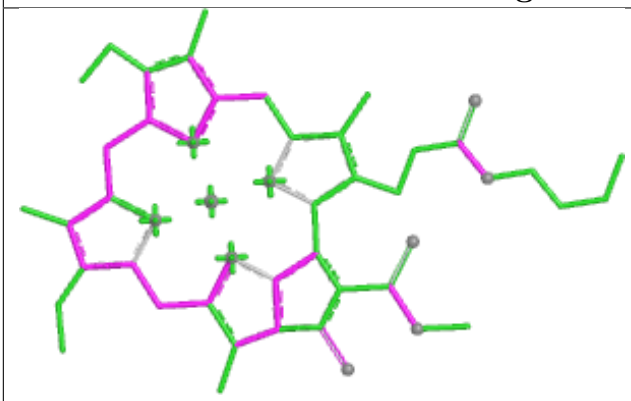


Rings

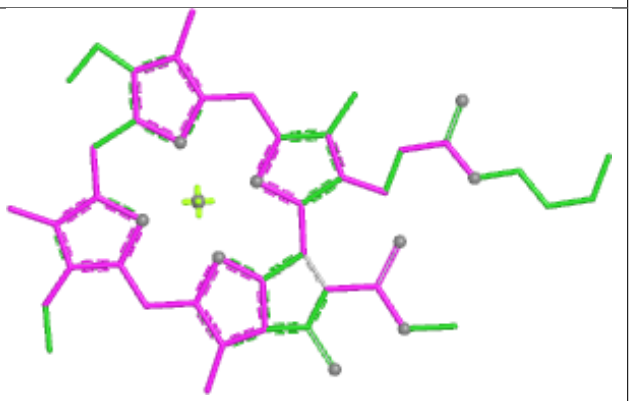
Ligand CLA dA 822	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA bA 830	
	
Bond lengths	Bond angles
	
Torsions	Rings

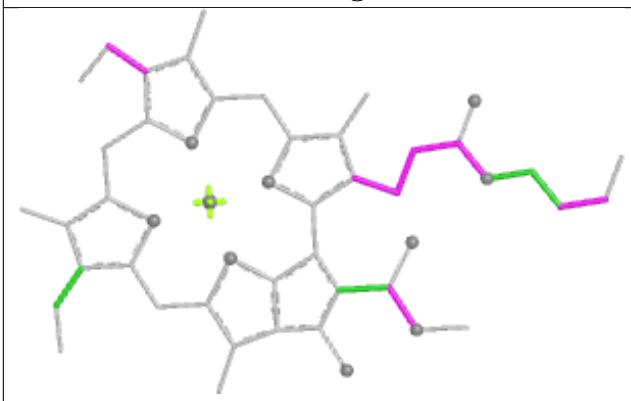
Ligand CLA aB 825



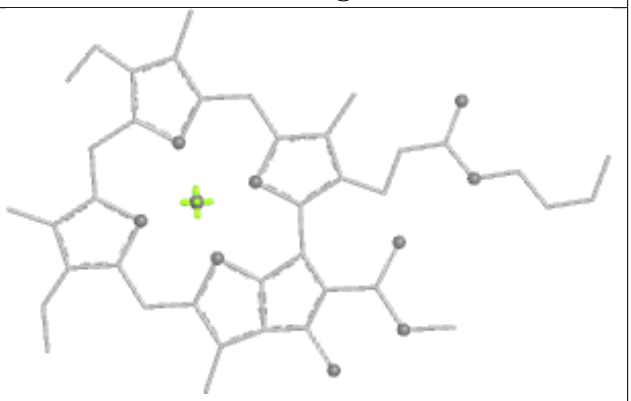
Bond lengths



Bond angles

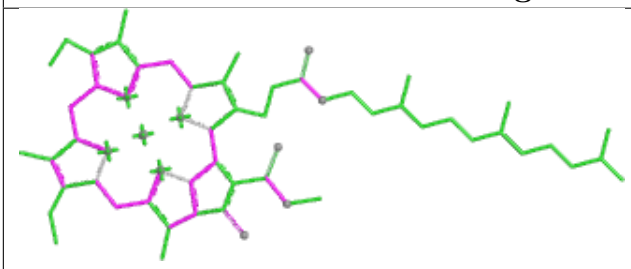


Torsions

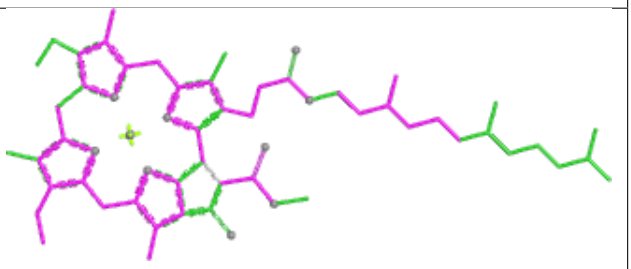


Rings

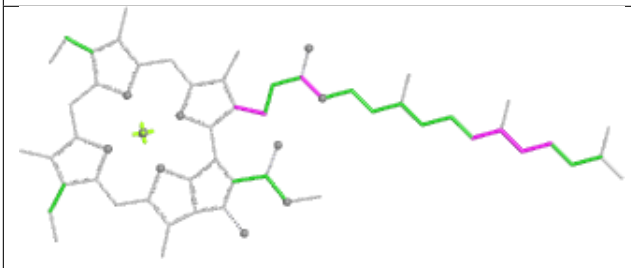
Ligand CLA dB 818



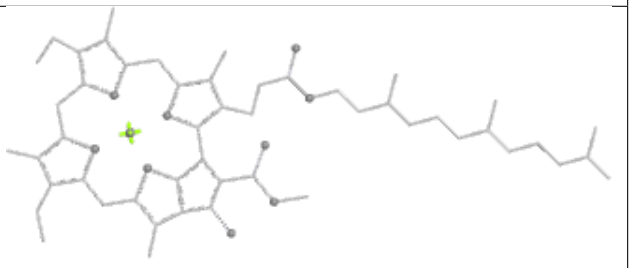
Bond lengths



Bond angles

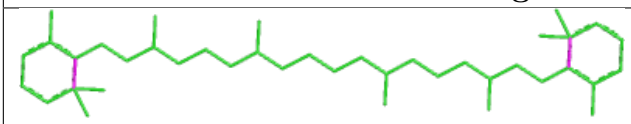


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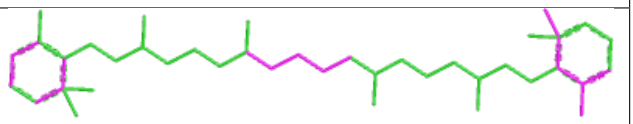


Rings

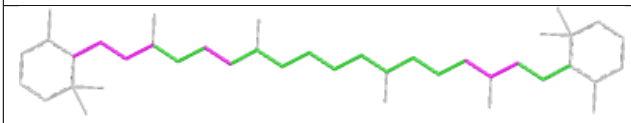
Ligand BCR dA 848



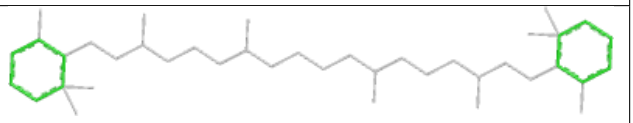
Bond lengths



Bond angles

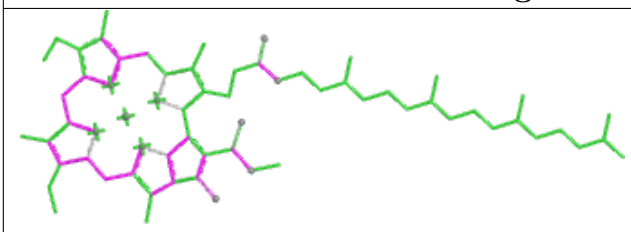


Torsions

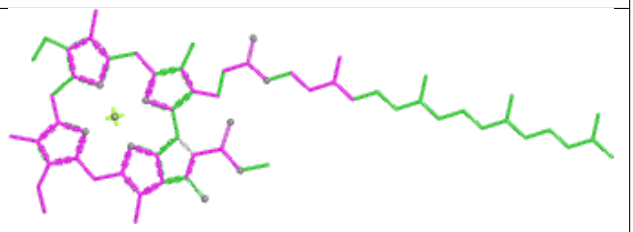


Rings

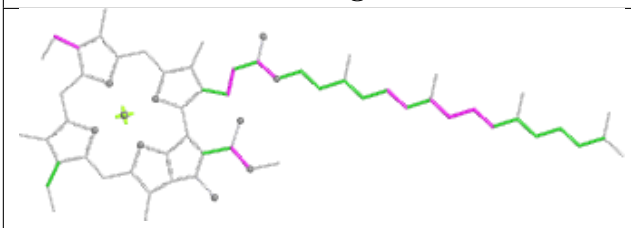
Ligand CLA bB 831



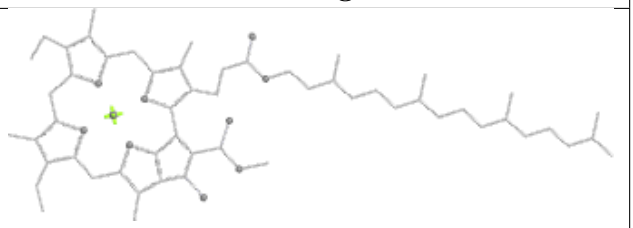
Bond lengths



Bond angles

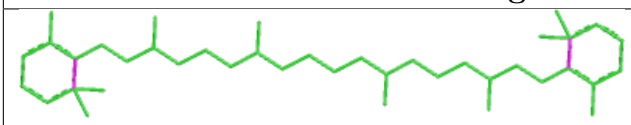


Torsions

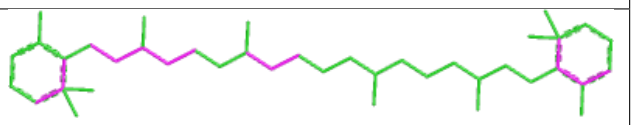


Rings

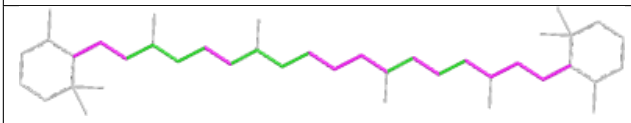
Ligand BCR bM 101



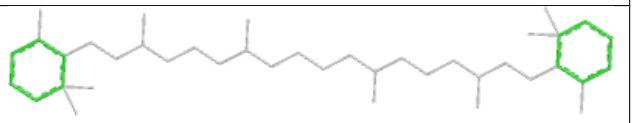
Bond lengths



Bond angles

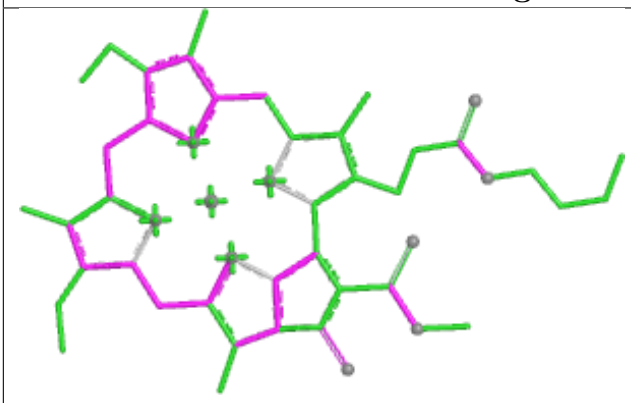


Torsions

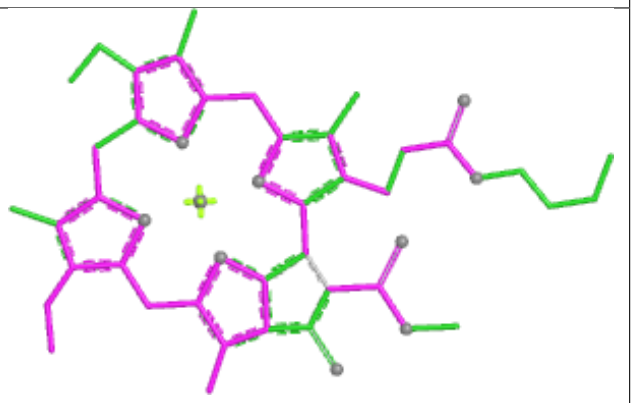


Rings

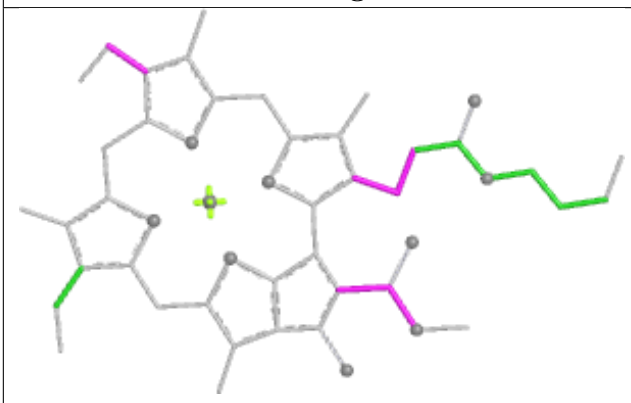
Ligand CLA dA 817



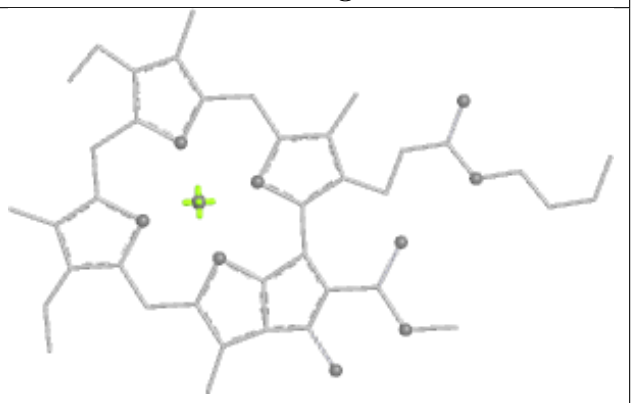
Bond lengths



Bond angles

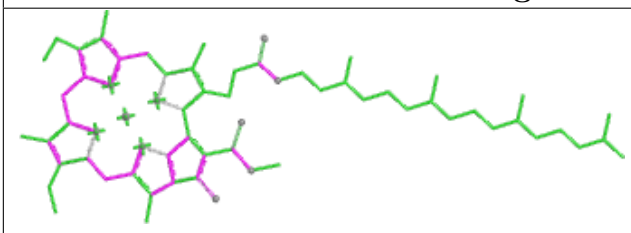


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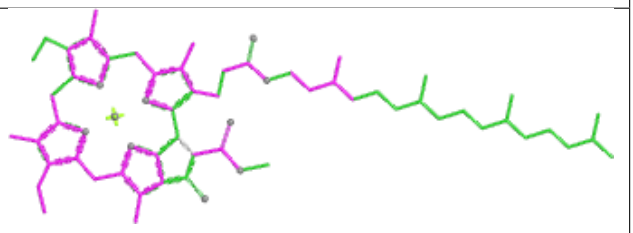


Rings

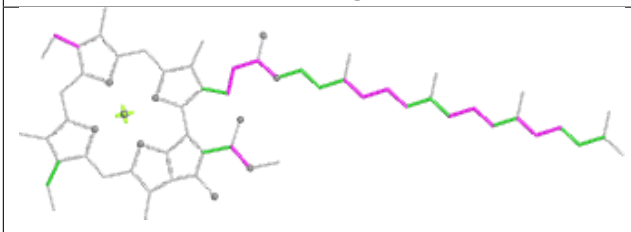
Ligand CLA dA 843



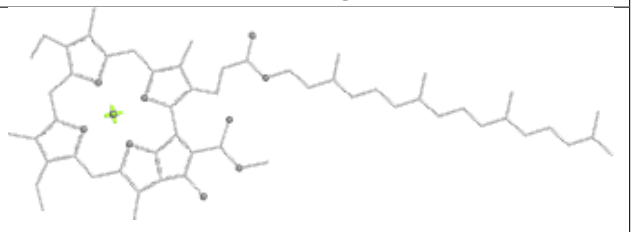
Bond lengths



Bond angles

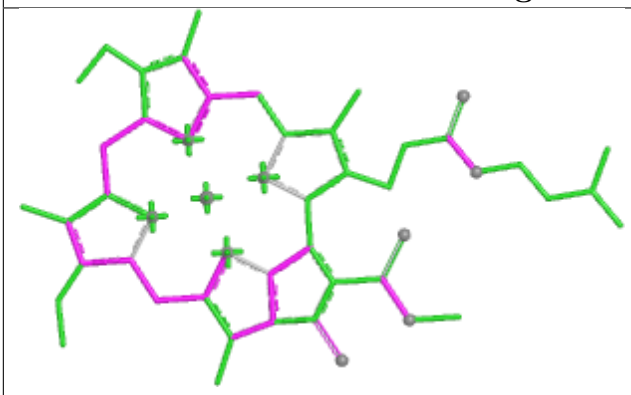


Torsions

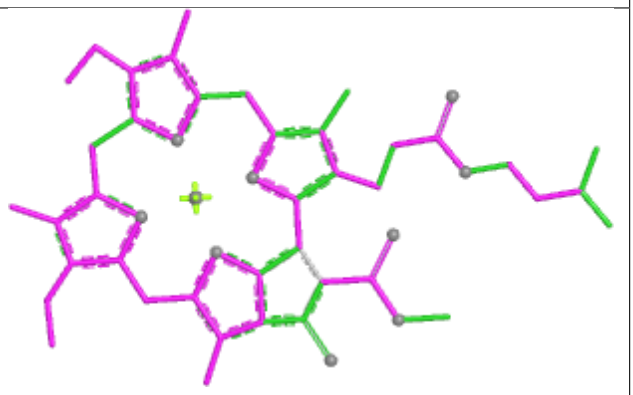


Rings

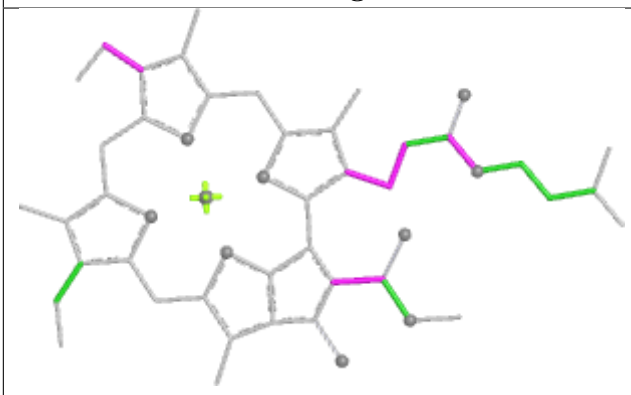
Ligand CLA aA 832



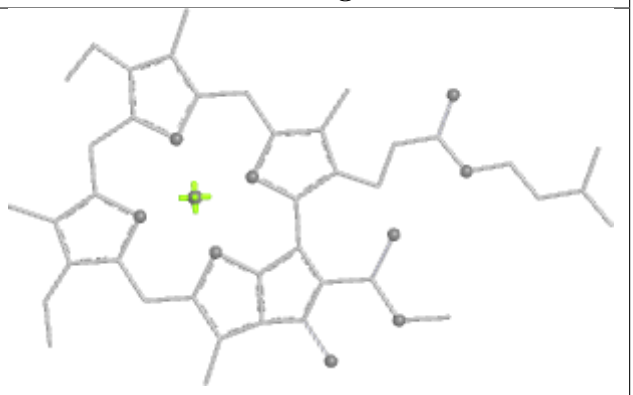
Bond lengths



Bond angles

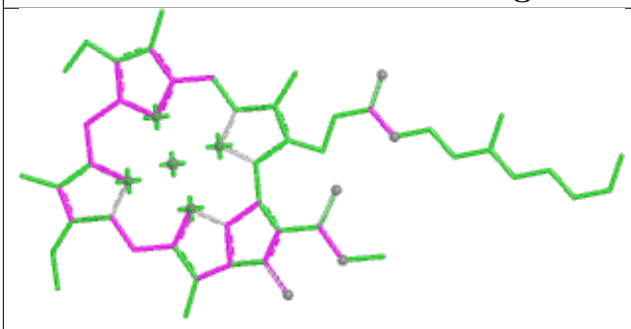


Torsions

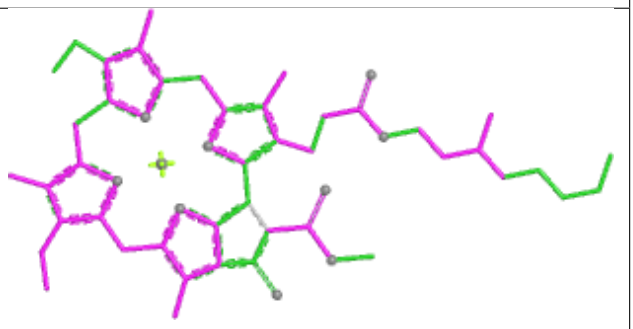


Rings

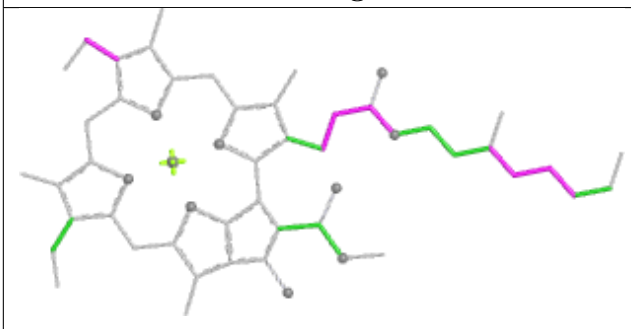
Ligand CLA dA 813



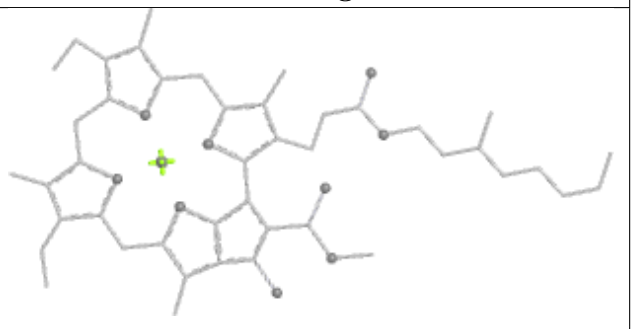
Bond lengths



Bond angles

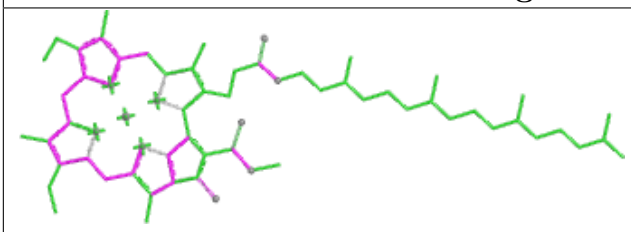


Torsions

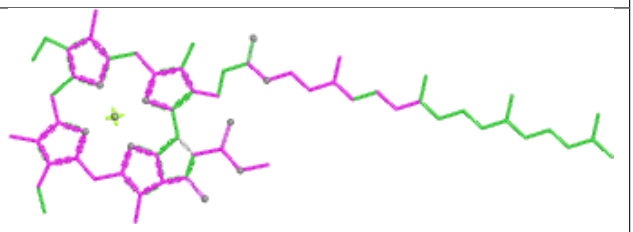


Rings

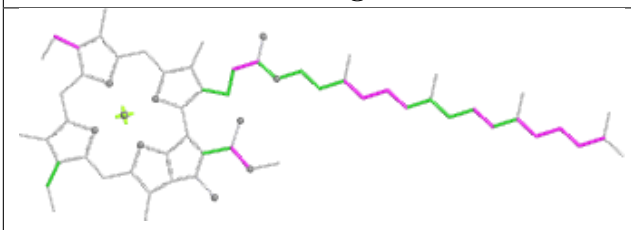
Ligand CLA aB 808



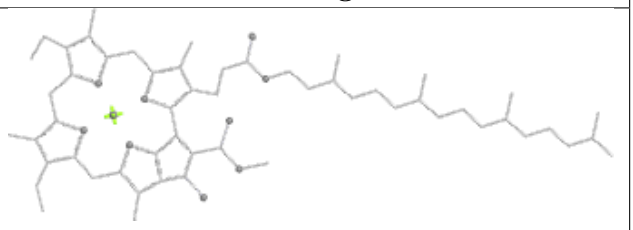
Bond lengths



Bond angles

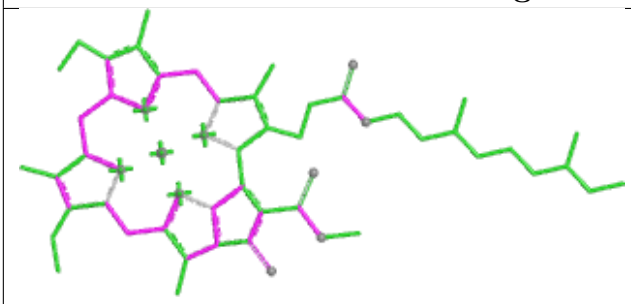


Torsions

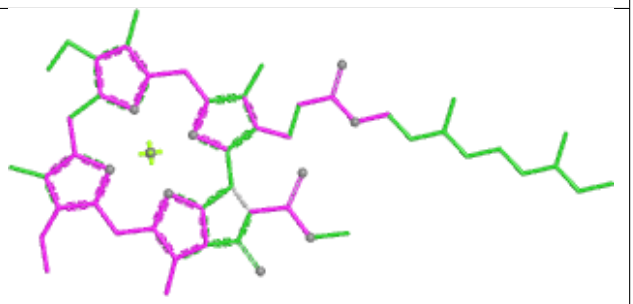


Rings

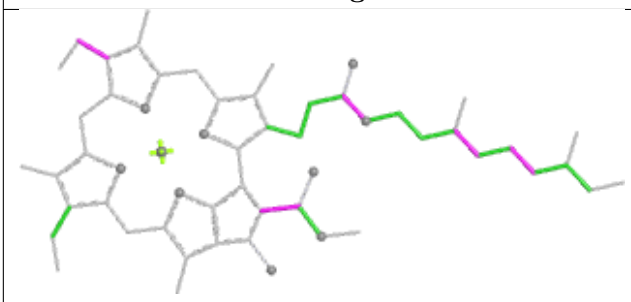
Ligand CLA bA 839



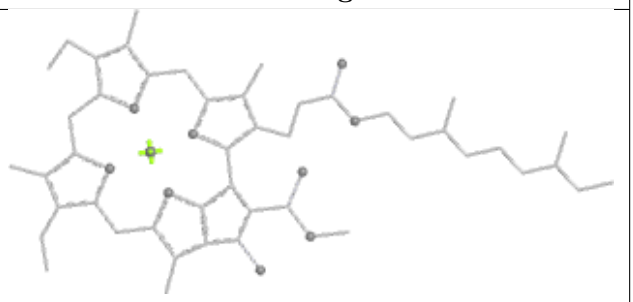
Bond lengths



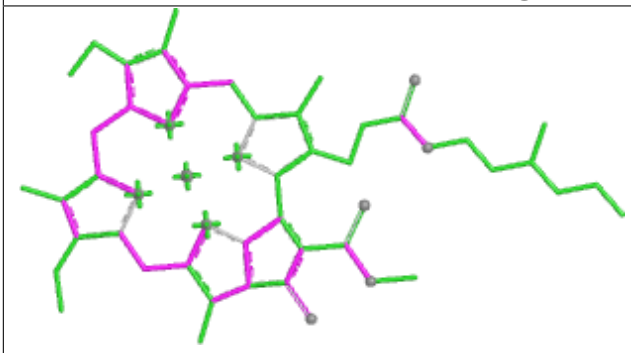
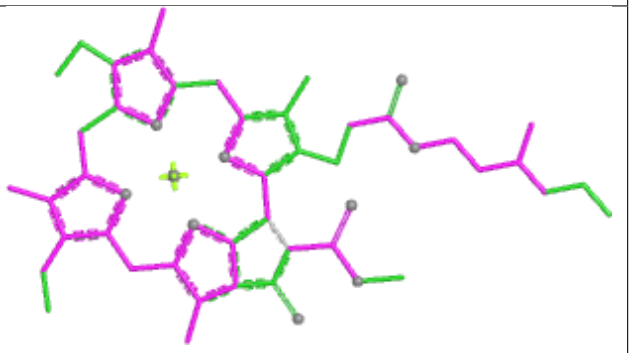
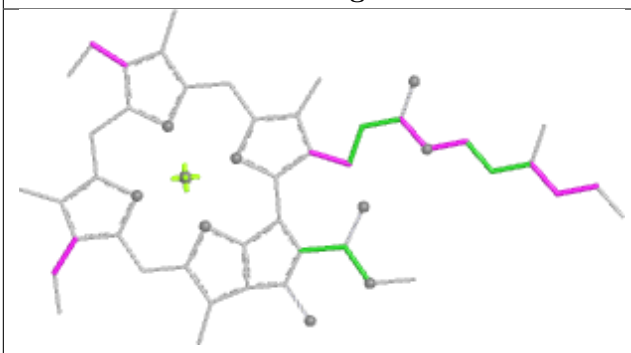
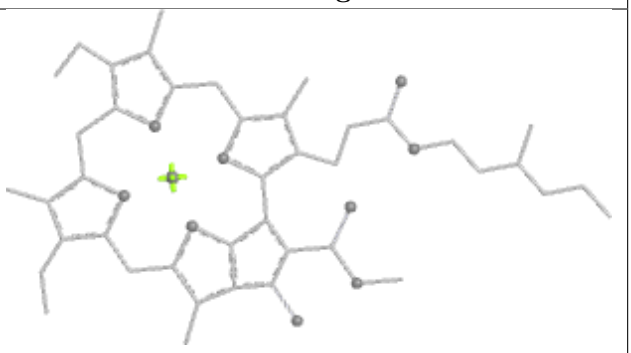
Bond angles

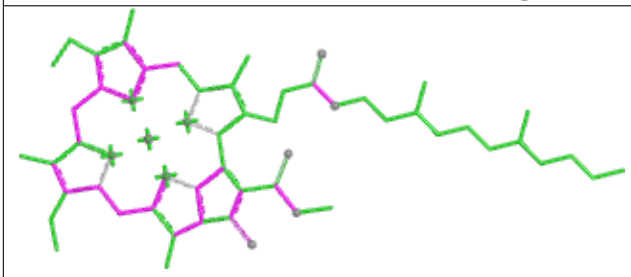
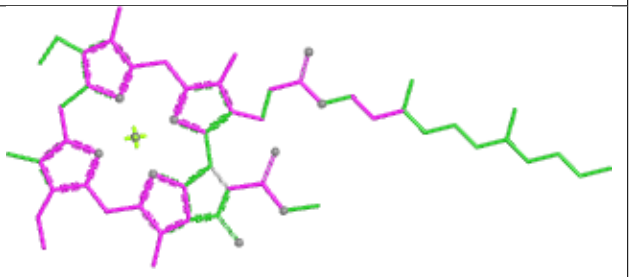
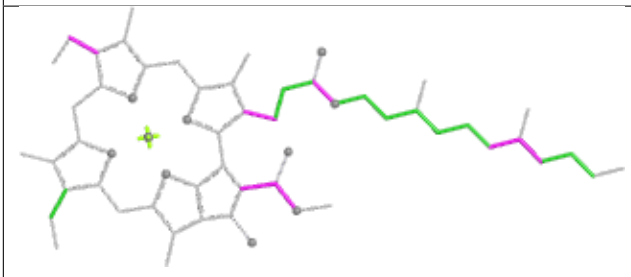
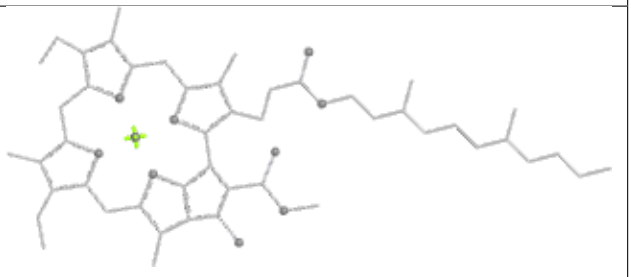


Torsions

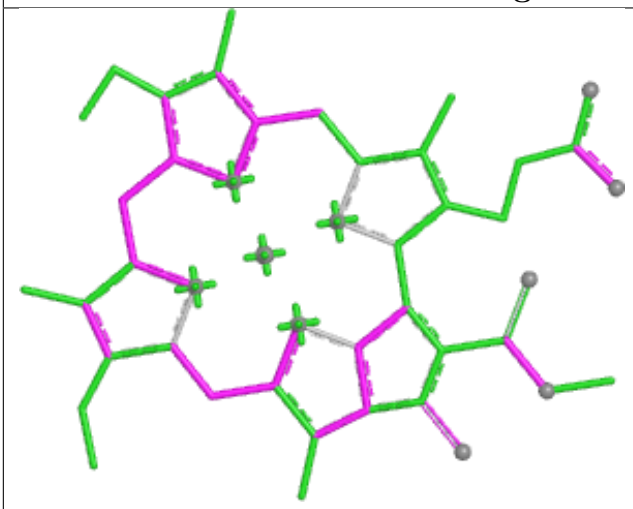


Rings

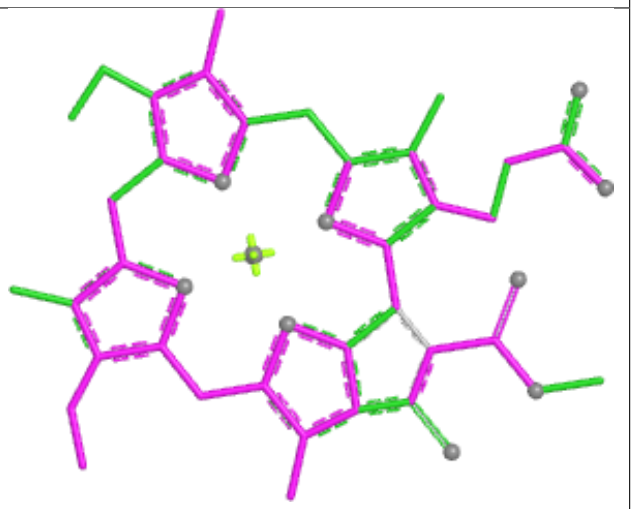
Ligand CLA cA 843	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA aB 827	
	
Bond lengths	Bond angles
	
Torsions	Rings

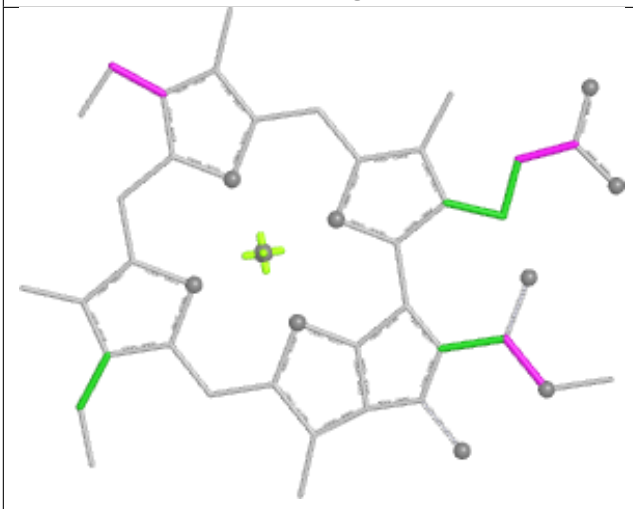
Ligand CLA bA 811



Bond lengths



Bond angles

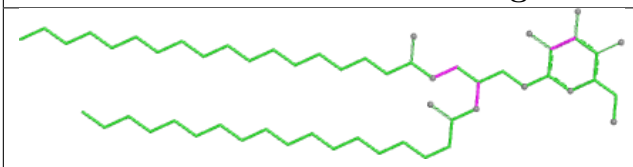


Torsions

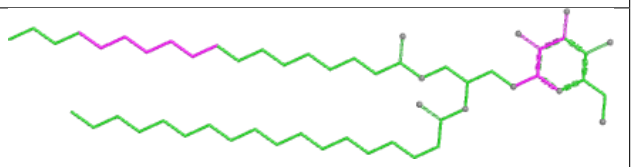


Rings

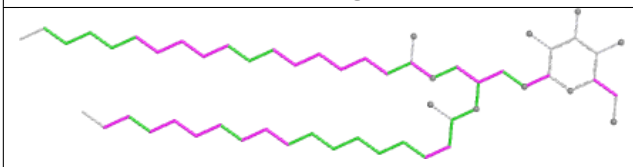
Ligand LMG dB 837



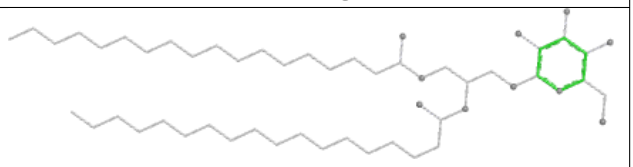
Bond lengths



Bond angles

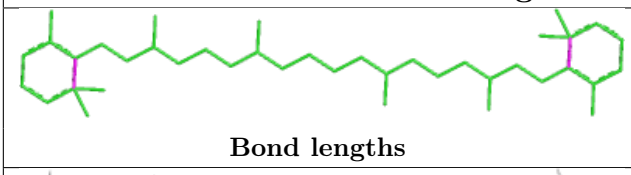


Torsions

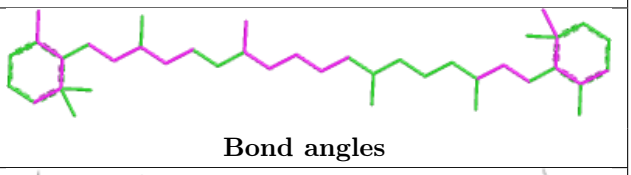


Rings

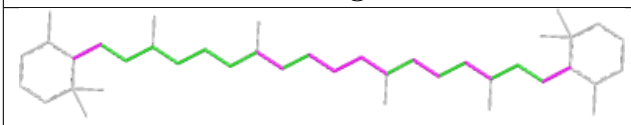
Ligand BCR aF 203



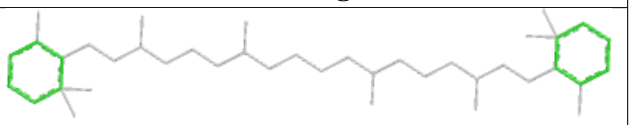
Bond lengths



Bond angles

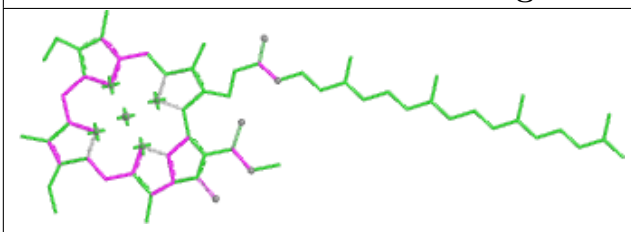


Torsions

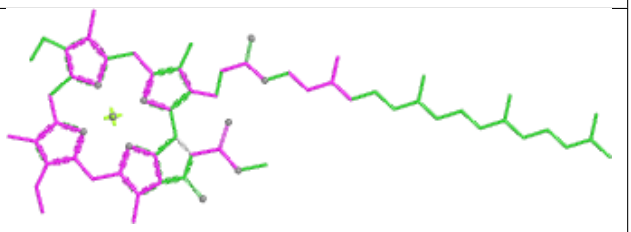


Rings

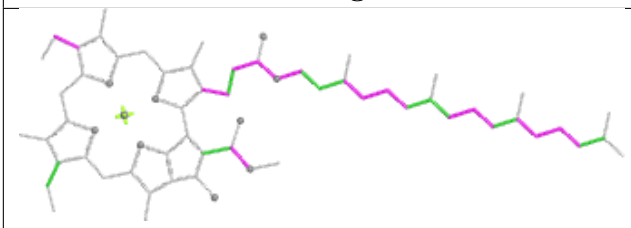
Ligand CLA dL 202



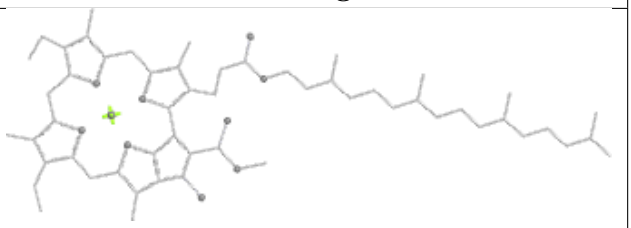
Bond lengths



Bond angles

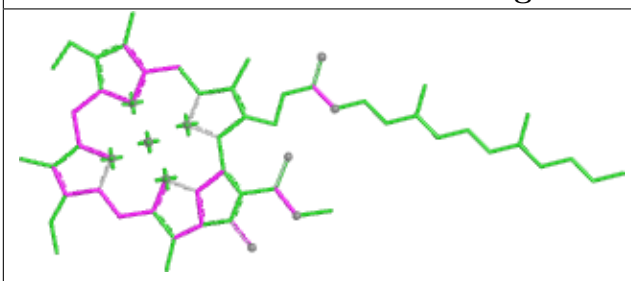


Torsions

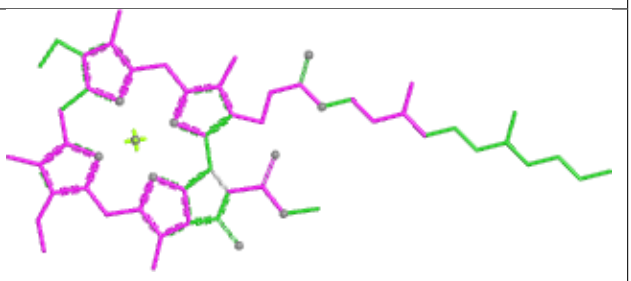


Rings

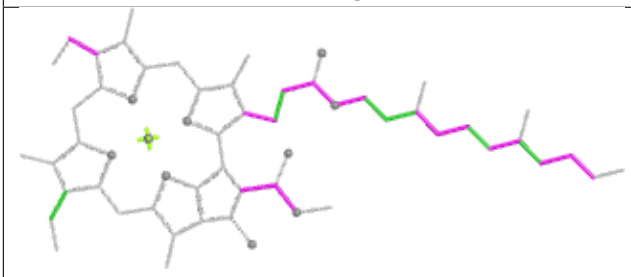
Ligand CLA dB 826



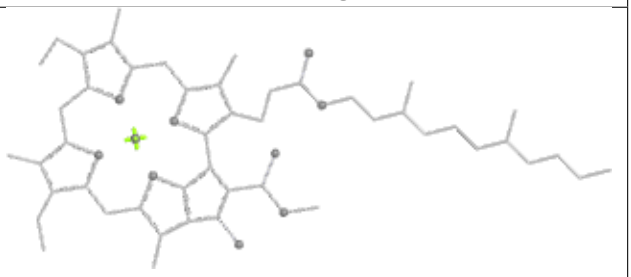
Bond lengths



Bond angles

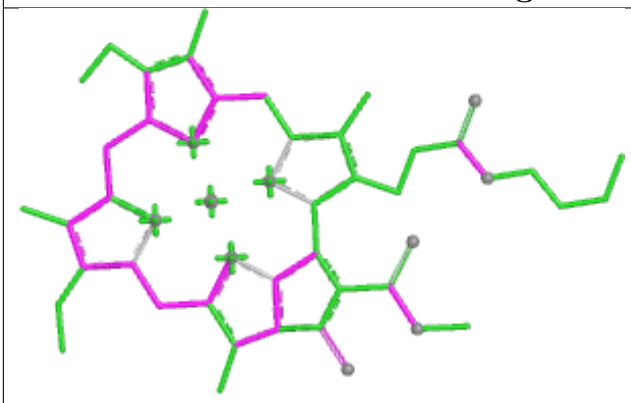


Torsions

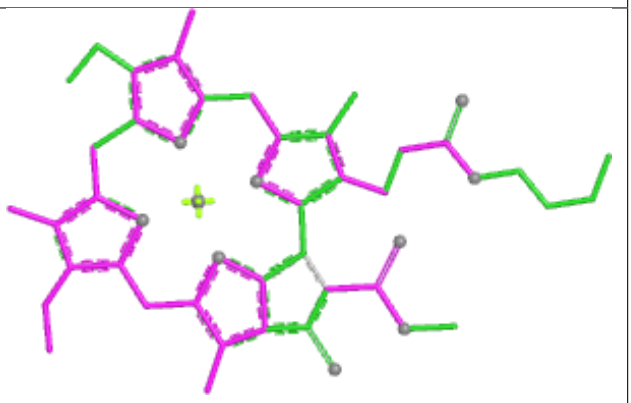


Rings

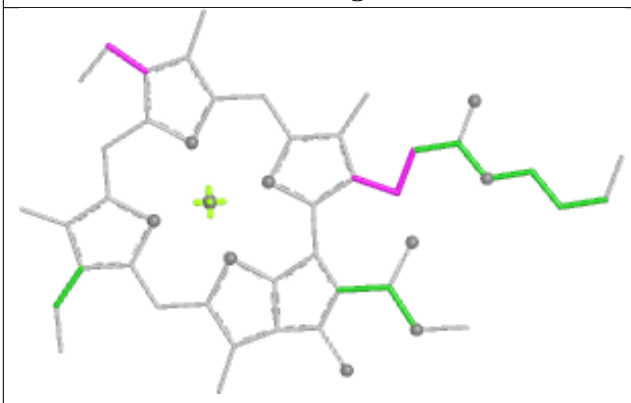
Ligand CLA cA 817



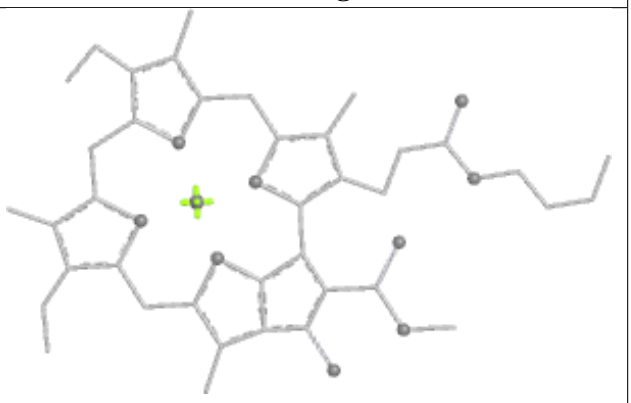
Bond lengths



Bond angles

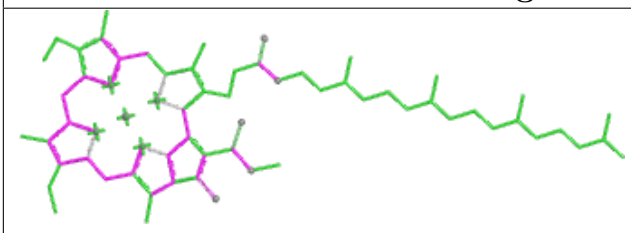


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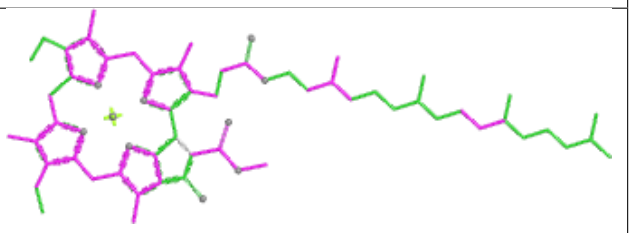


Rings

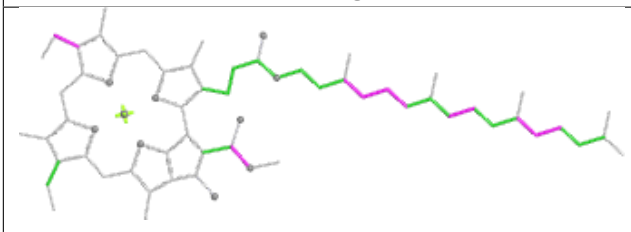
Ligand CLA cB 803



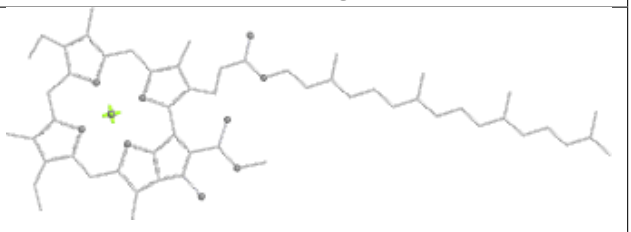
Bond lengths



Bond angles

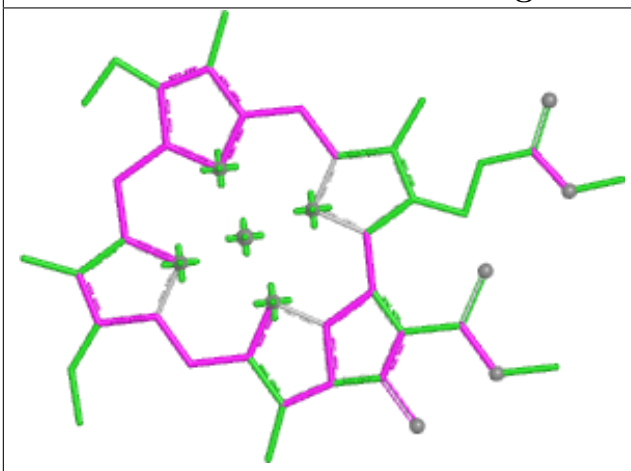


Torsions

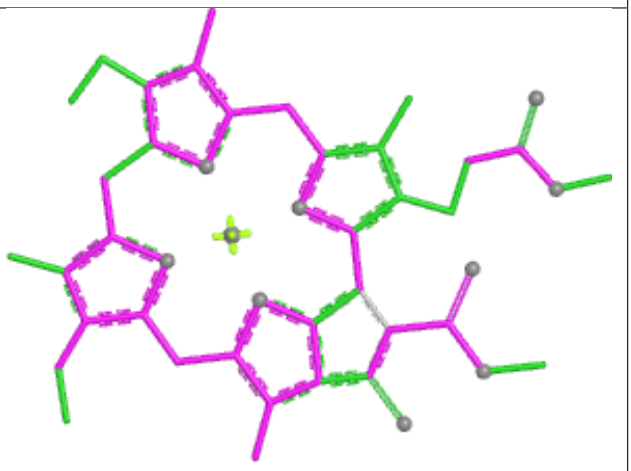


Rings

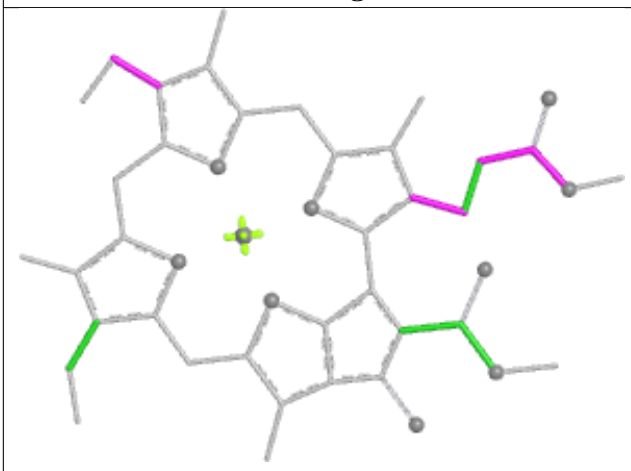
Ligand CLA cK 204



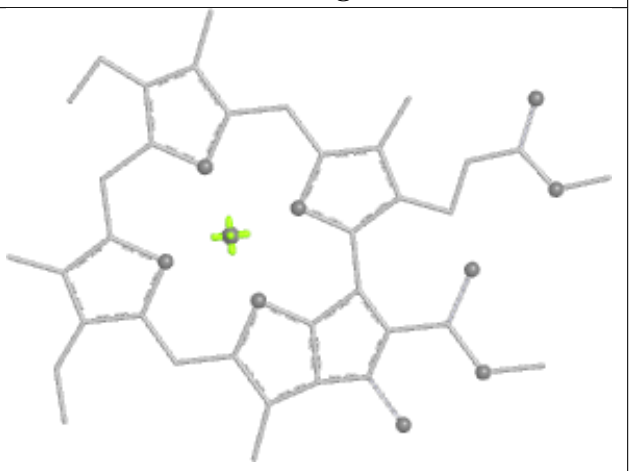
Bond lengths



Bond angles

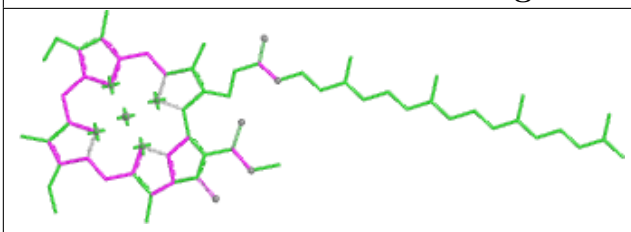


Torsions

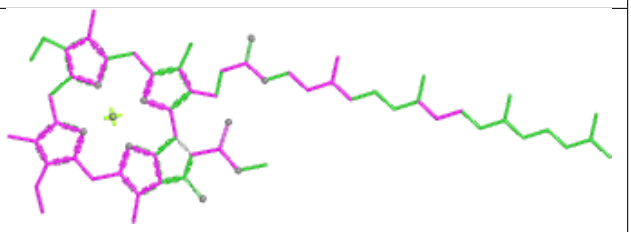


Rings

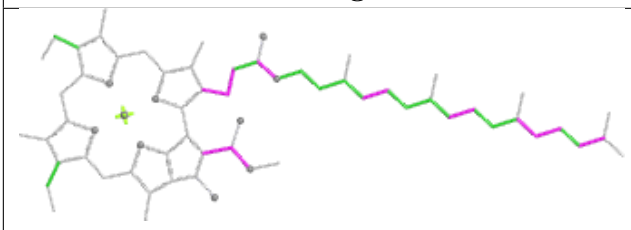
Ligand CLA dB 832



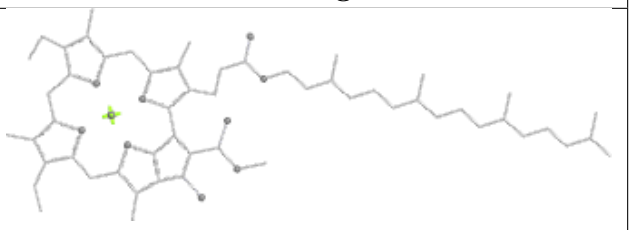
Bond lengths



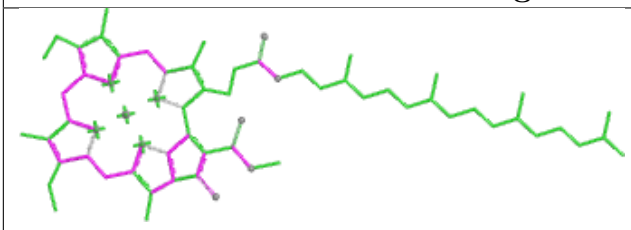
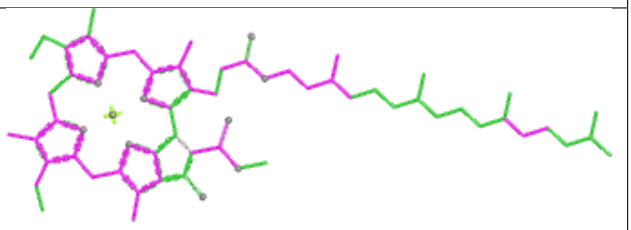
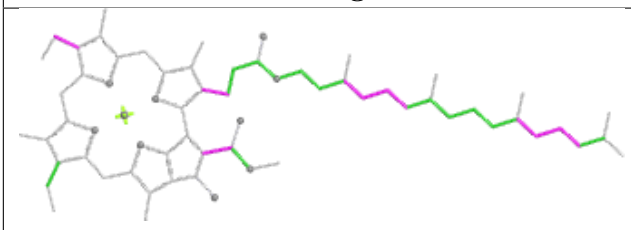
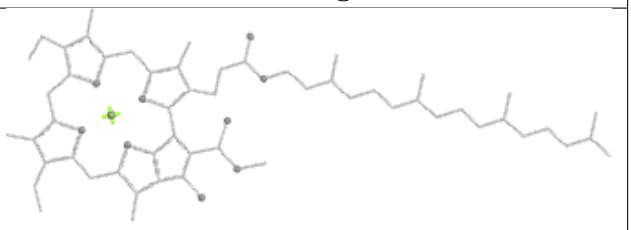
Bond angles

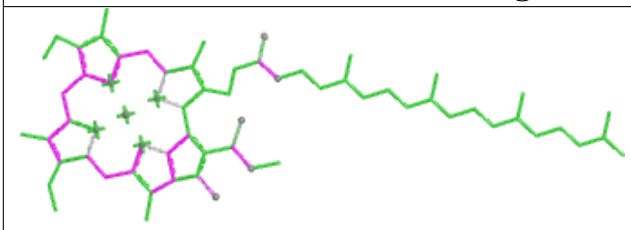
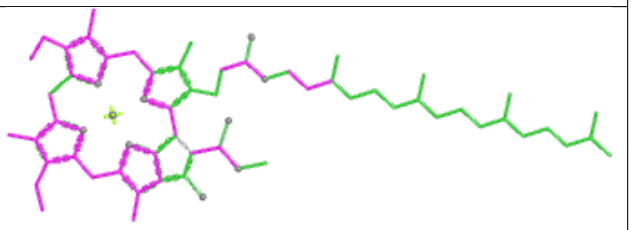
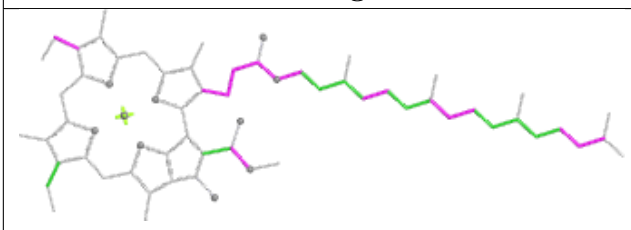
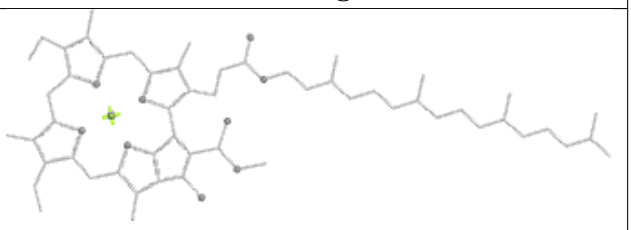


Torsions

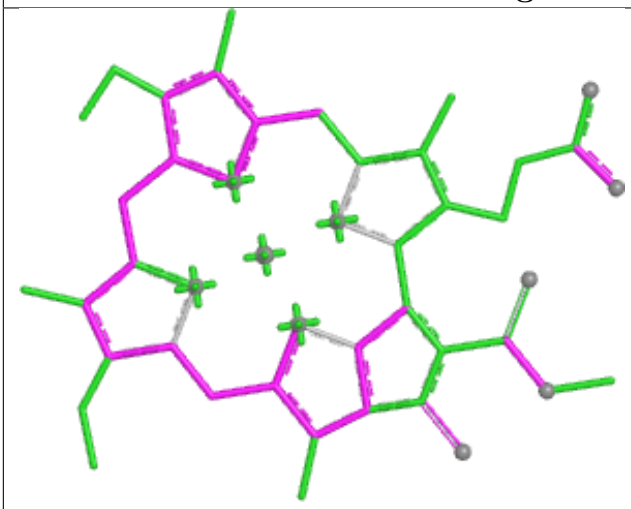


Rings

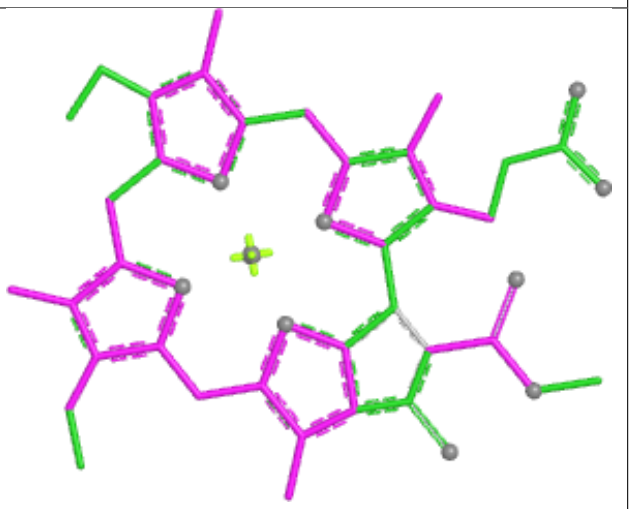
Ligand CLA bA 831	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA bA 841	
	
Bond lengths	Bond angles
	
Torsions	Rings

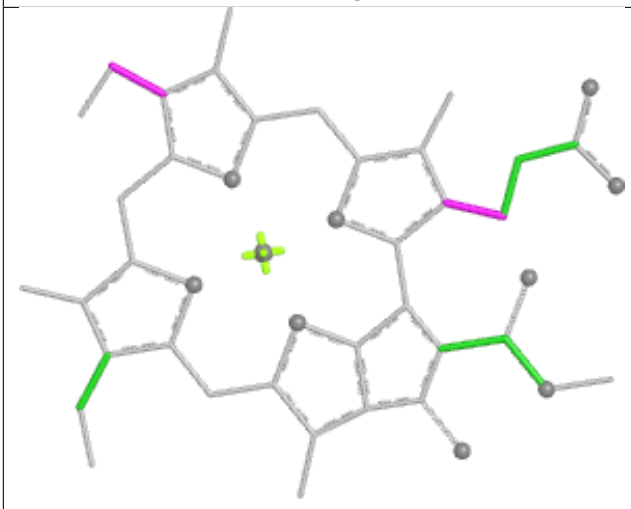
Ligand CLA cB 813



Bond lengths



Bond angles

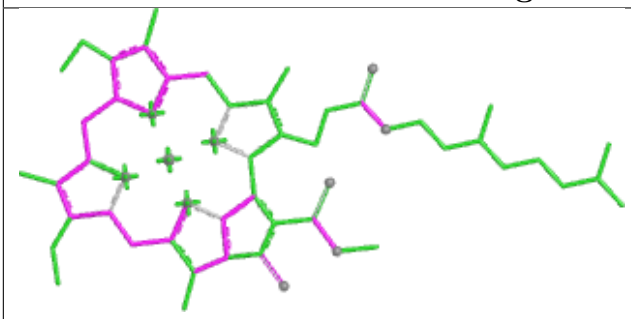


Torsions

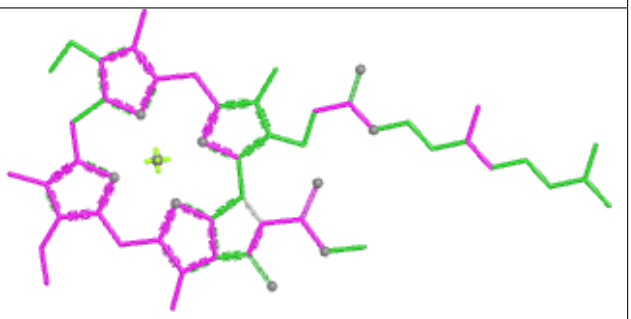


Rings

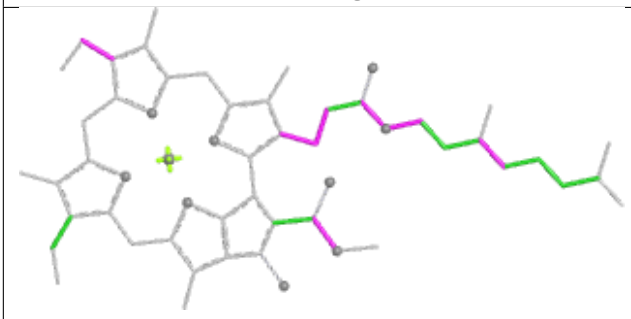
Ligand CLA aB 817



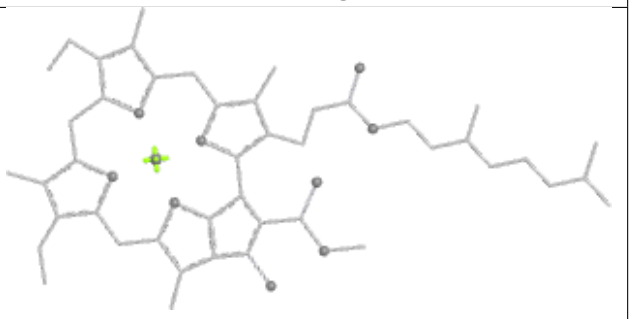
Bond lengths



Bond angles

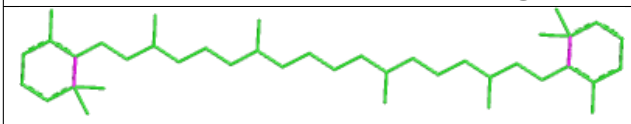


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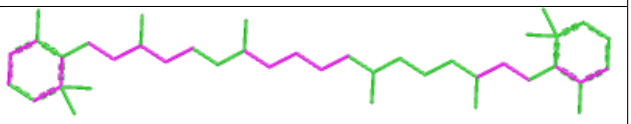


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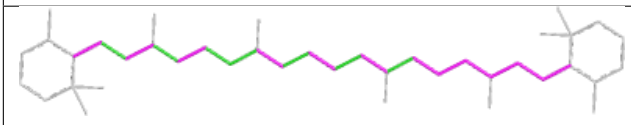
Ligand BCR cB 837



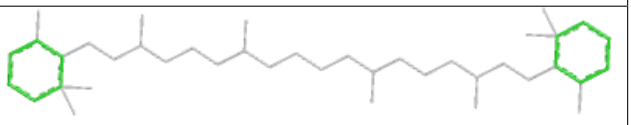
Bond lengths



Bond angles

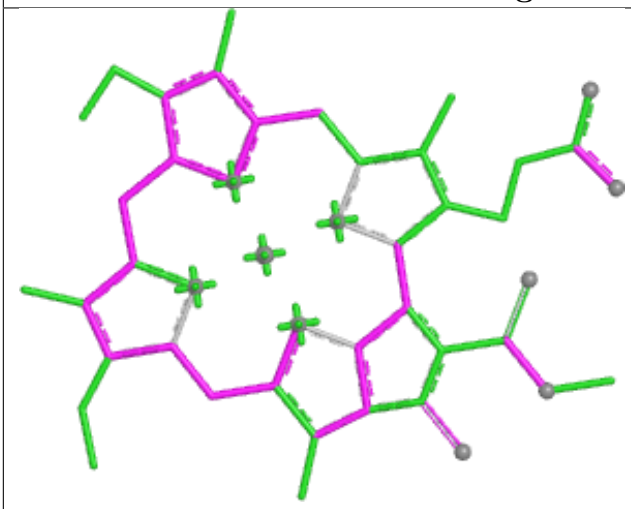


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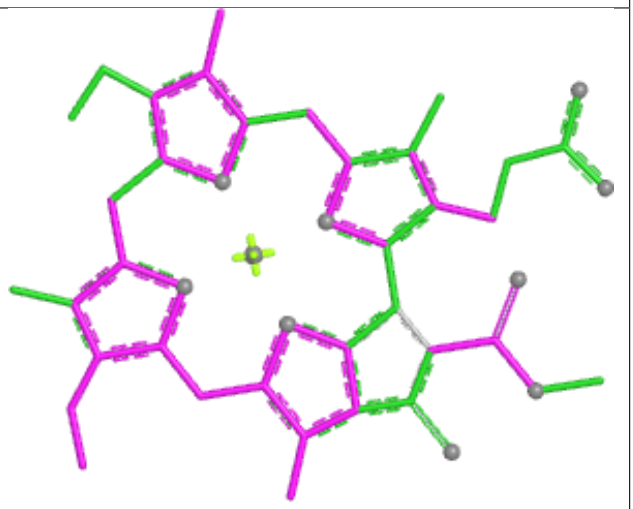


Rings

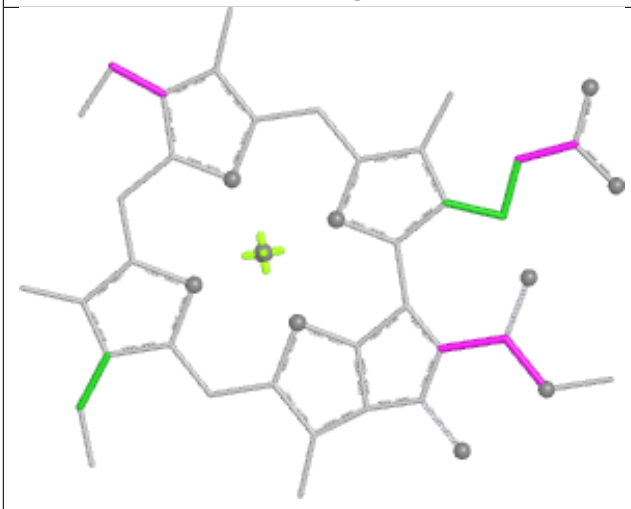
Ligand CLA aB 816



Bond lengths



Bond angles

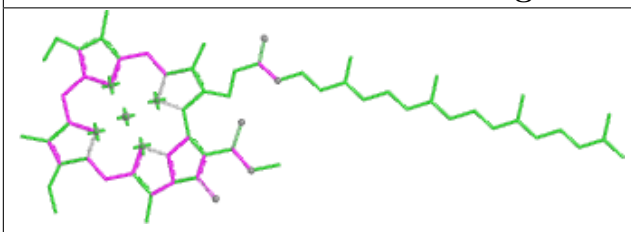


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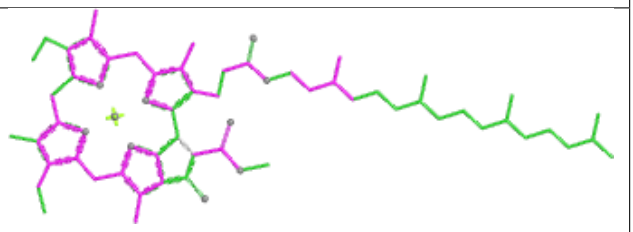


Rings

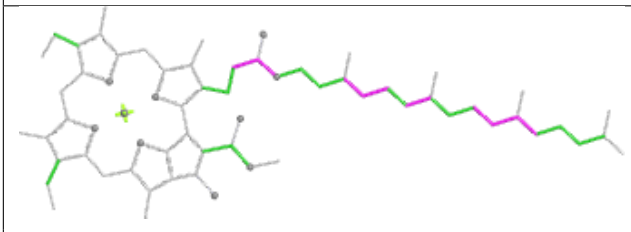
Ligand CLA aA 828



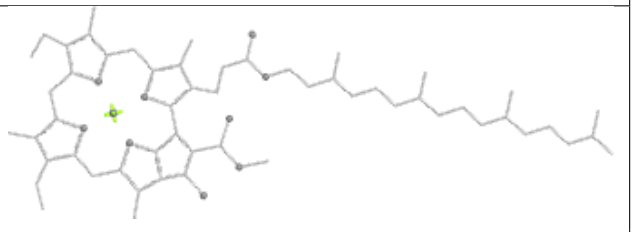
Bond lengths



Bond angles

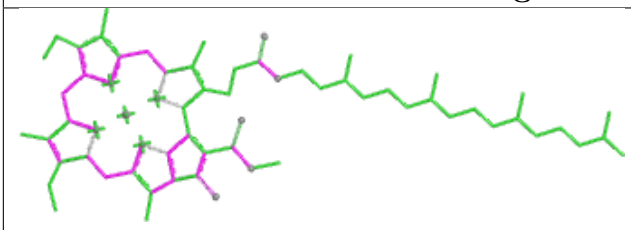


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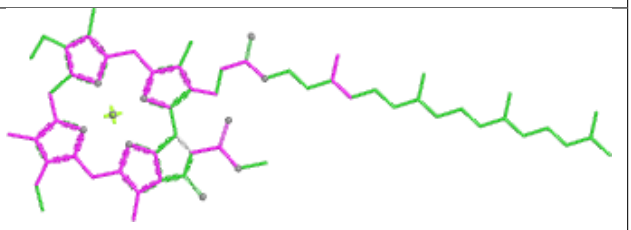


Rings

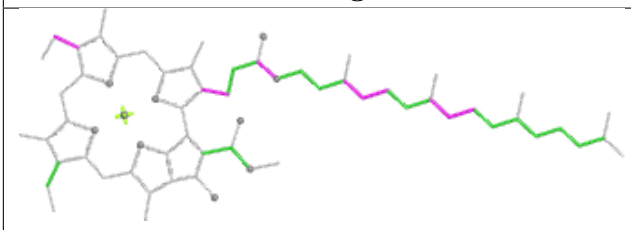
Ligand CLA bA 833



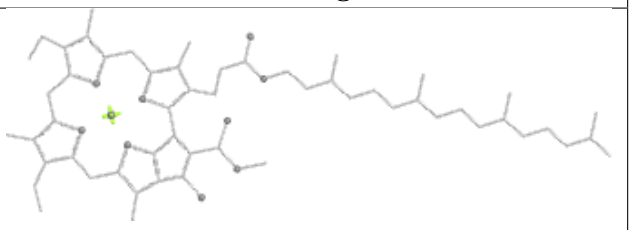
Bond lengths



Bond angles

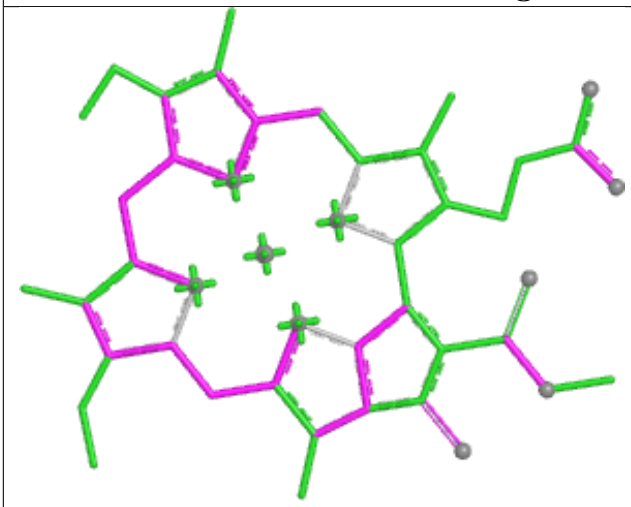


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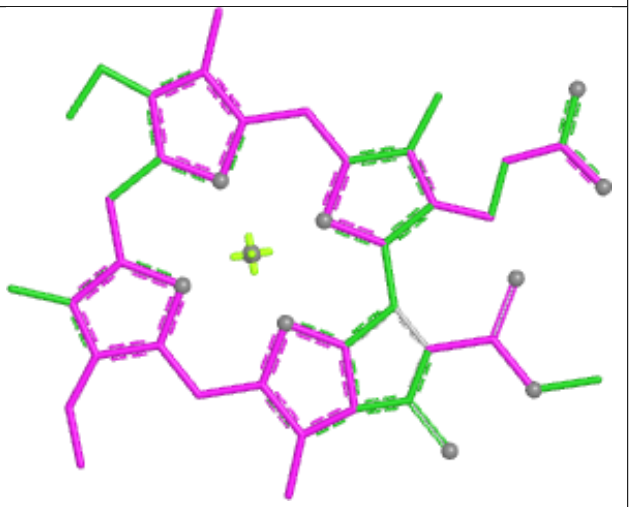


Rings

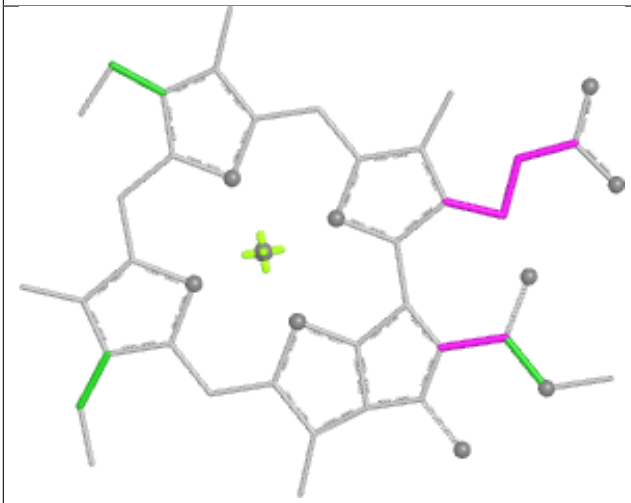
Ligand CLA aA 804



Bond lengths



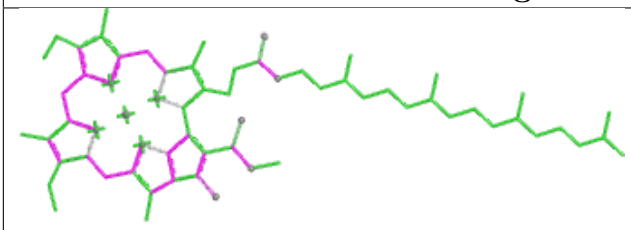
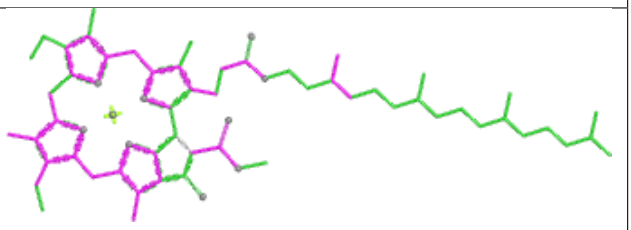
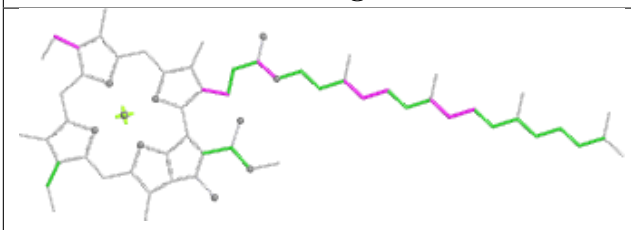
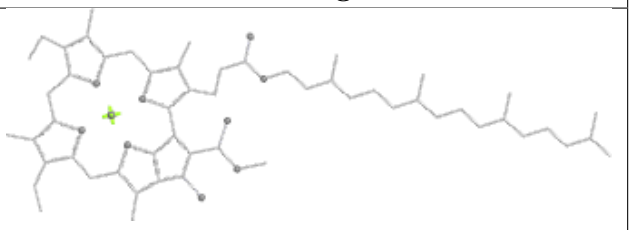
Bond angles

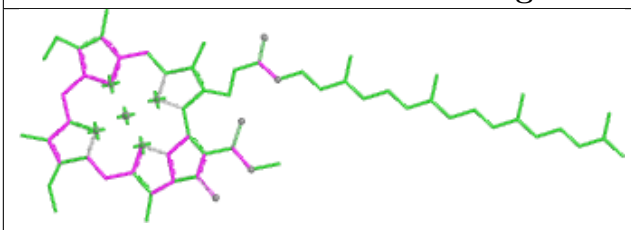
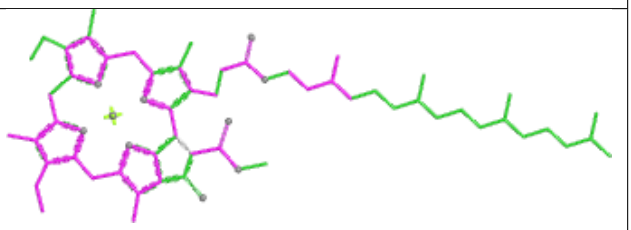
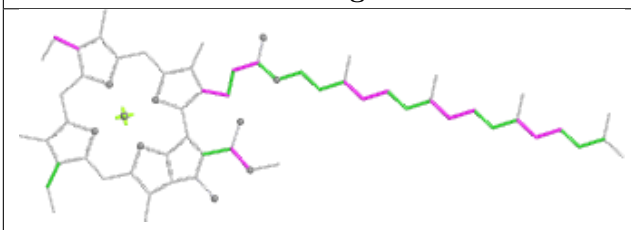
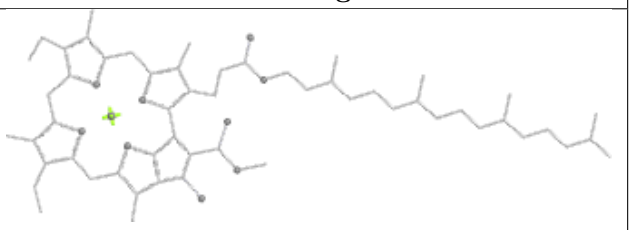


Torsions

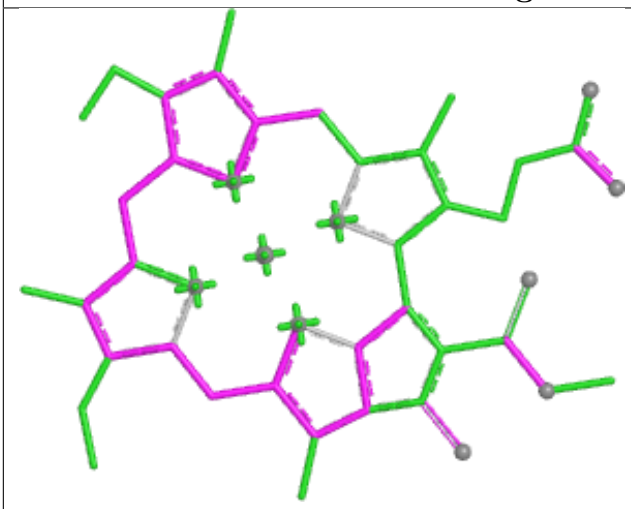


Rings

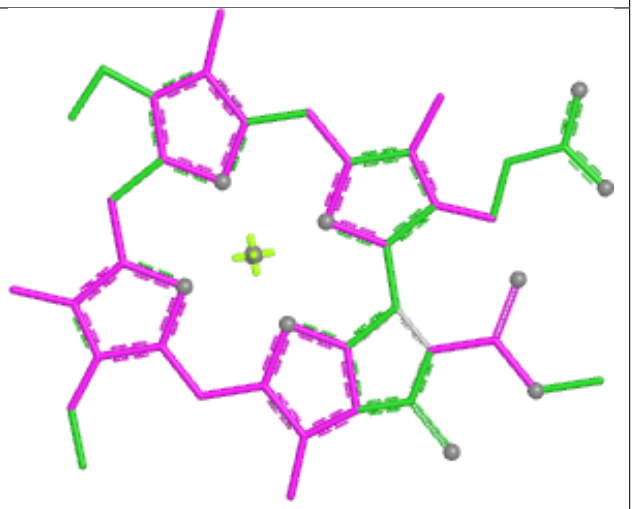
Ligand CLA dA 833	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand CLA cA 829	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

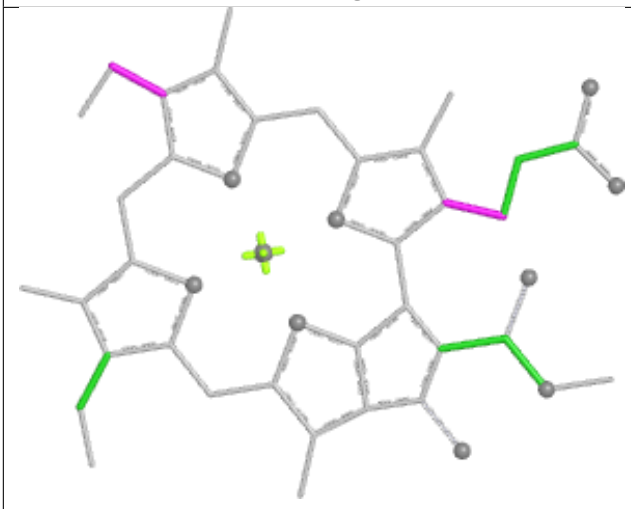
Ligand CLA aB 813



Bond lengths



Bond angles

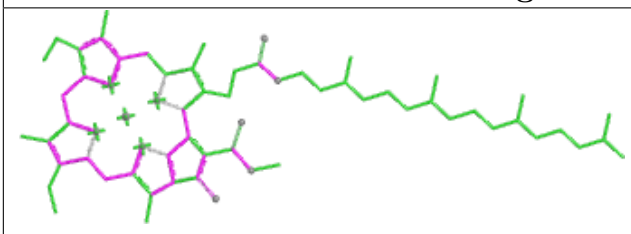


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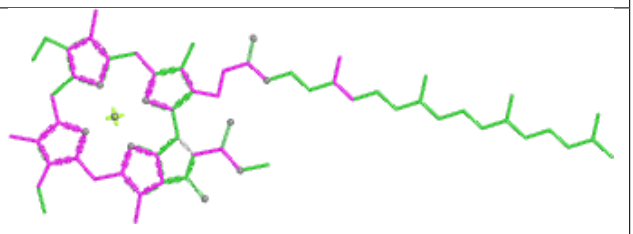


Rings

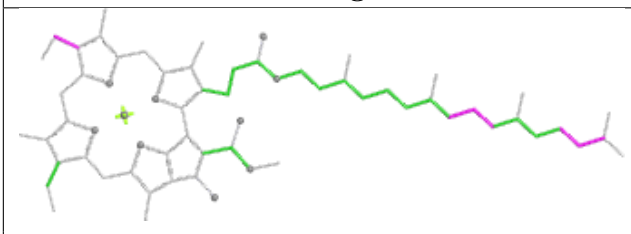
Ligand CLA cB 805



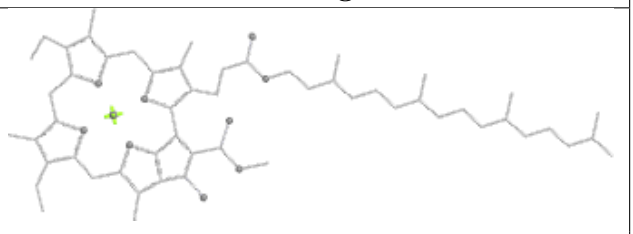
Bond lengths



Bond angles

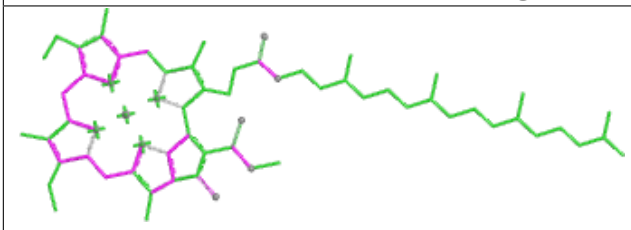


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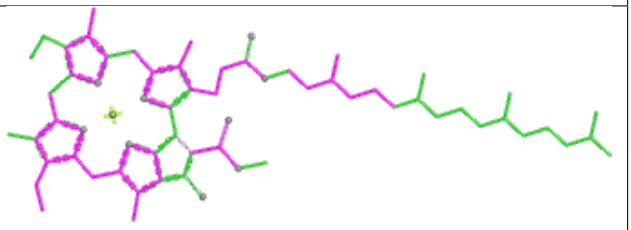


Rings

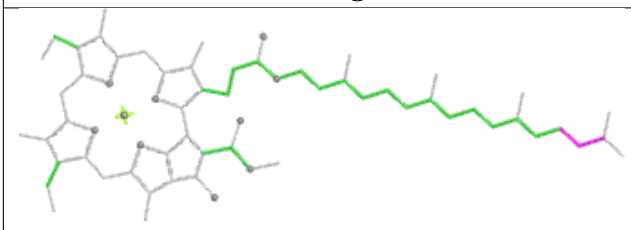
Ligand CLA dB 808



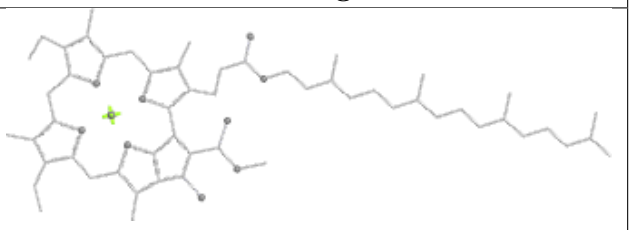
Bond lengths



Bond angles

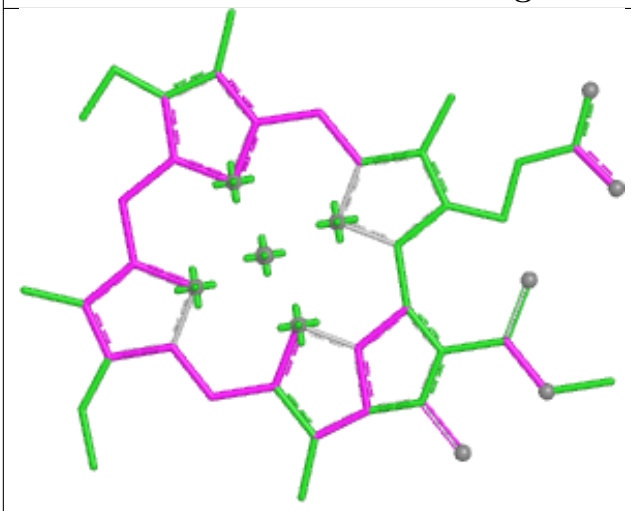


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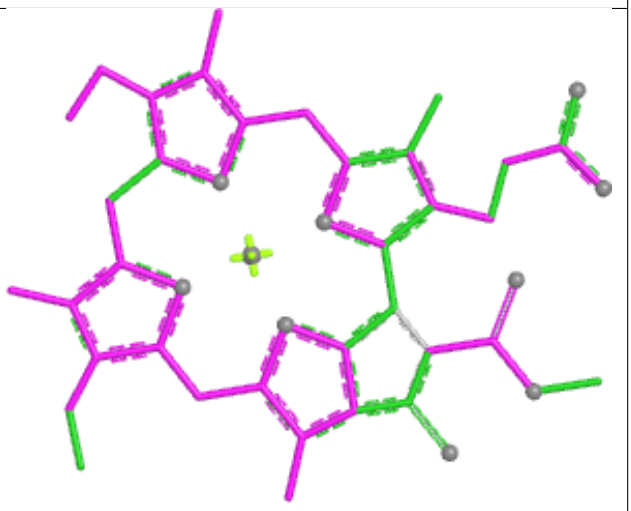


Rings

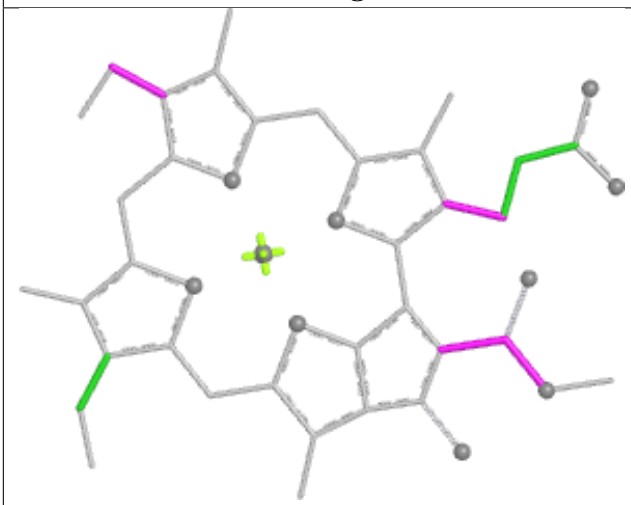
Ligand CLA dB 815



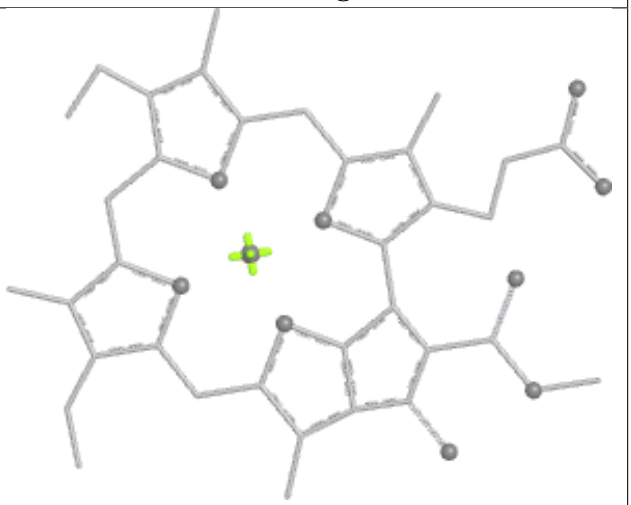
Bond lengths



Bond angles

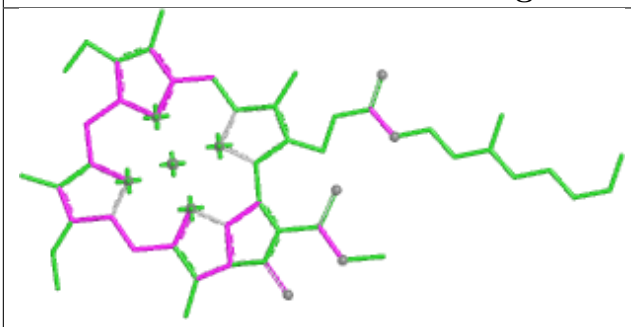


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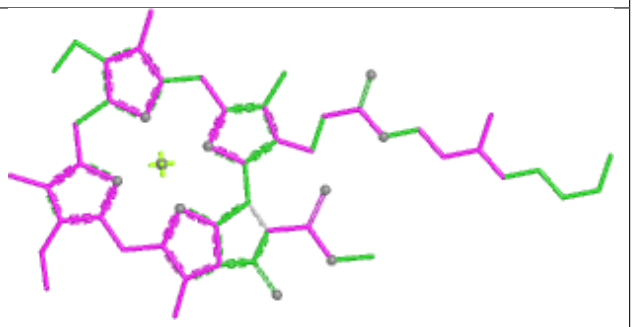


Rings

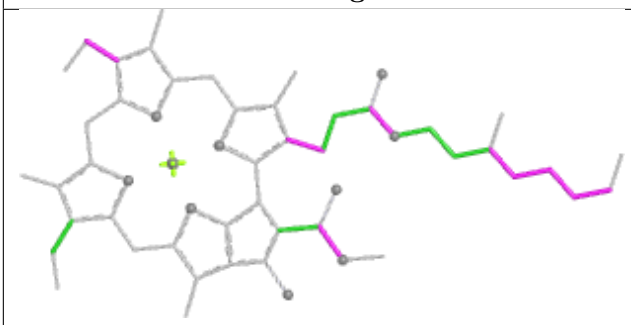
Ligand CLA cA 836



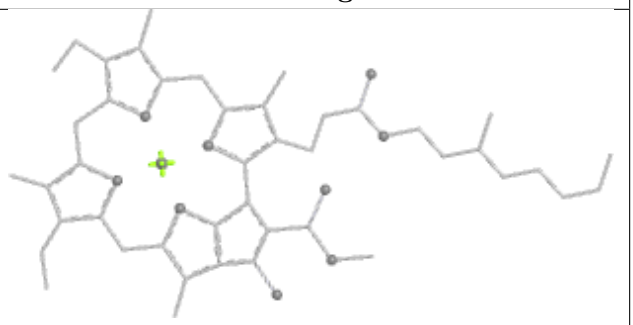
Bond lengths



Bond angles



Torsions

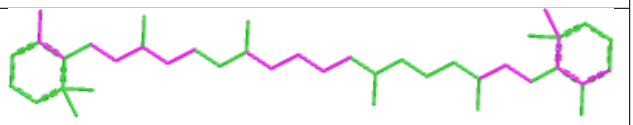


Rings

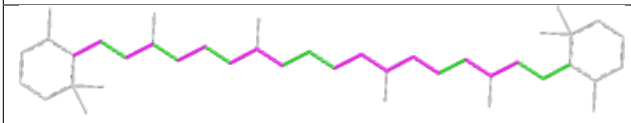
Ligand BCR cA 845



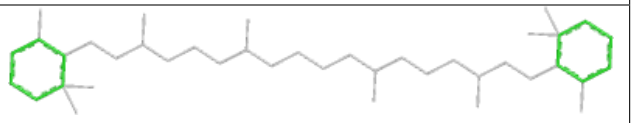
Bond lengths



Bond angles

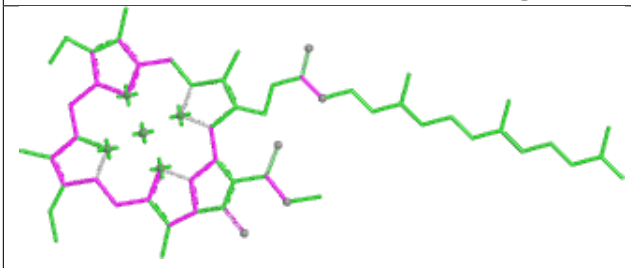


Torsions

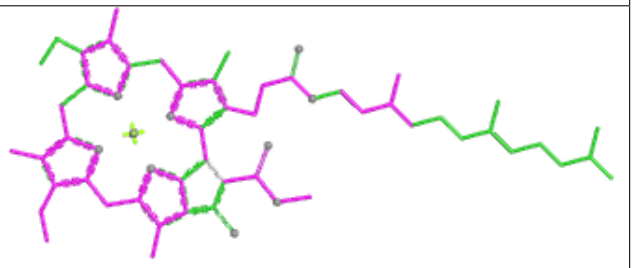


Rings

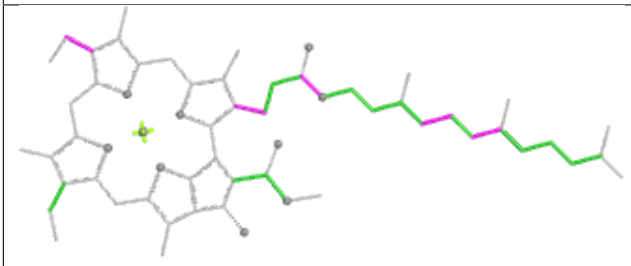
Ligand CLA aB 819



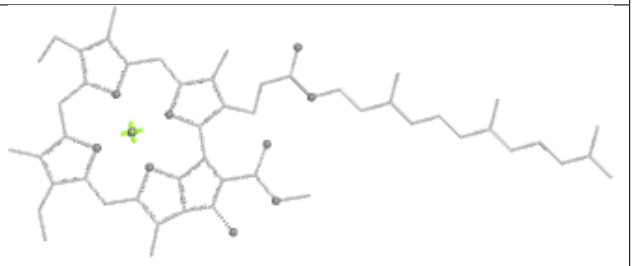
Bond lengths



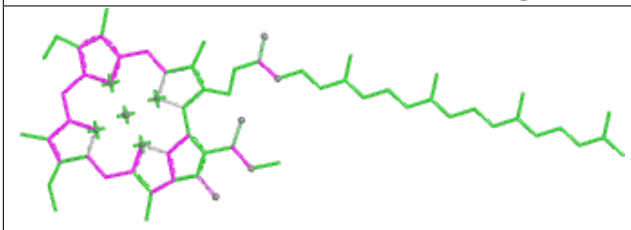
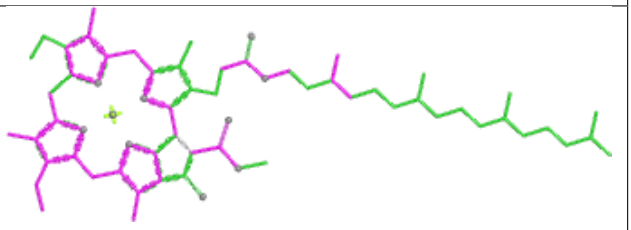
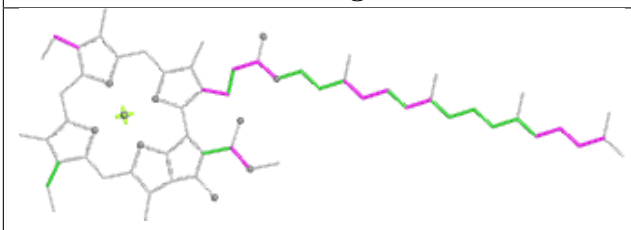
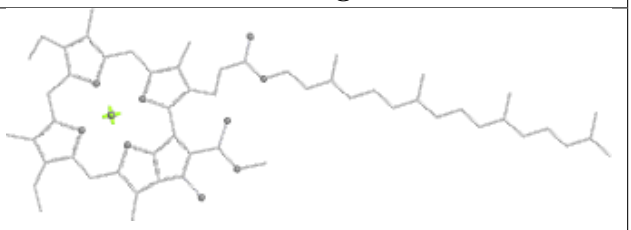
Bond angles

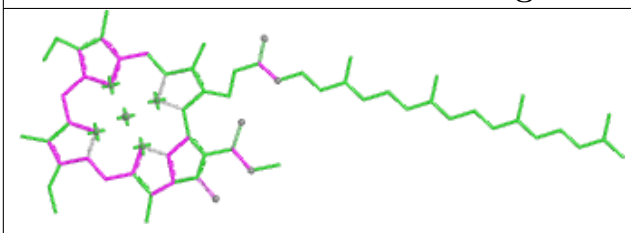
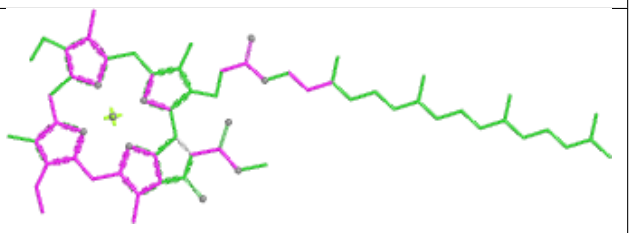
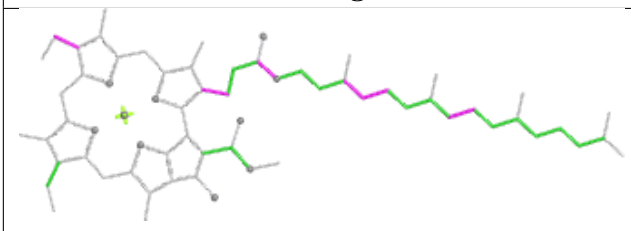
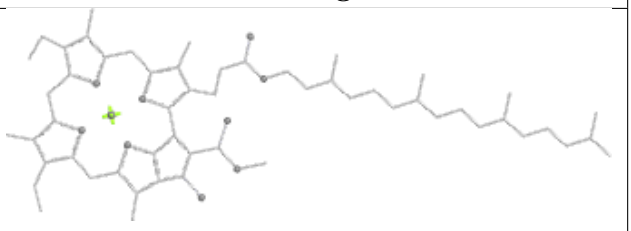


Torsions

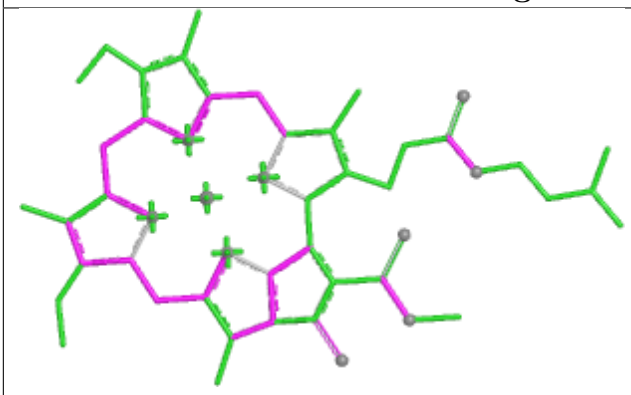


Rings

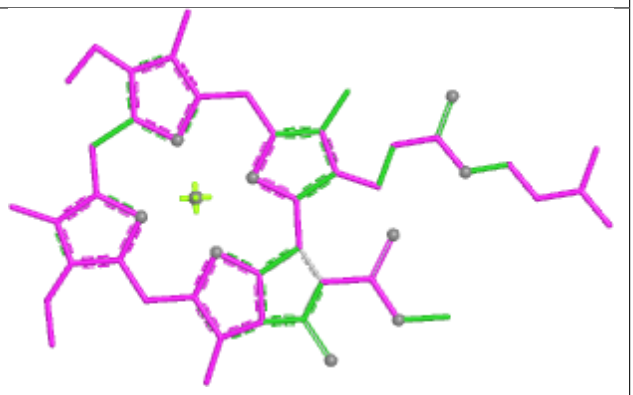
Ligand CLA aA 806	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA aB 823	
	
Bond lengths	Bond angles
	
Torsions	Rings

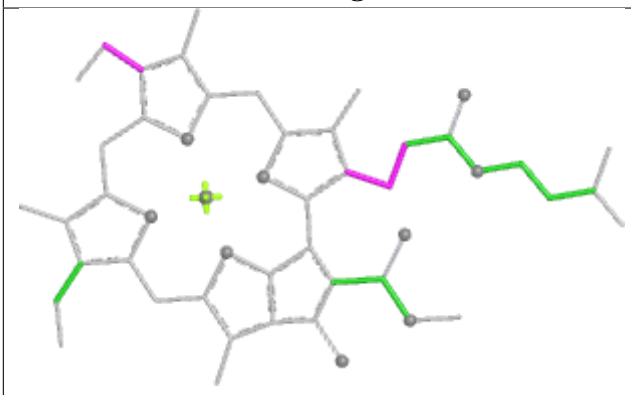
Ligand CLA dA 832



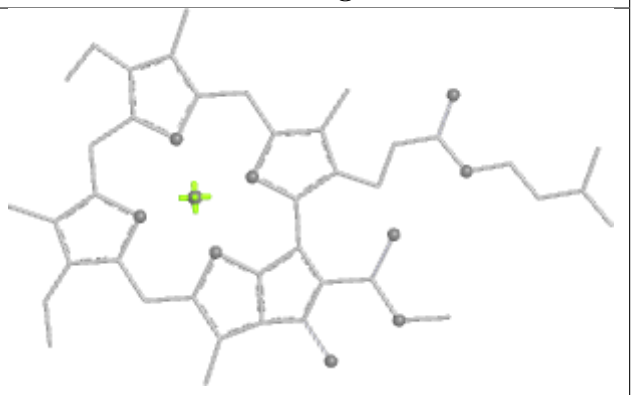
Bond lengths



Bond angles



Torsions

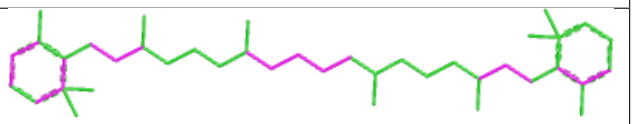


Rings

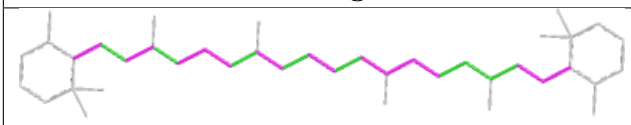
Ligand BCR dB 835



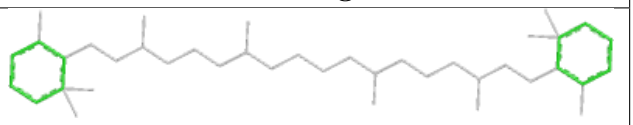
Bond lengths



Bond angles

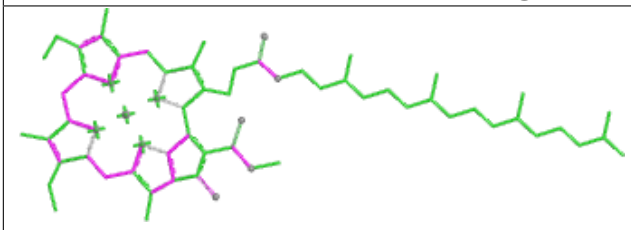


Torsions

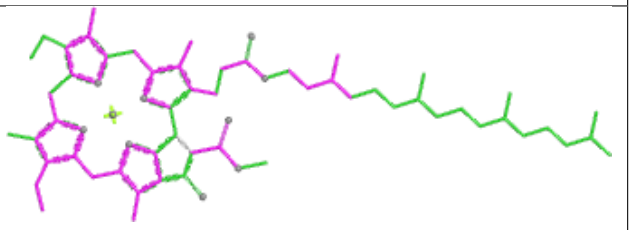


Rings

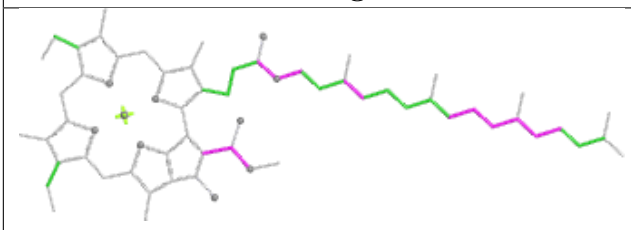
Ligand CLA cA 831



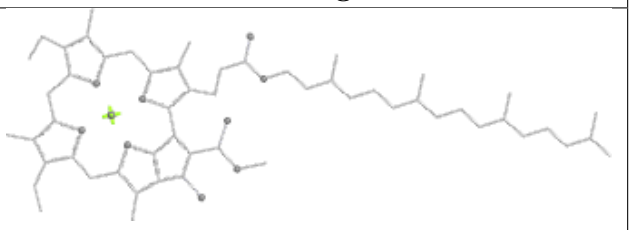
Bond lengths



Bond angles

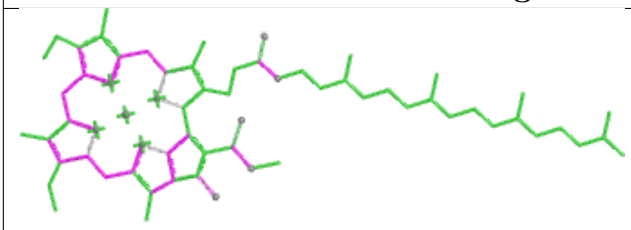


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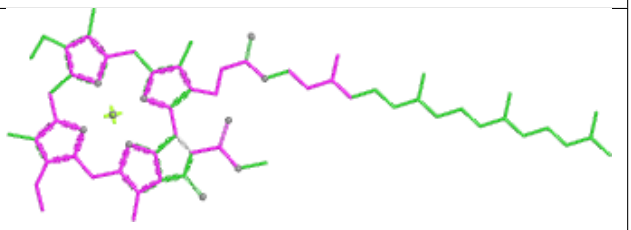


Rings

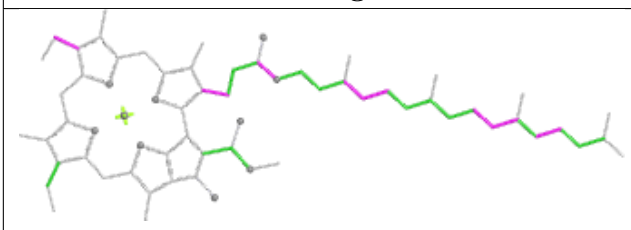
Ligand CLA bA 820



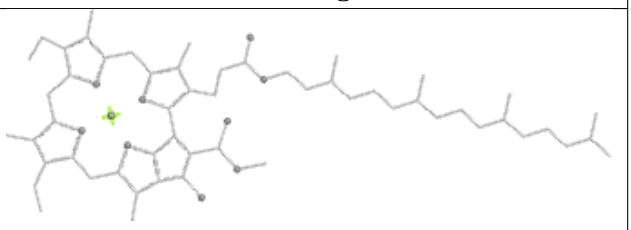
Bond lengths



Bond angles

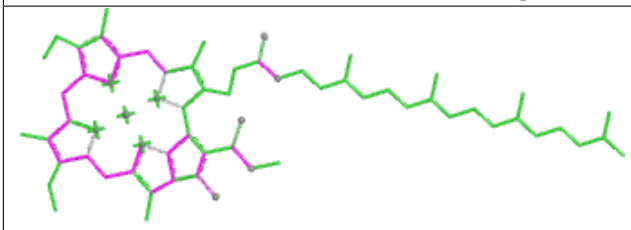


Torsions

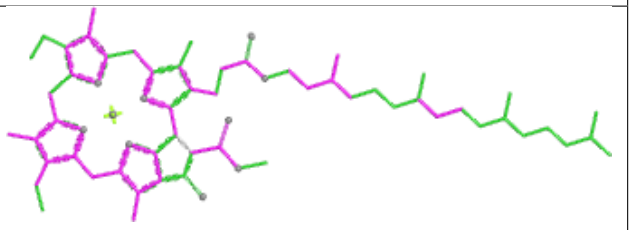


Rings

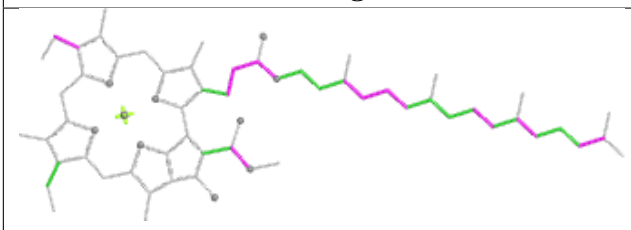
Ligand CLA dB 821



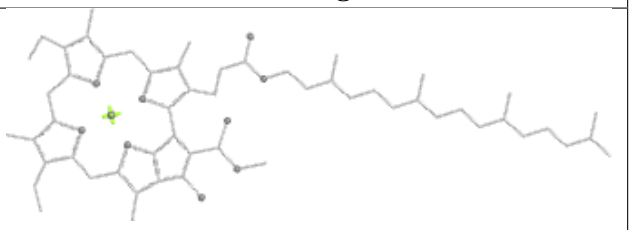
Bond lengths



Bond angles

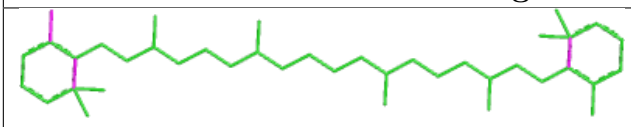


Torsions

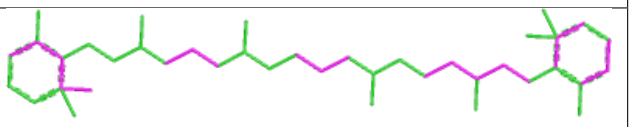


Rings

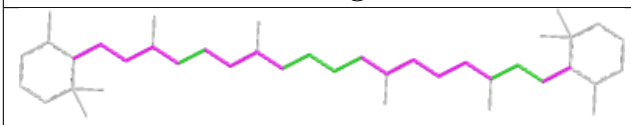
Ligand BCR dA 851



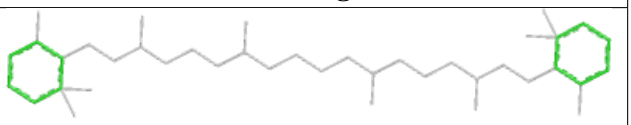
Bond lengths



Bond angles

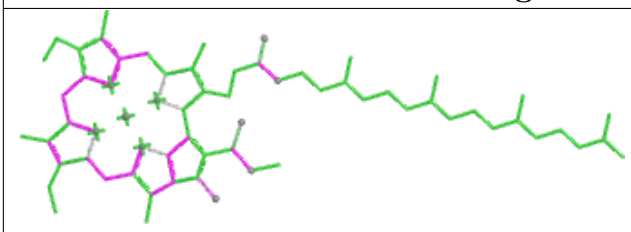


Torsions

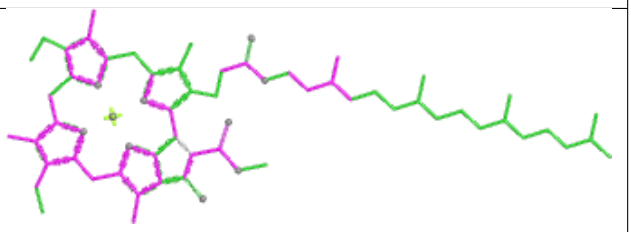


Rings

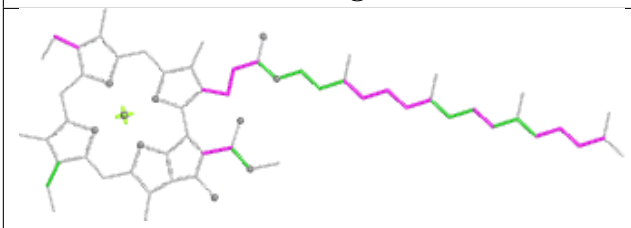
Ligand CLA aA 826



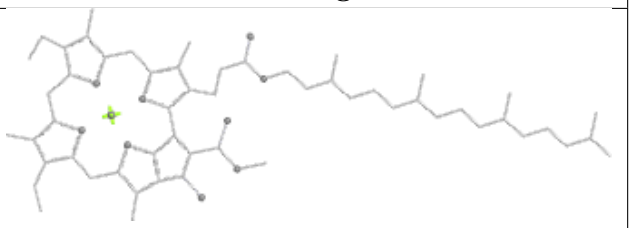
Bond lengths



Bond angles

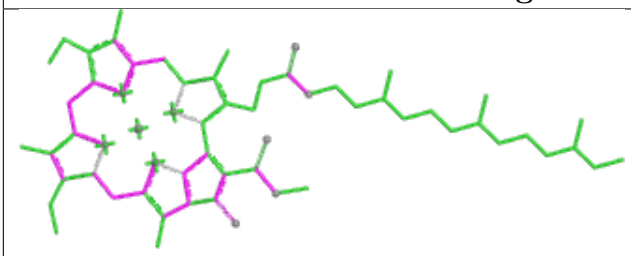


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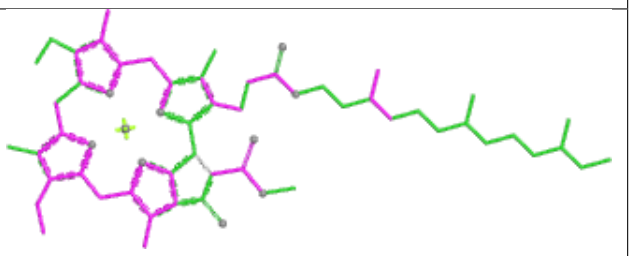


Rings

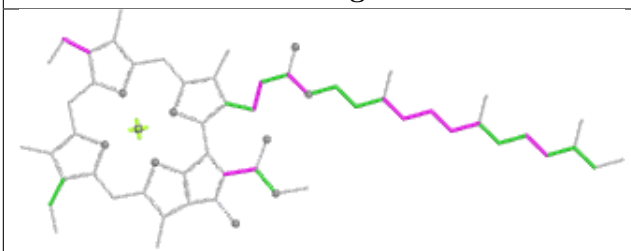
Ligand CLA cA 821



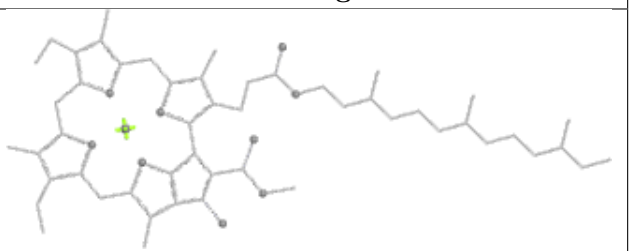
Bond lengths



Bond angles

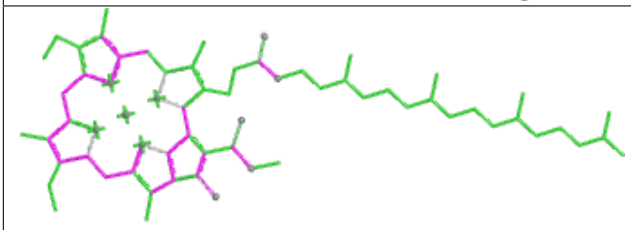


Torsions

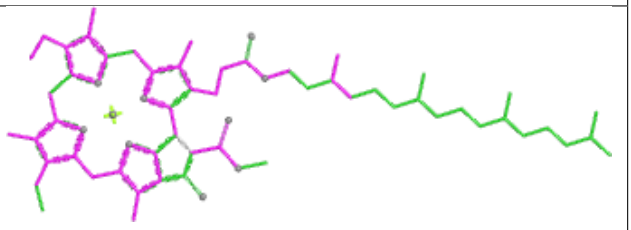


Rings

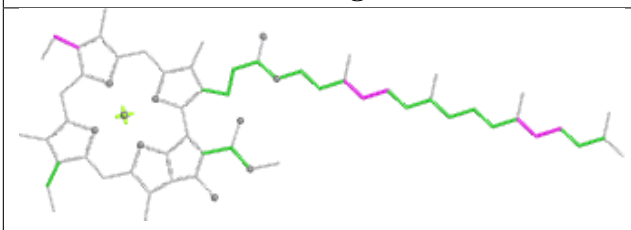
Ligand CLA aB 804



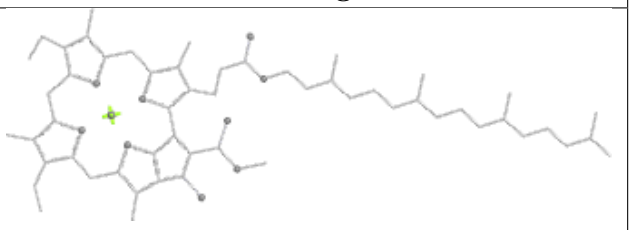
Bond lengths



Bond angles



Torsions

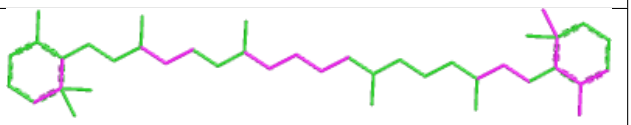


Rings

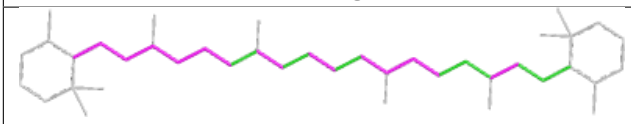
Ligand BCR cJ 102



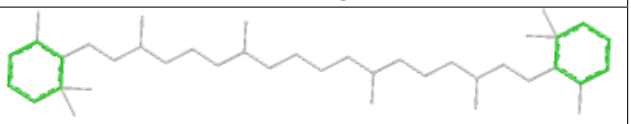
Bond lengths



Bond angles

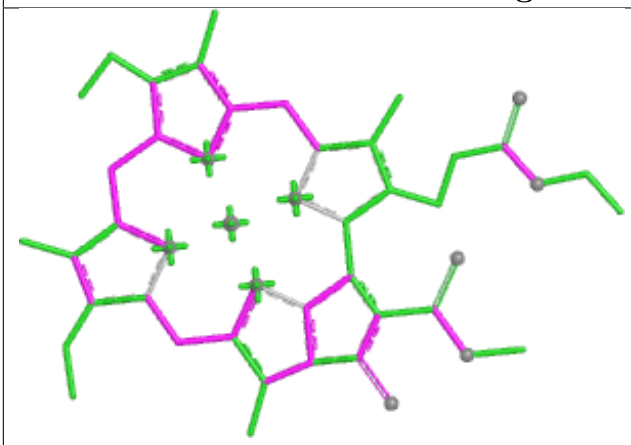


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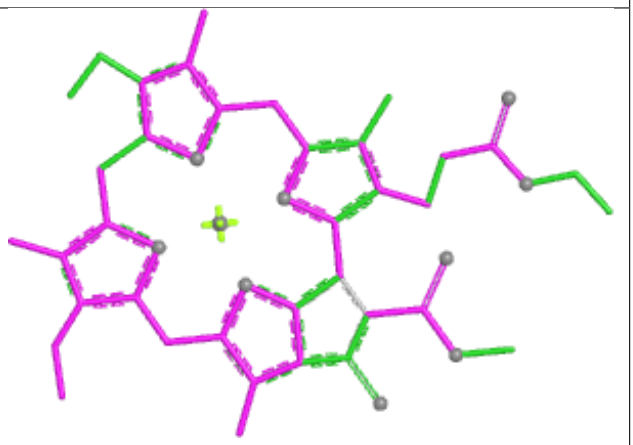


Rings

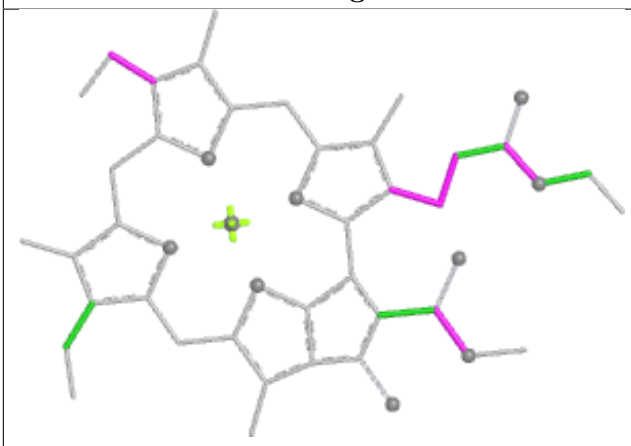
Ligand CLA cA 825



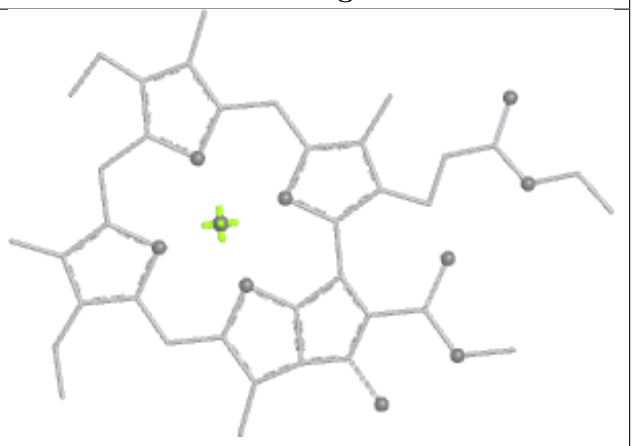
Bond lengths



Bond angles

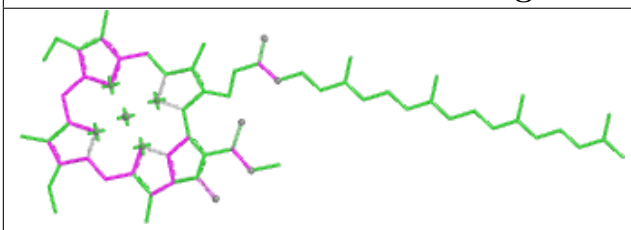


Torsions

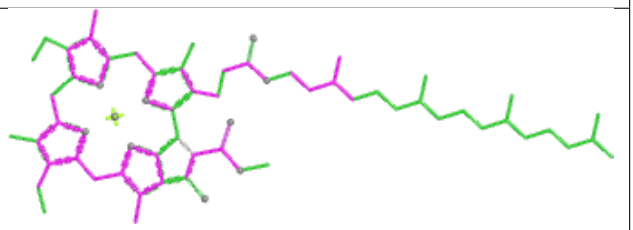


Rings

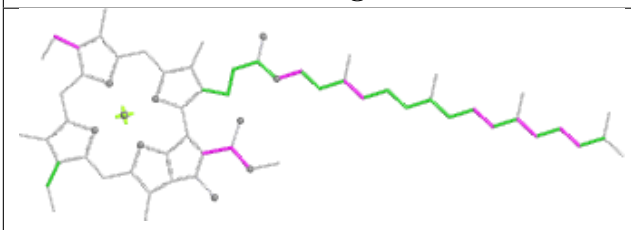
Ligand CLA aA 835



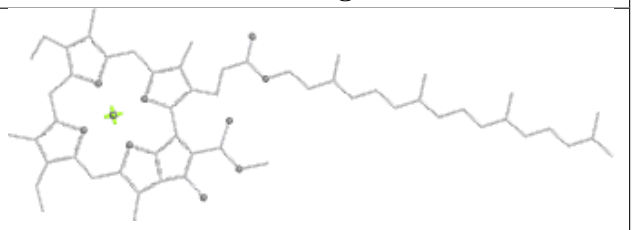
Bond lengths



Bond angles

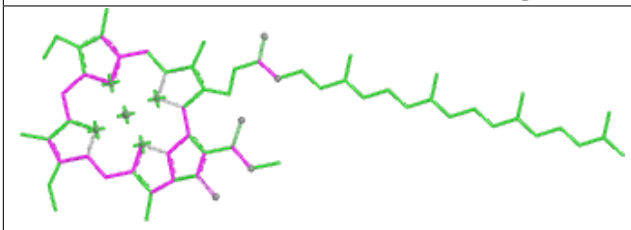


Torsions

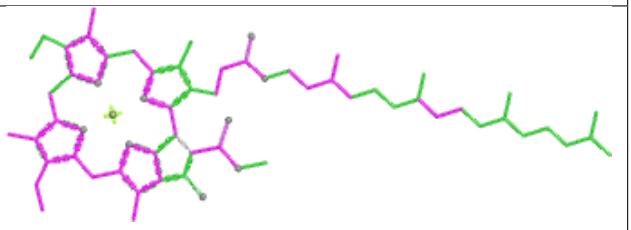


Rings

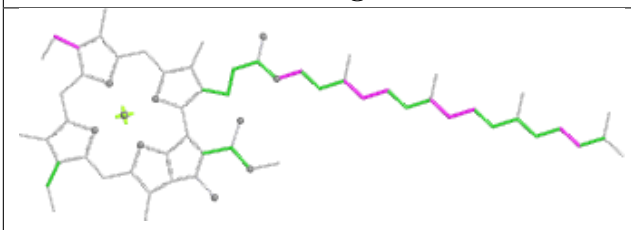
Ligand CLA cB 811



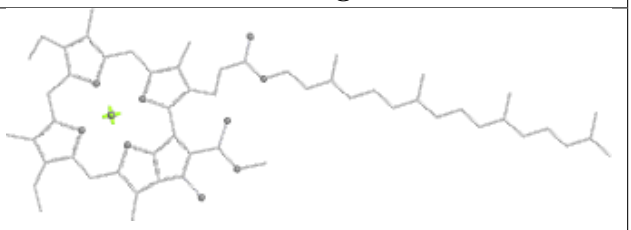
Bond lengths



Bond angles

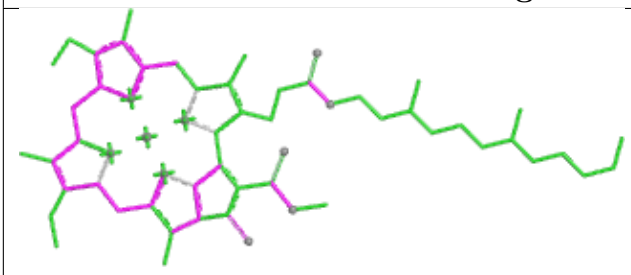


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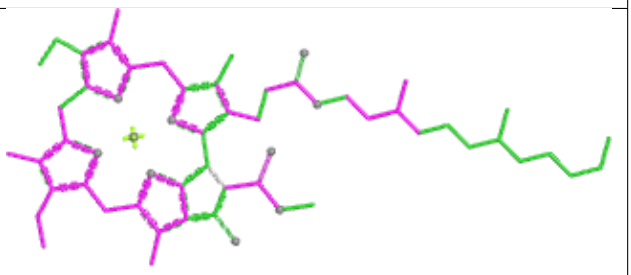


Rings

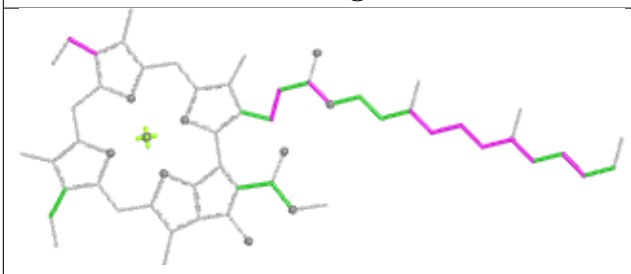
Ligand CLA aB 818



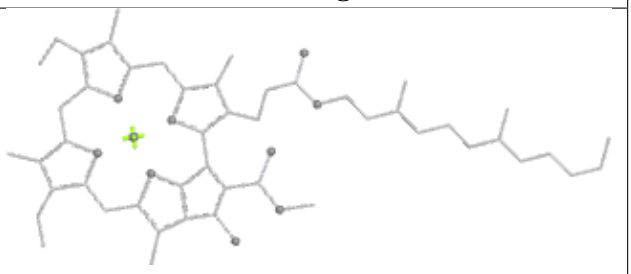
Bond lengths



Bond angles

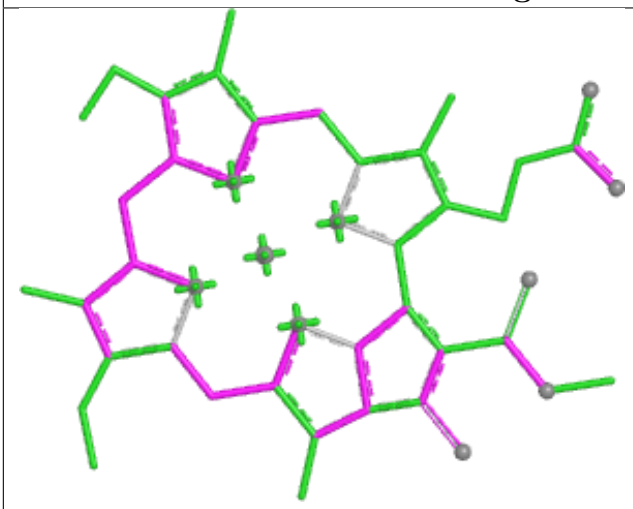


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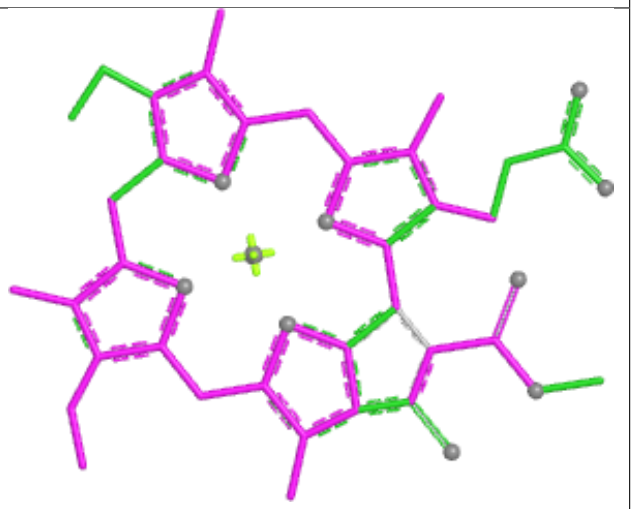


Rings

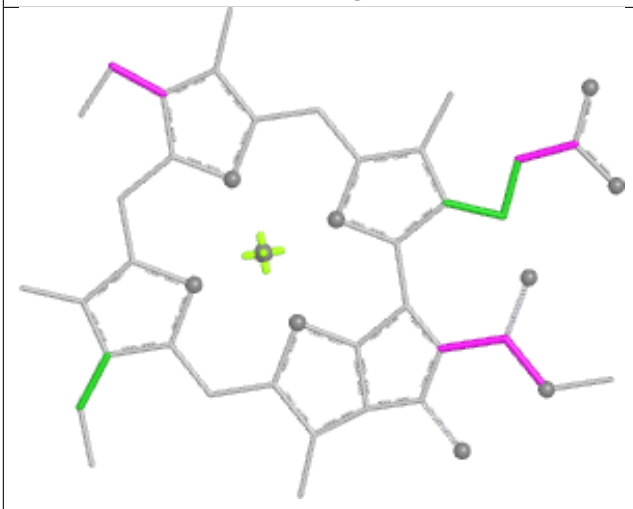
Ligand CLA dA 837



Bond lengths



Bond angles

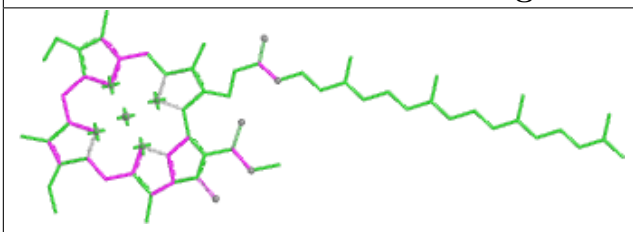


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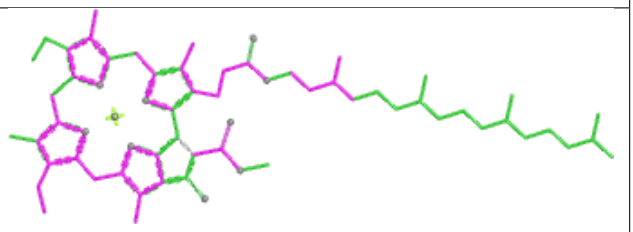


Rings

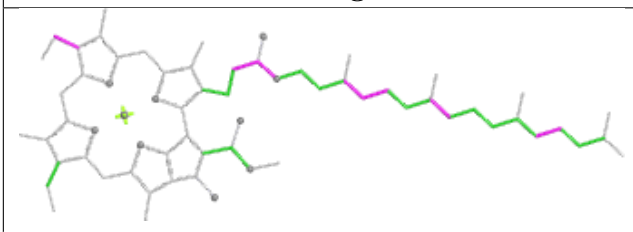
Ligand CLA aB 801



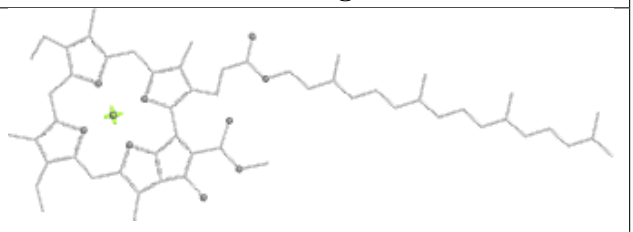
Bond lengths



Bond angles

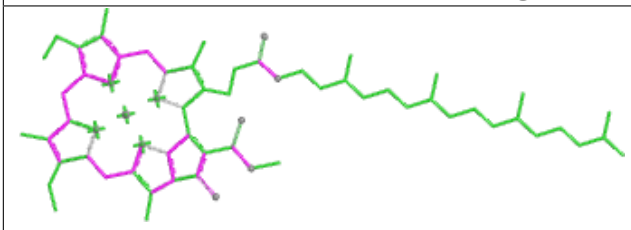


Torsions

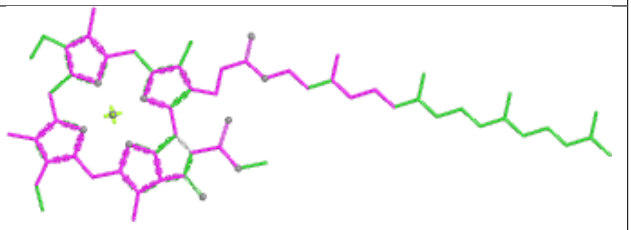


Rings

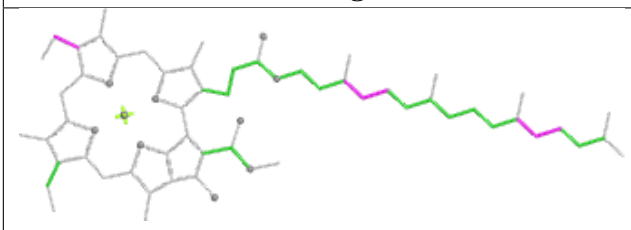
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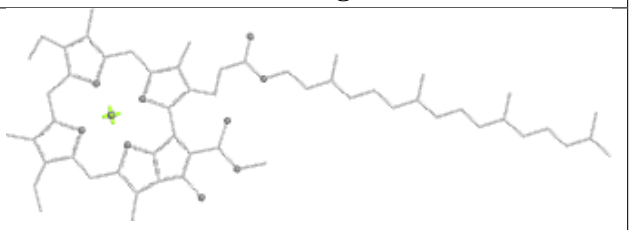
Bond lengths



Bond angles

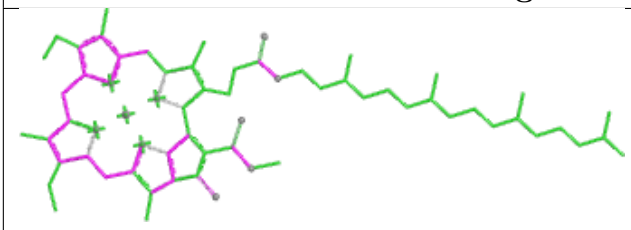


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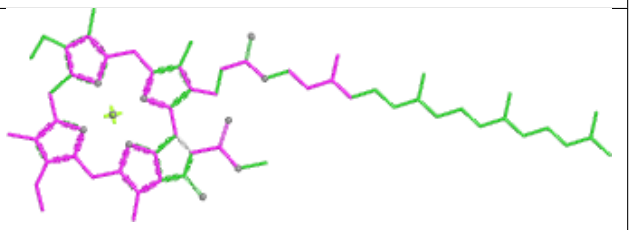


Rings

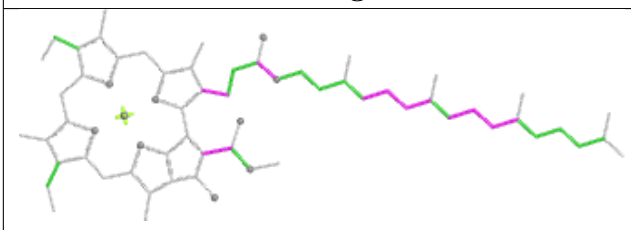
Ligand CLA aB 824



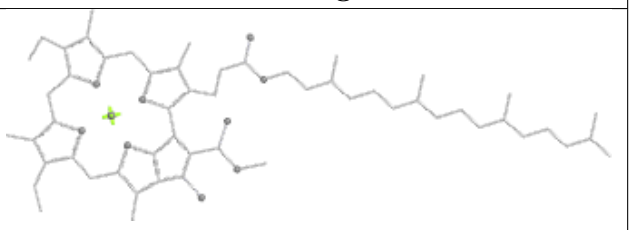
Bond lengths



Bond angles

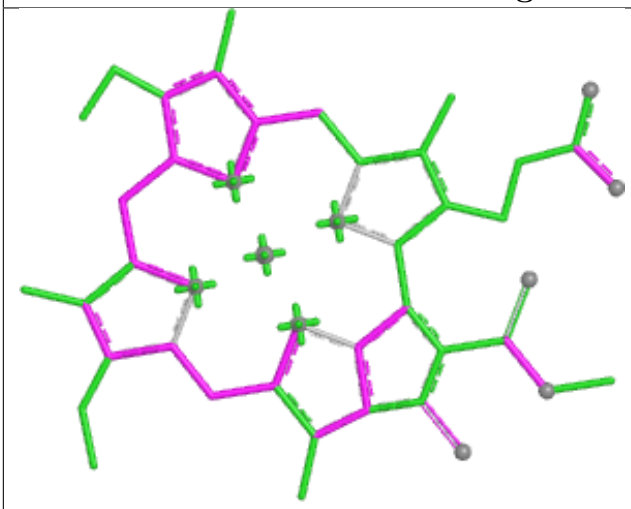


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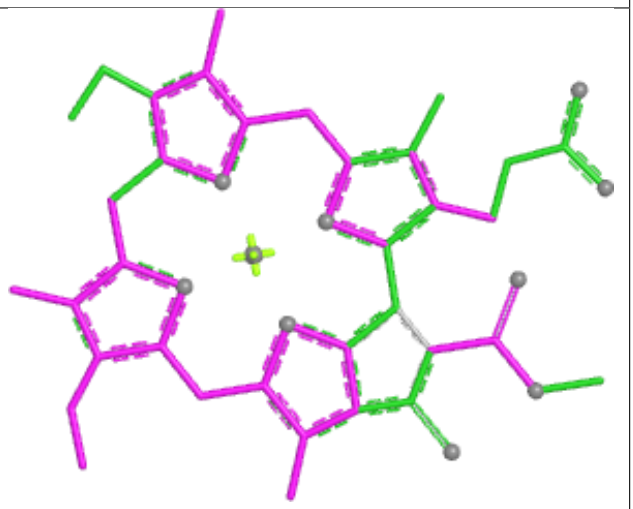


Rings

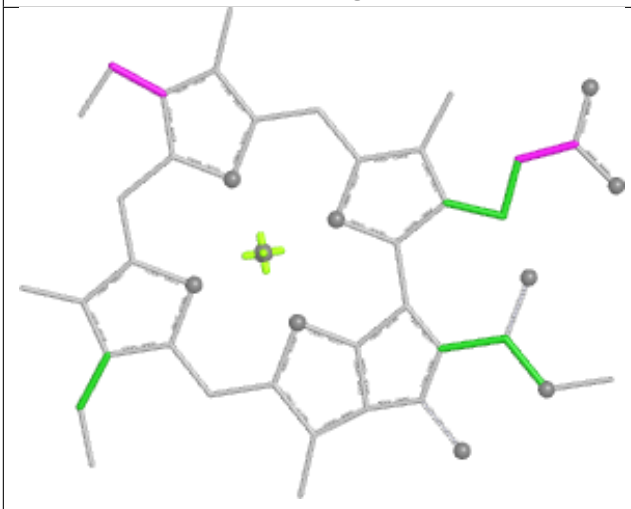
Ligand CLA bF 204



Bond lengths



Bond angles

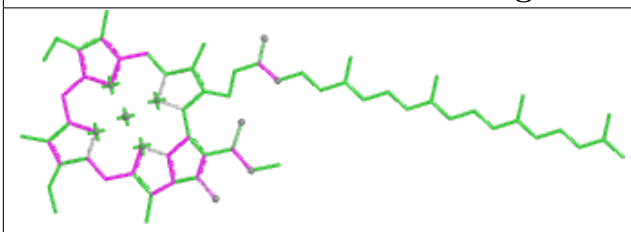


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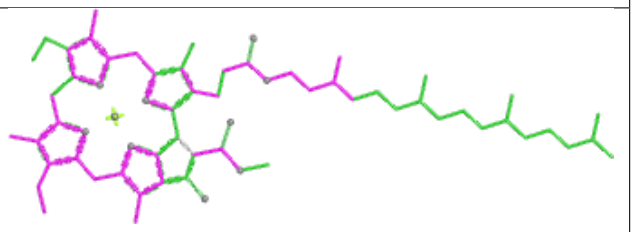


Rings

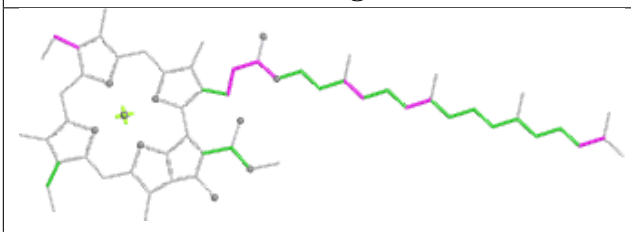
Ligand CLA aA 818



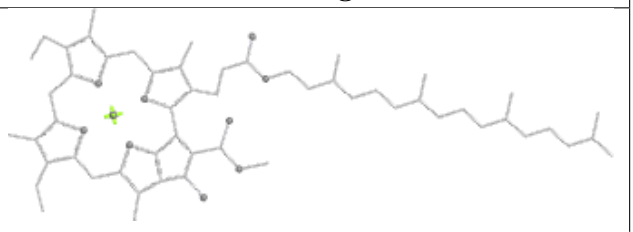
Bond lengths



Bond angles

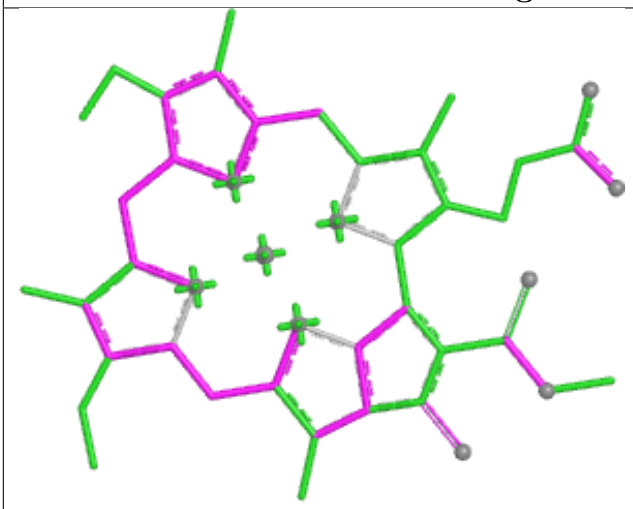


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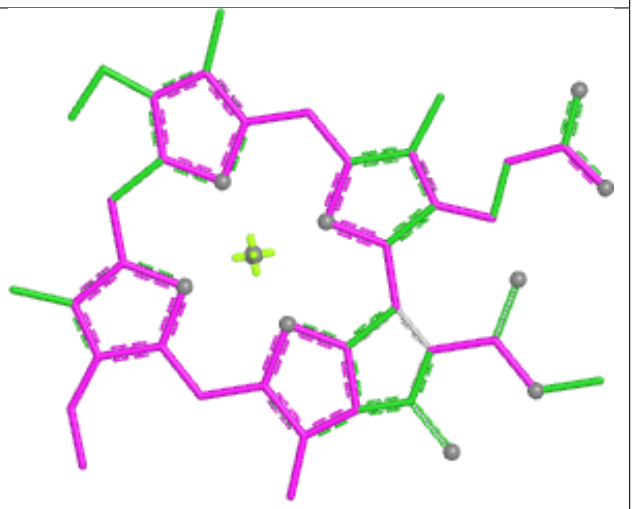


Rings

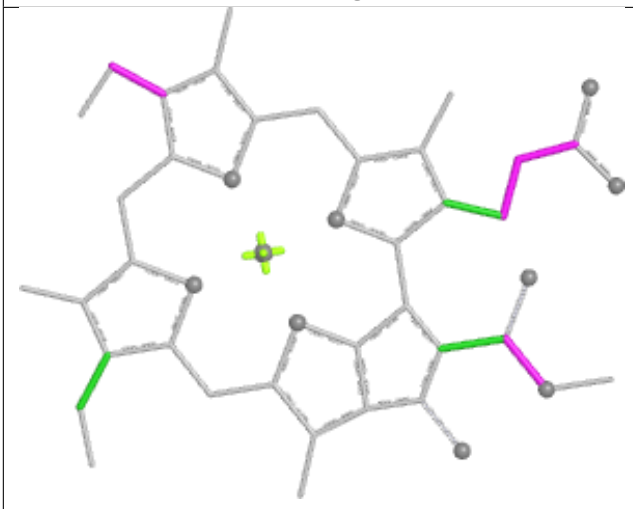
Ligand CLA cA 810



Bond lengths



Bond angles

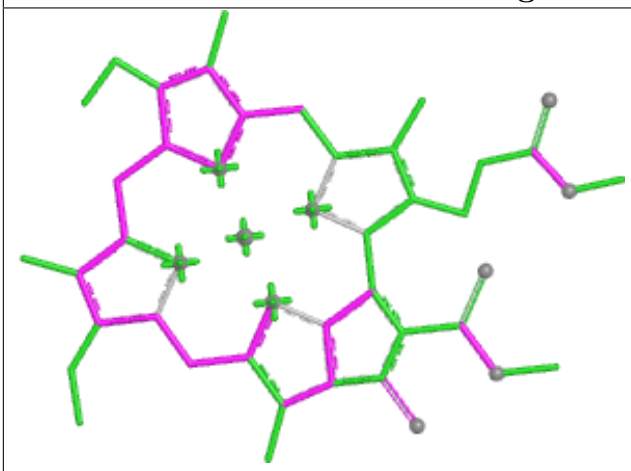


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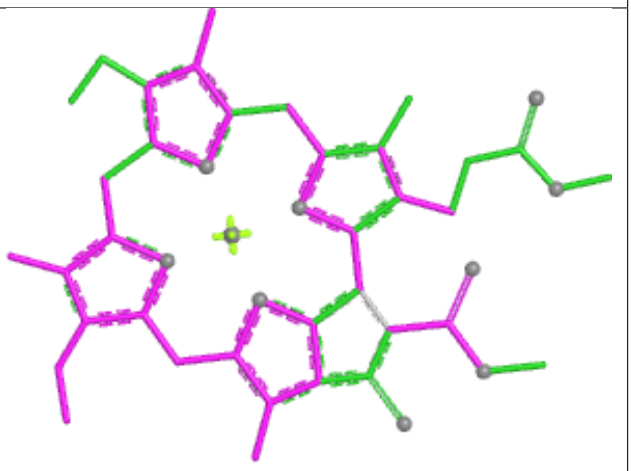


Rings

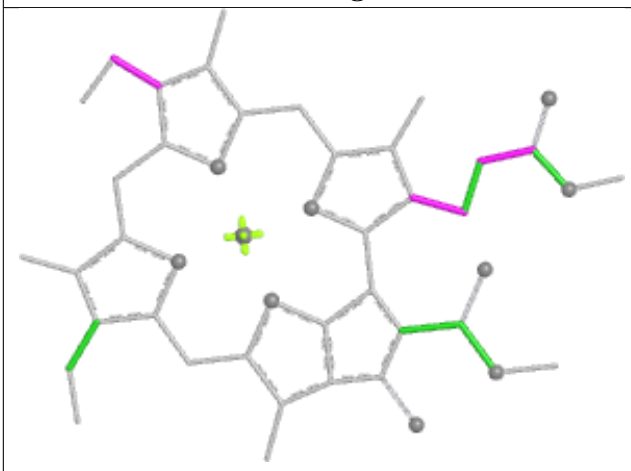
Ligand CLA aL 202



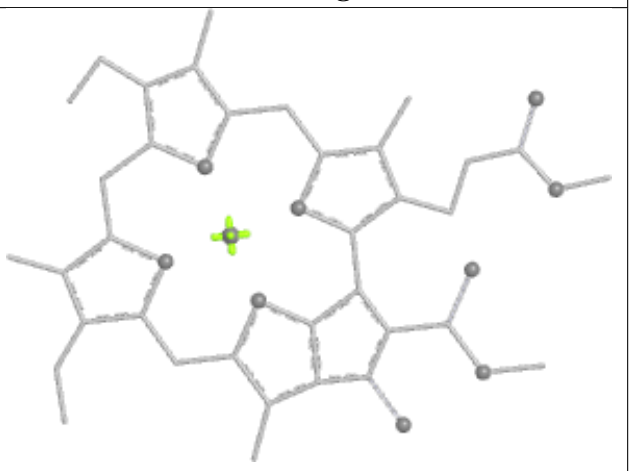
Bond lengths



Bond angles



Torsions

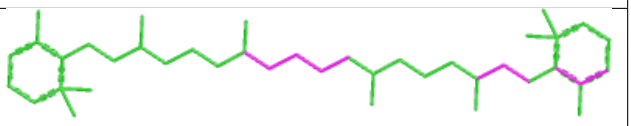


Rings

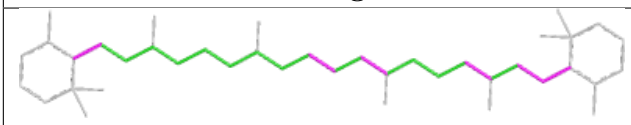
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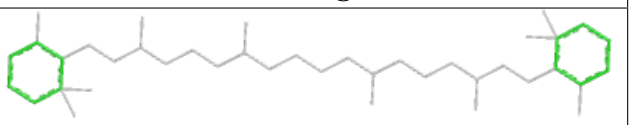
Bond lengths



Bond angles

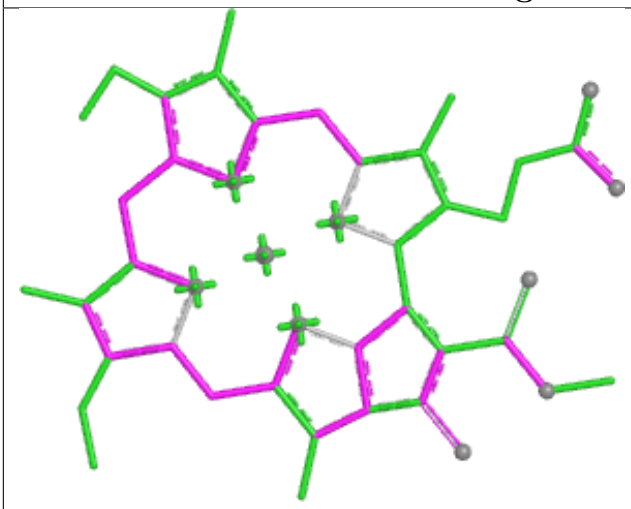


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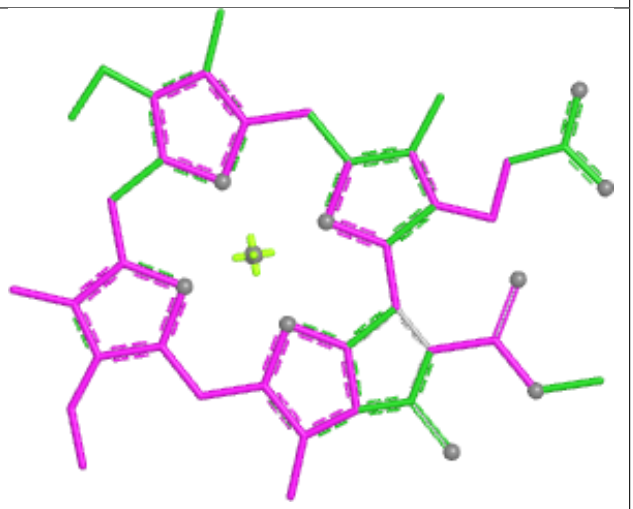


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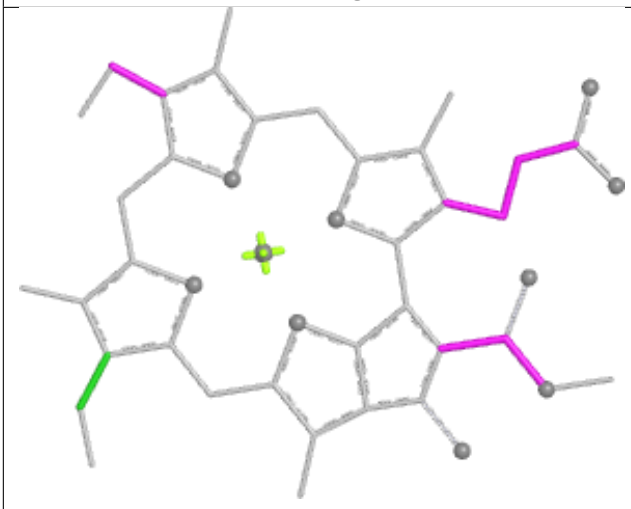
Ligand CLA cA 837



Bond lengths



Bond angles

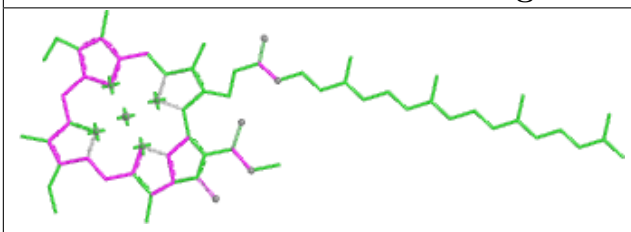


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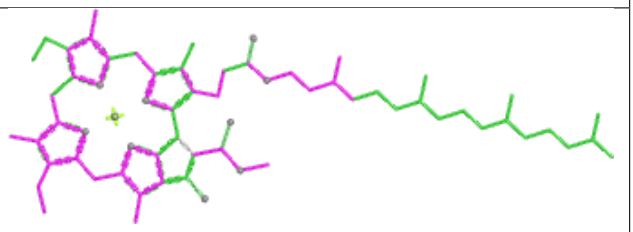


Rings

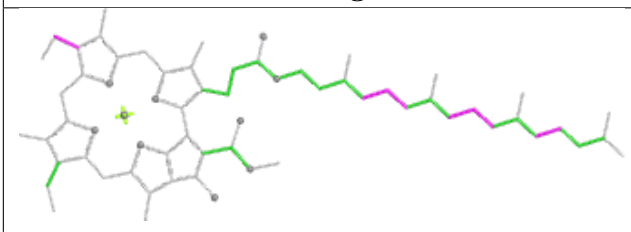
Ligand CLA cB 831



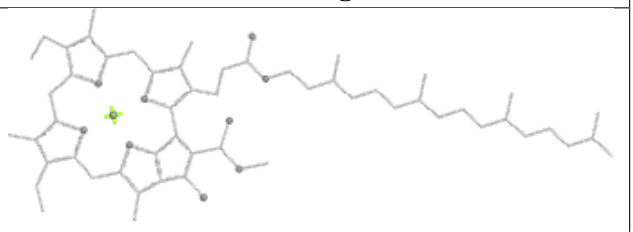
Bond lengths



Bond angles

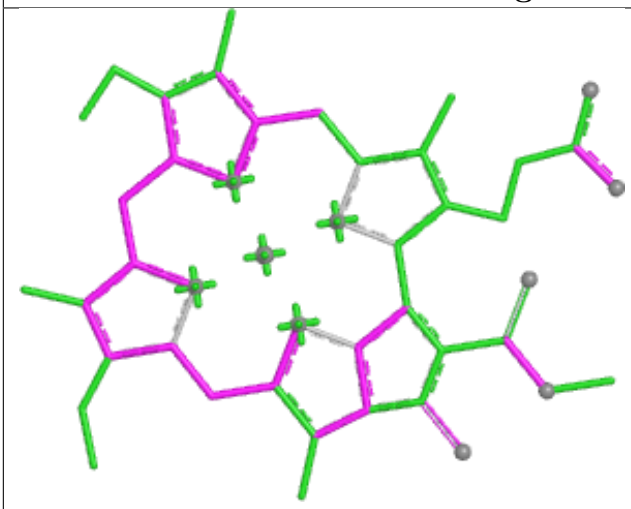


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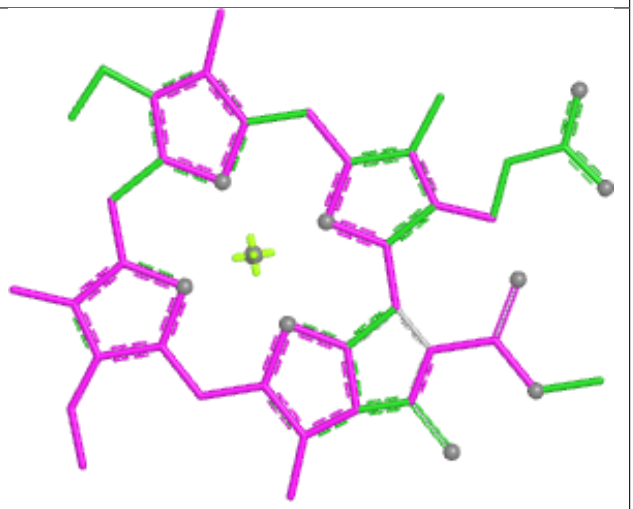


Rings

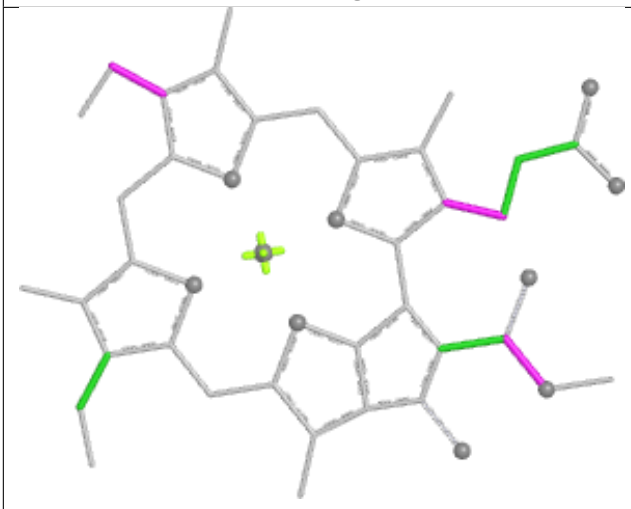
Ligand CLA aA 811



Bond lengths



Bond angles

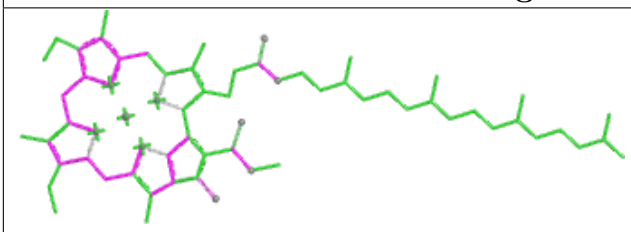


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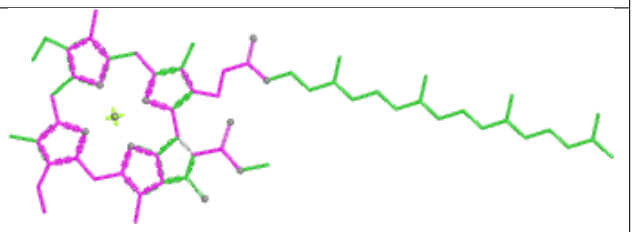


Rings

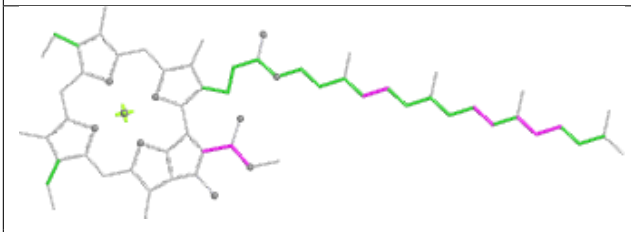
Ligand CLA aB 810



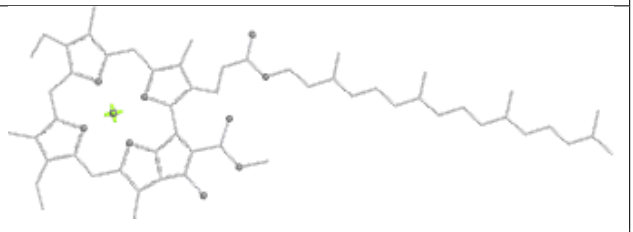
Bond lengths



Bond angles

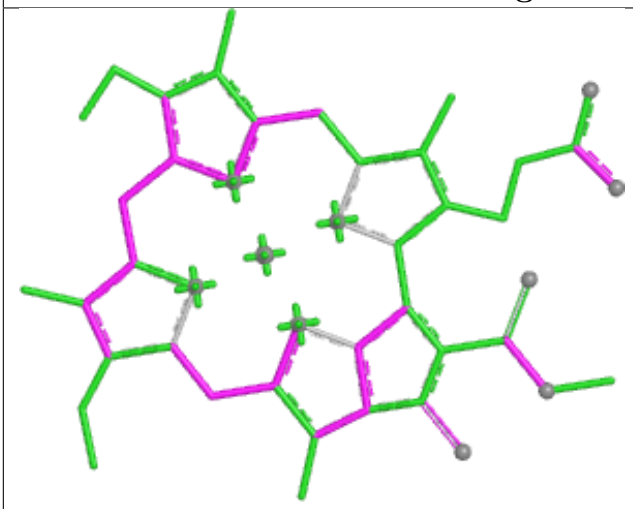


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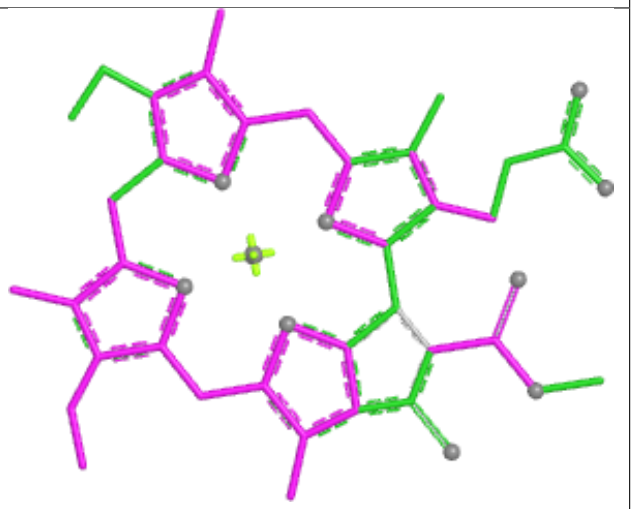


Rings

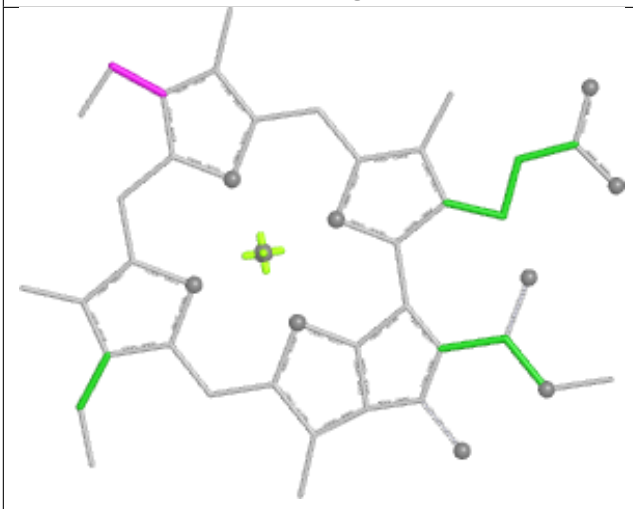
Ligand CLA cA 805



Bond lengths



Bond angles

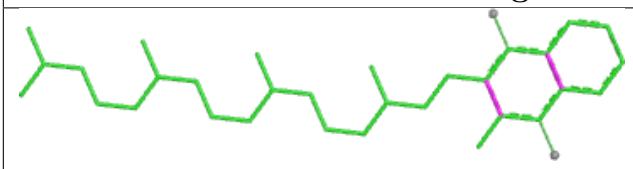


Torsions

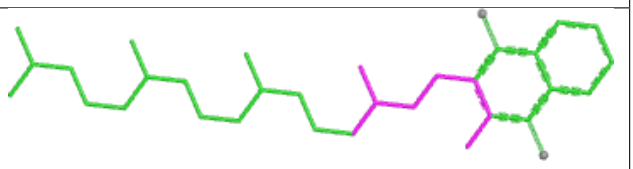


Rings

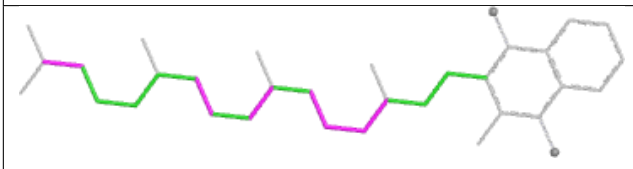
Ligand PQN dA 845



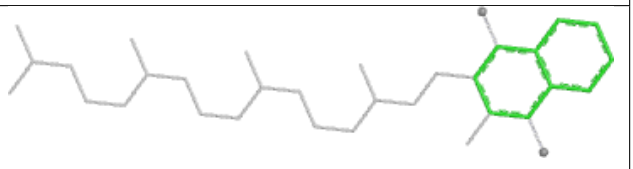
Bond lengths



Bond angles

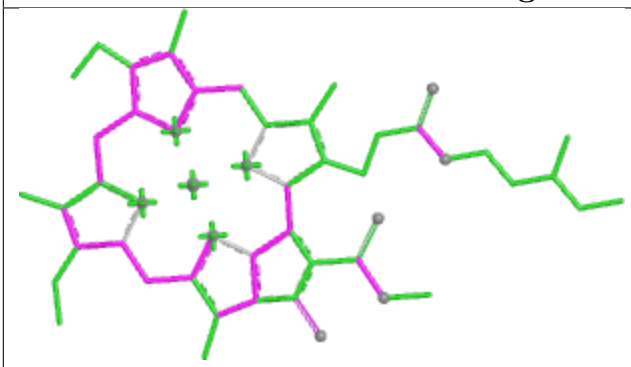


Torsions

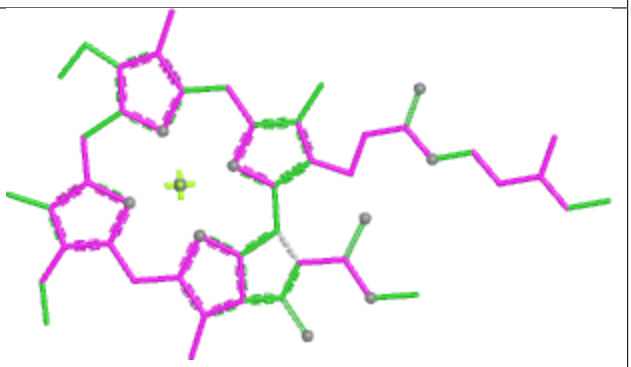


Rings

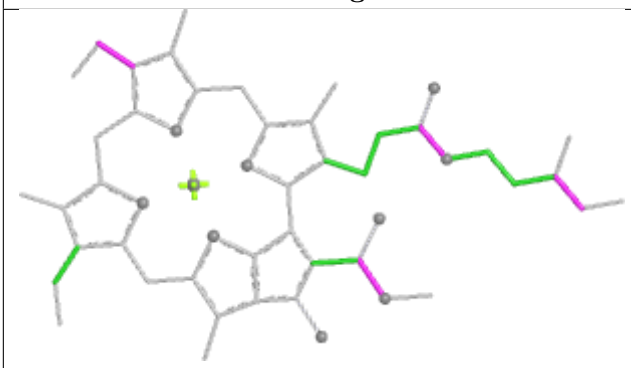
Ligand CLA cF 201



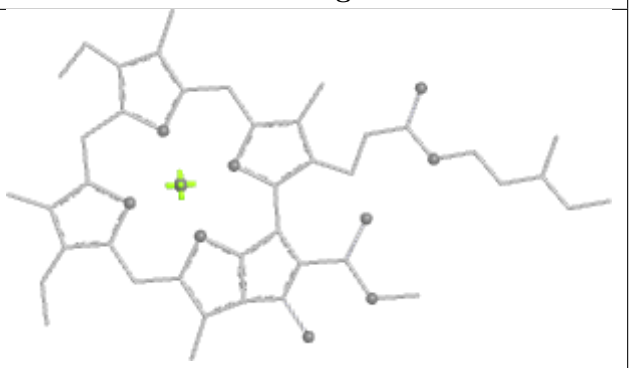
Bond lengths



Bond angles

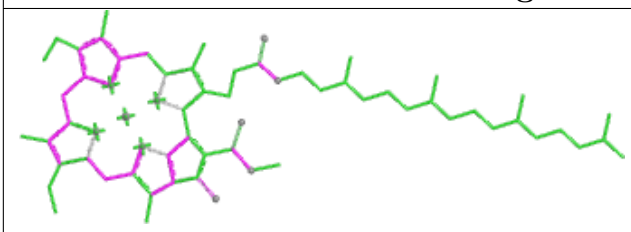


Torsions

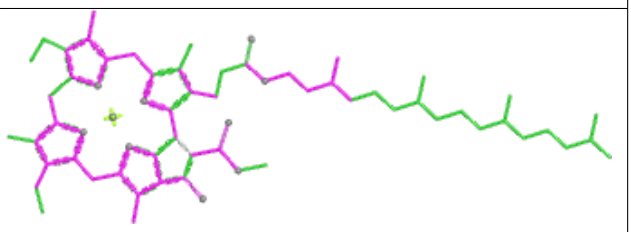


Rings

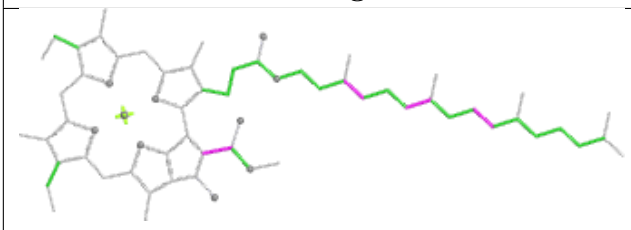
Ligand CLA cB 821



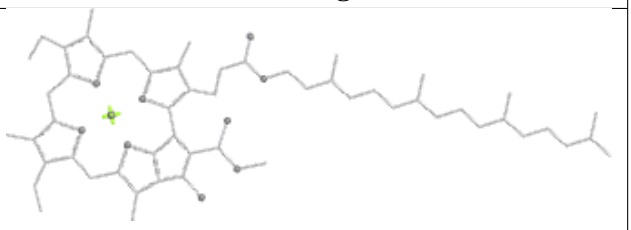
Bond lengths



Bond angles

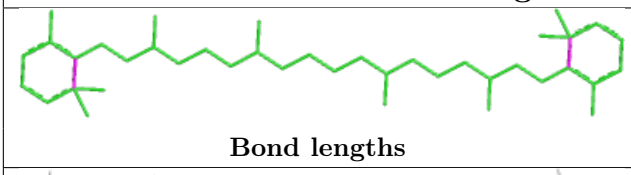


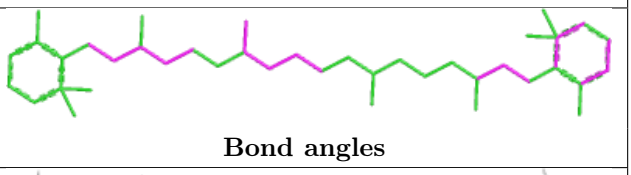
Torsions

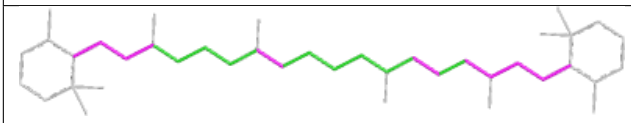


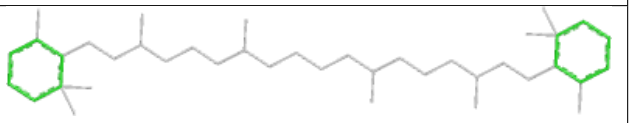
Rings

Ligand BCR dF 203


Bond lengths

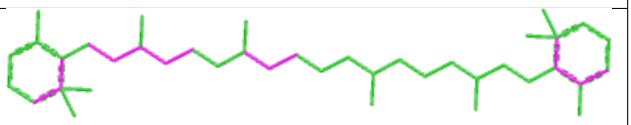

Bond angles

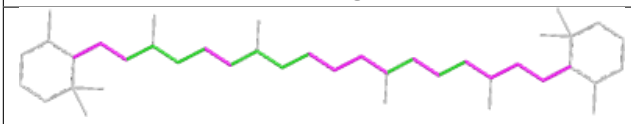

Torsions

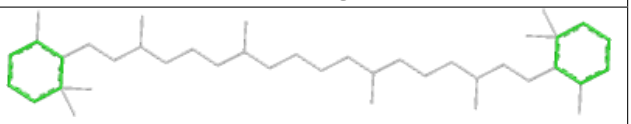

Rings

Ligand BCR dM 101

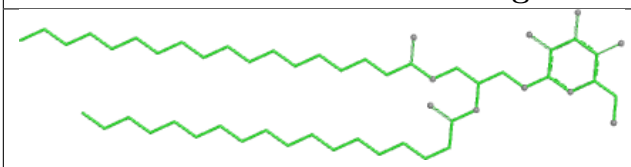

Bond lengths

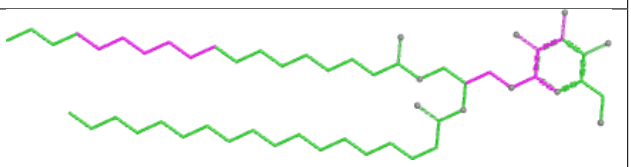

Bond angles

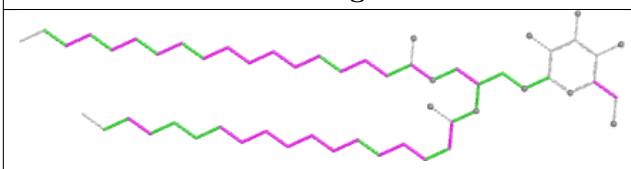

Torsions

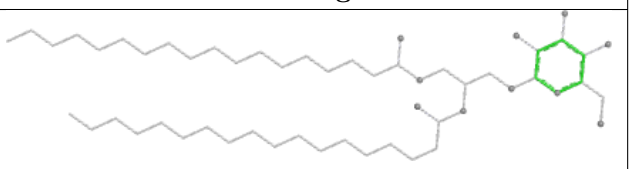

Rings

Ligand LMG cB 839

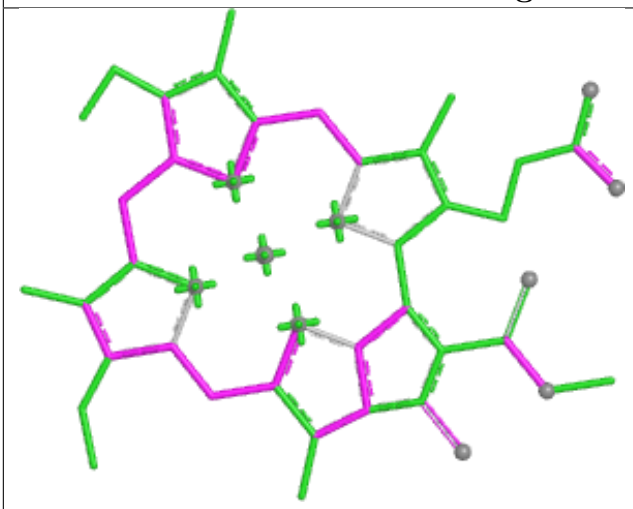

Bond lengths


Bond angles

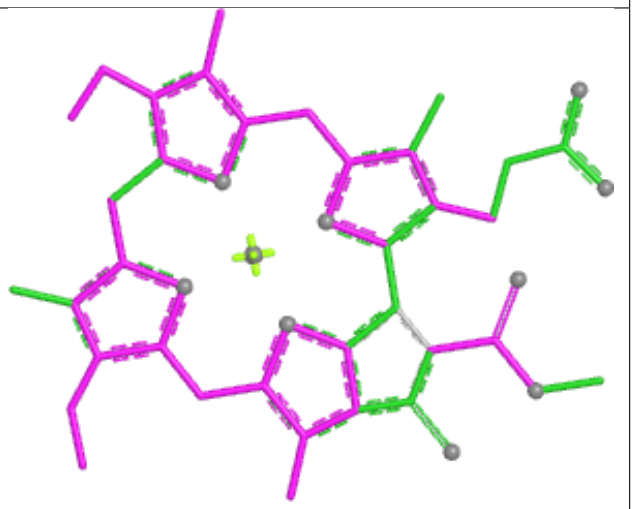

Torsions


Rings

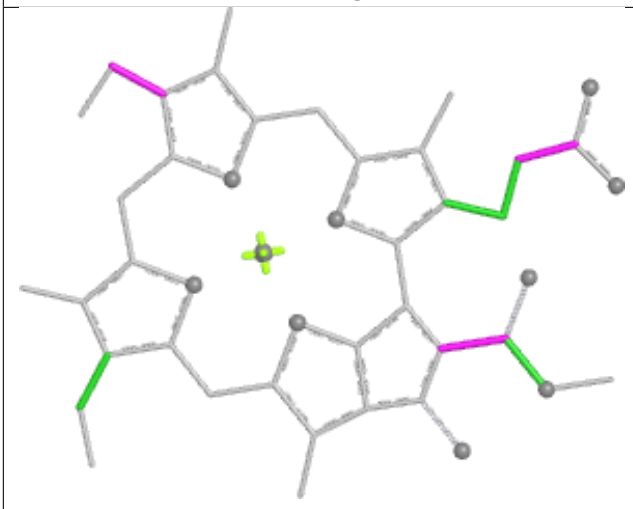
Ligand CLA cA 815



Bond lengths



Bond angles

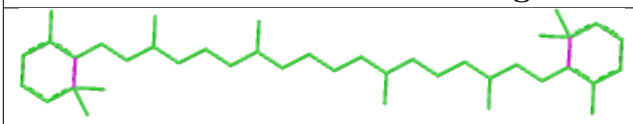


Torsions

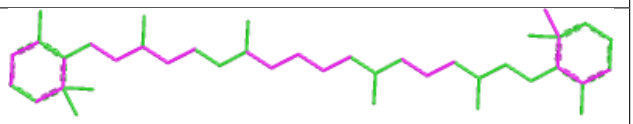


Rings

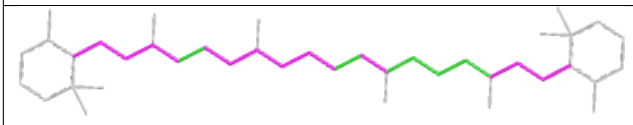
Ligand BCR aA 846



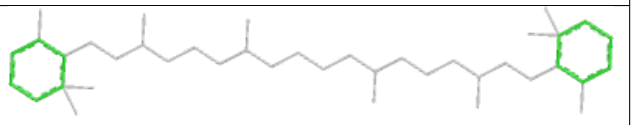
Bond lengths



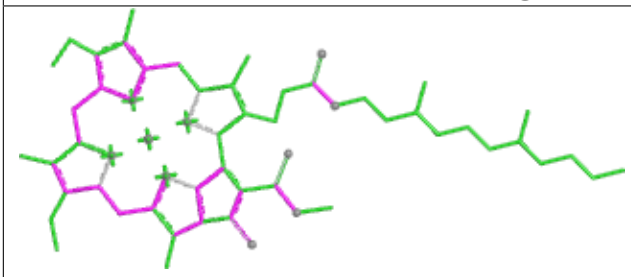
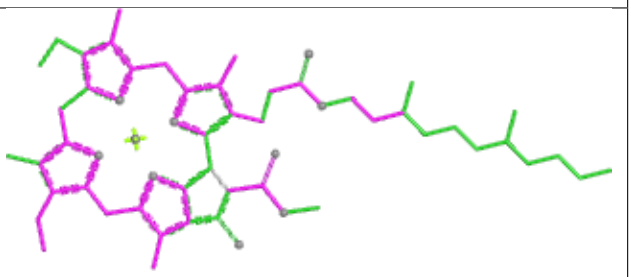
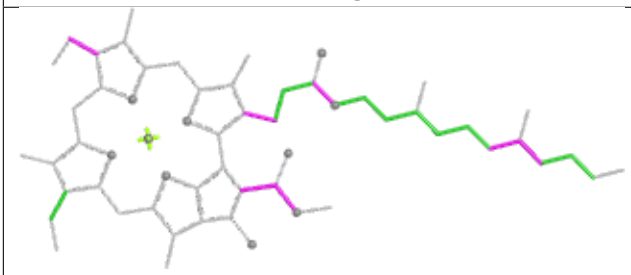
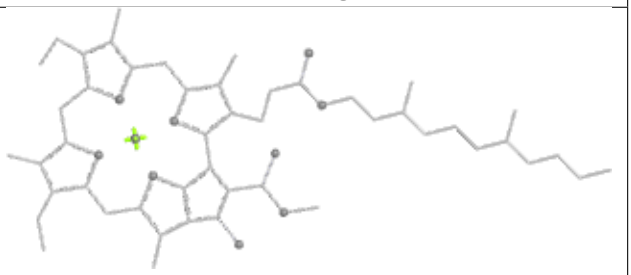
Bond angles

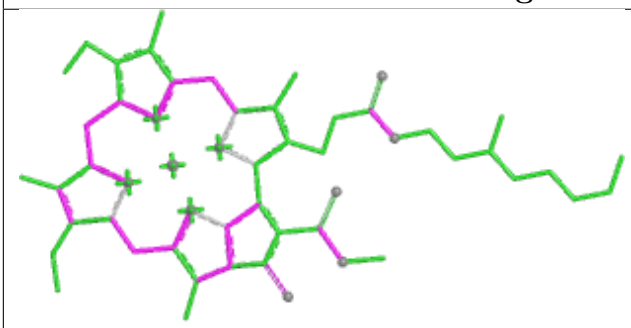
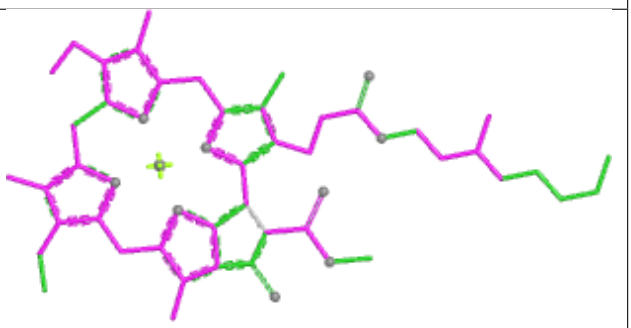
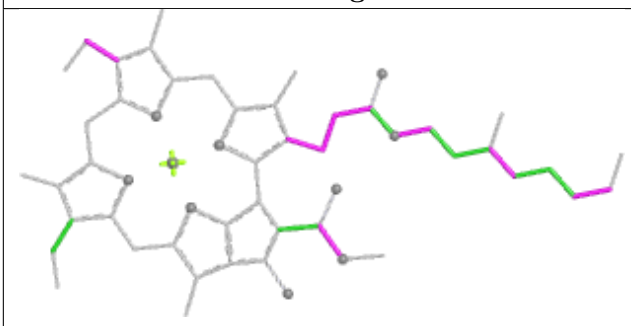
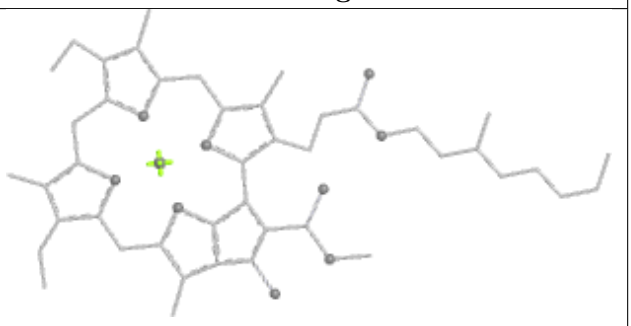


Torsions

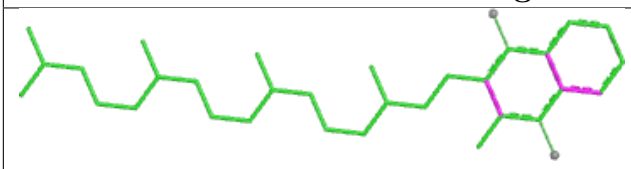


Rings

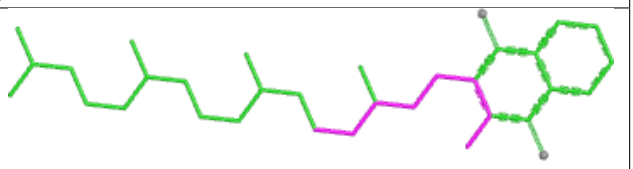
Ligand CLA cB 827	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA cA 819	
 Bond lengths	 Bond angles
 Torsions	 Rings

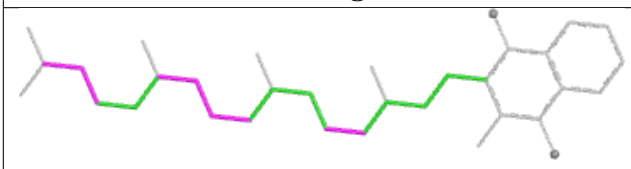
Ligand PQN cB 835



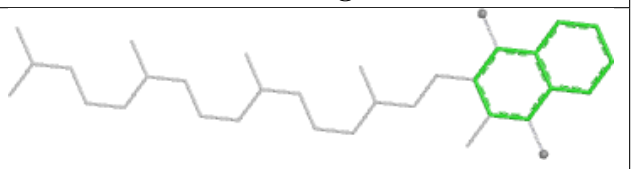
Bond lengths



Bond angles

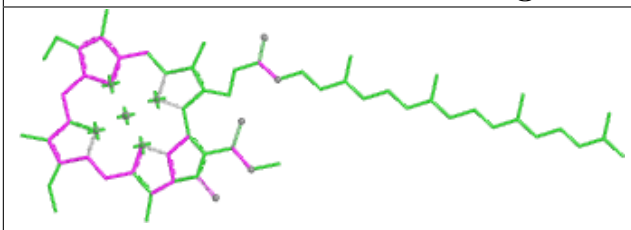


Torsions

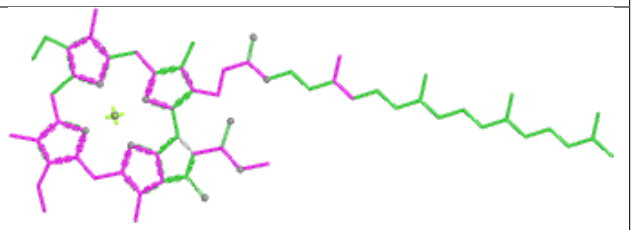


Rings

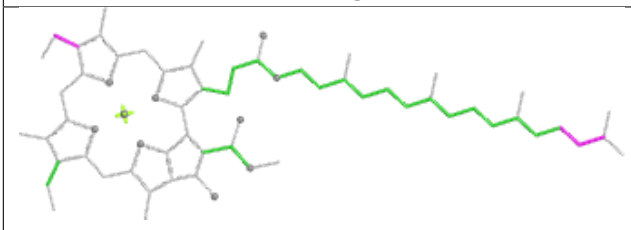
Ligand CLA cB 809



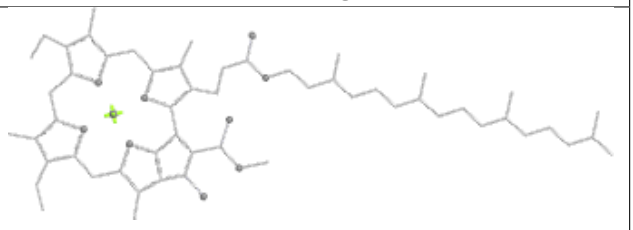
Bond lengths



Bond angles

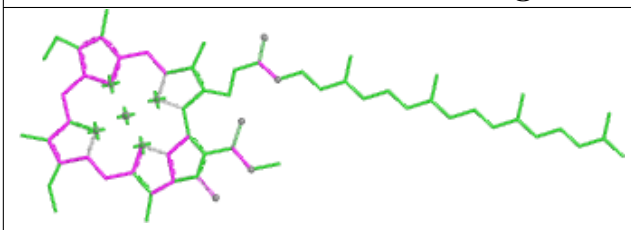


Torsions

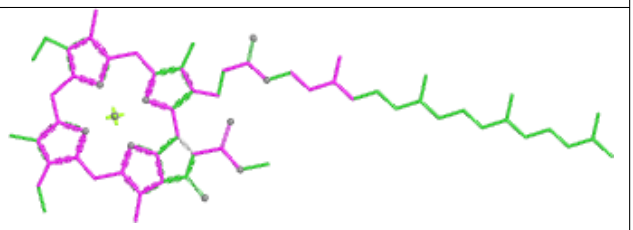


Rings

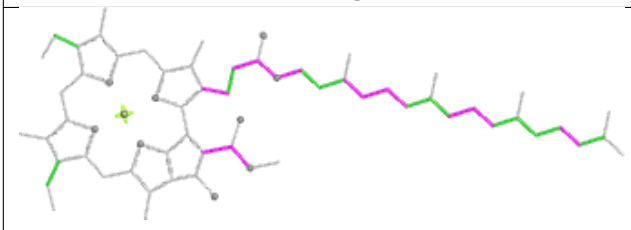
Ligand CLA dB 825



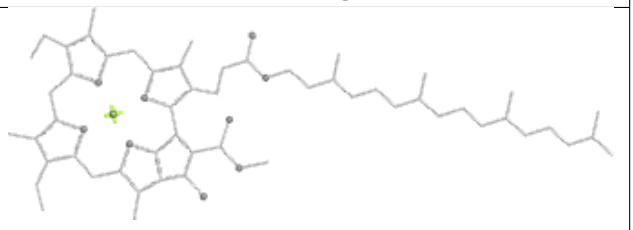
Bond lengths



Bond angles

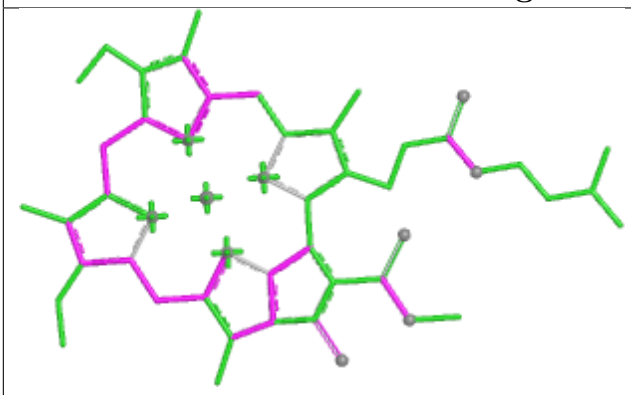


Torsions

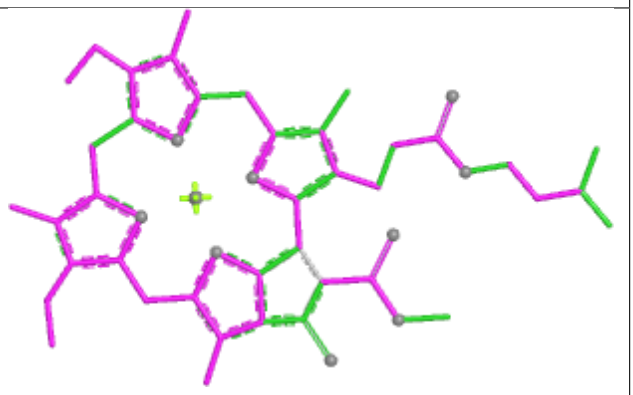


Rings

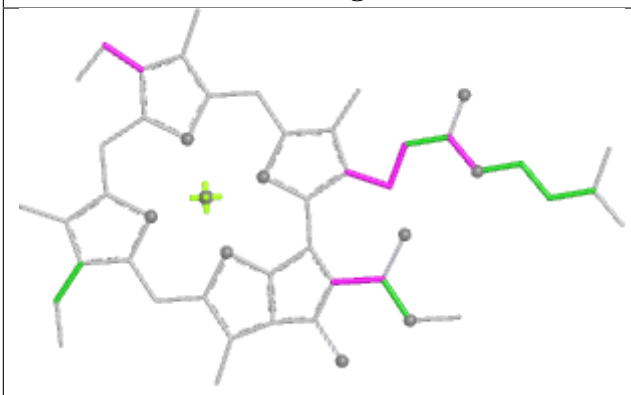
Ligand CLA cA 832



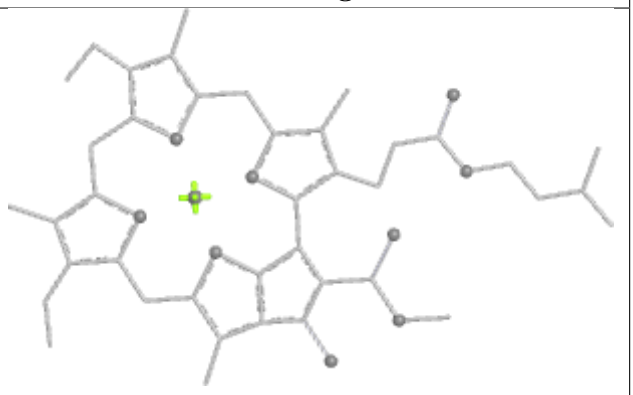
Bond lengths



Bond angles

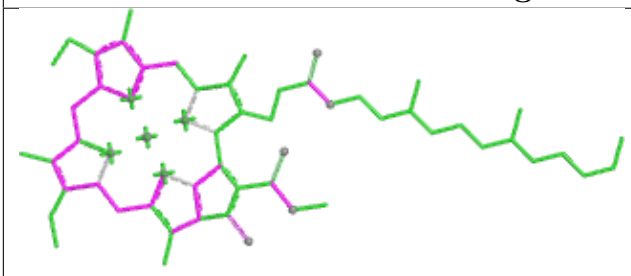


Torsions

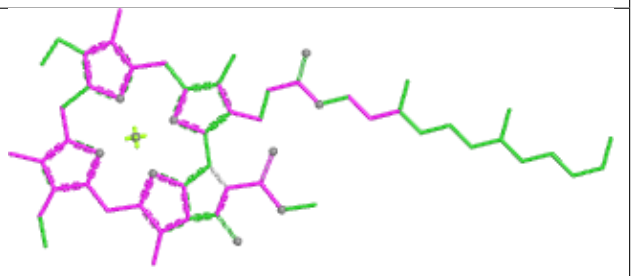


Rings

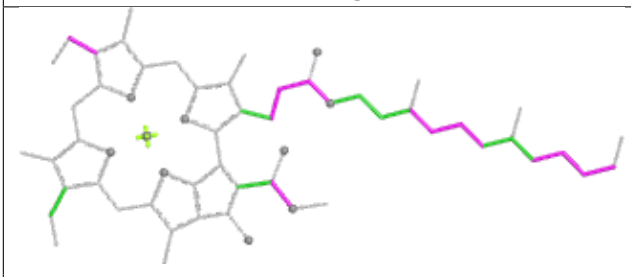
Ligand CLA bB 817



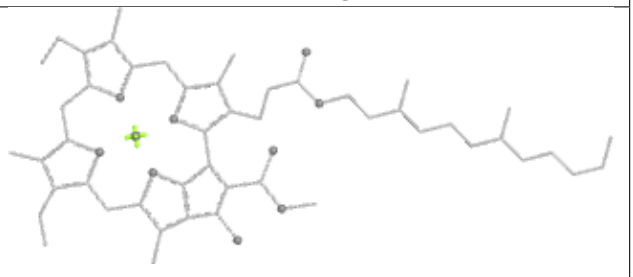
Bond lengths



Bond angles

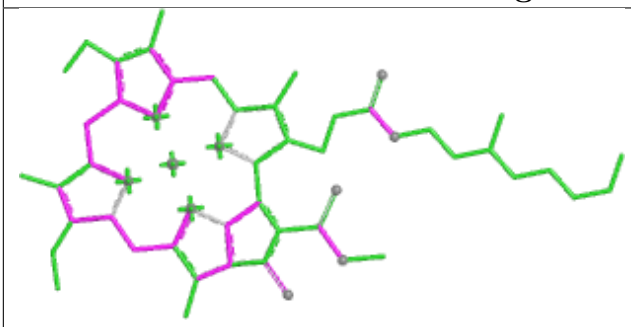


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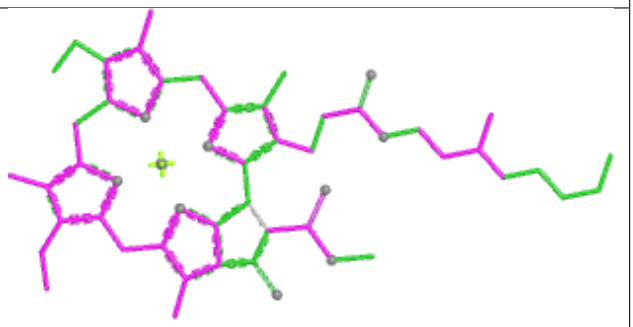


Rings

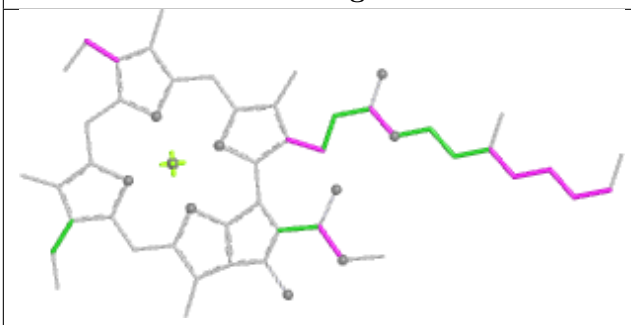
Ligand CLA aA 836



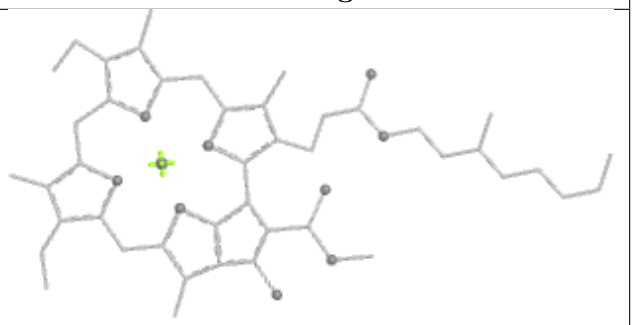
Bond lengths



Bond angles

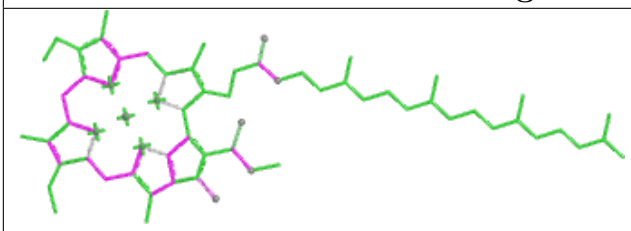


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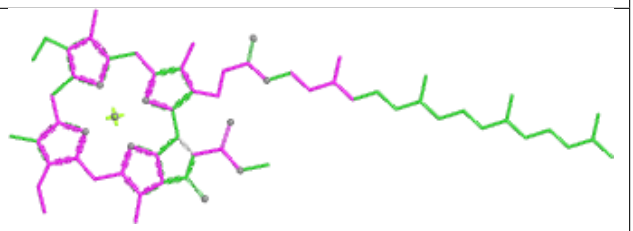


Rings

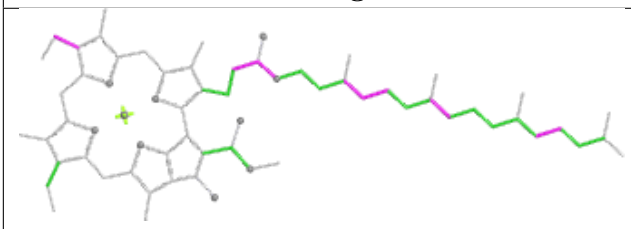
Ligand CLA cB 801



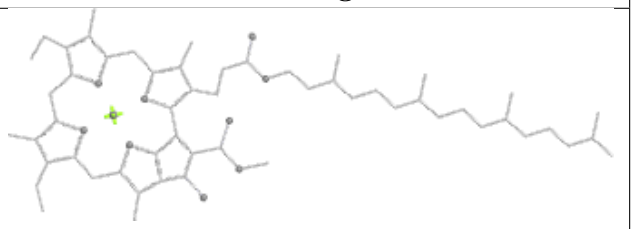
Bond lengths



Bond angles

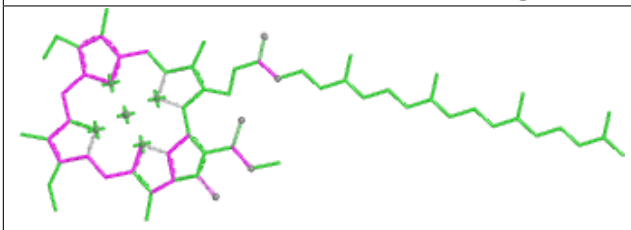


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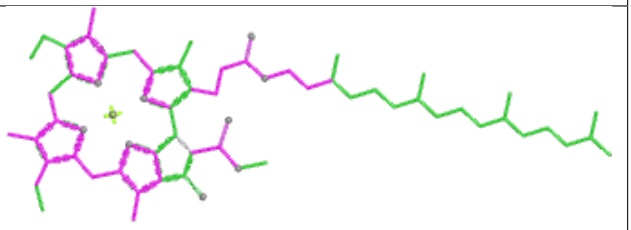


Rings

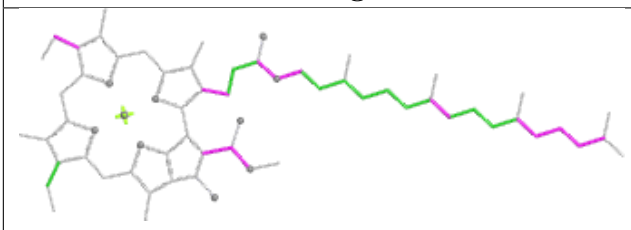
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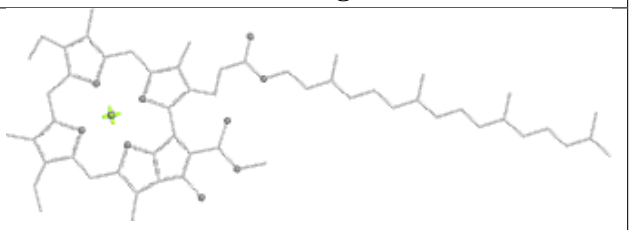
Bond lengths



Bond angles



Torsions

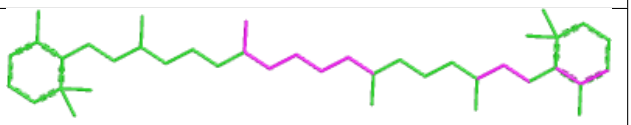


Rings

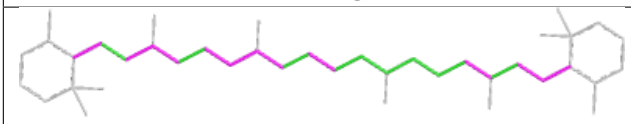
Ligand BCR bL 201



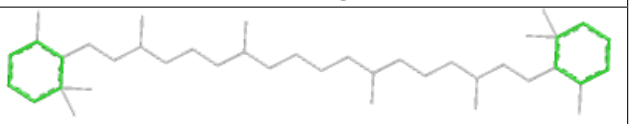
Bond lengths



Bond angles

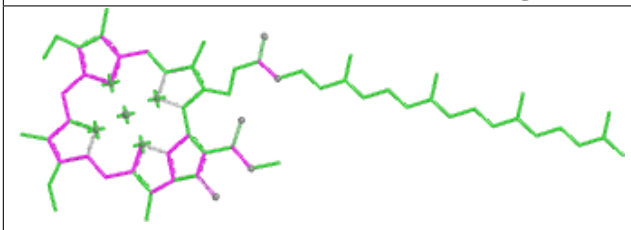


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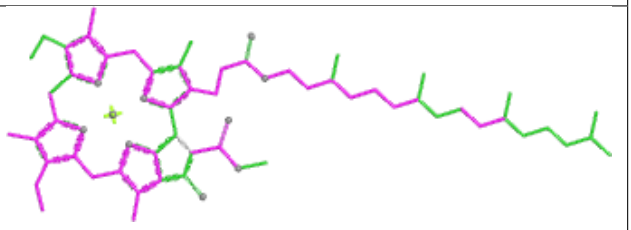


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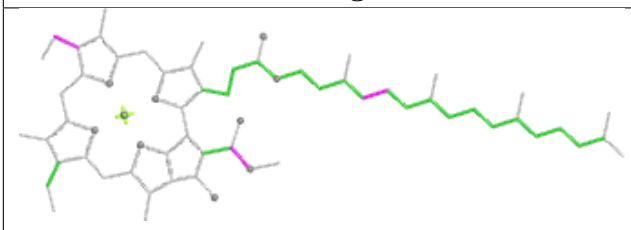
Ligand CLA cB 812



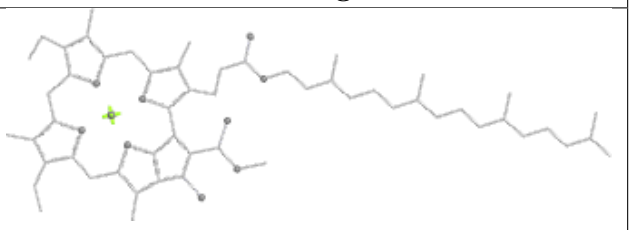
Bond lengths



Bond angles

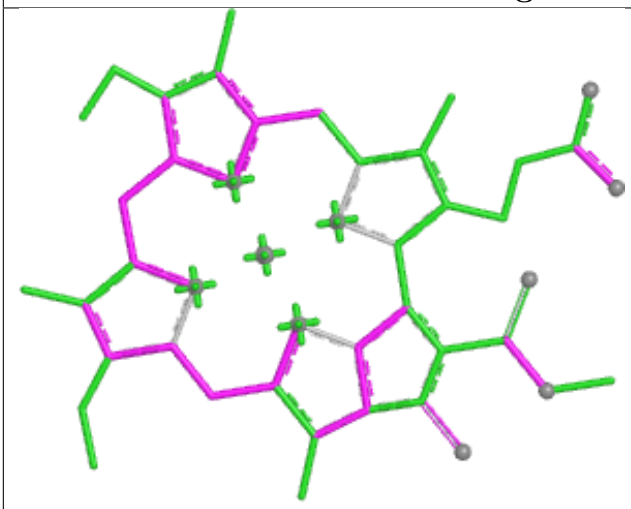


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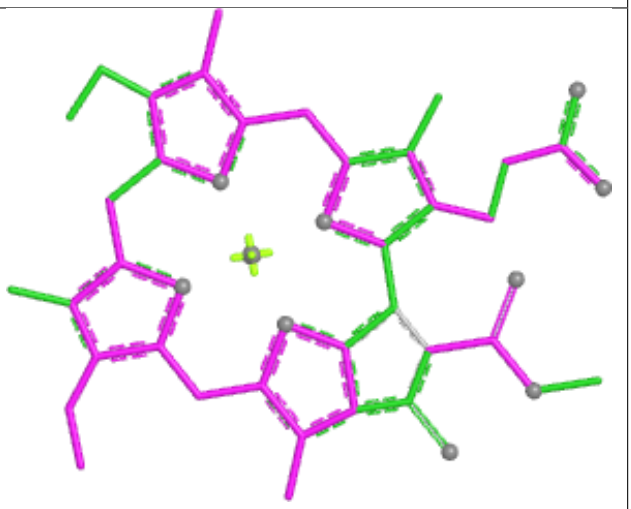


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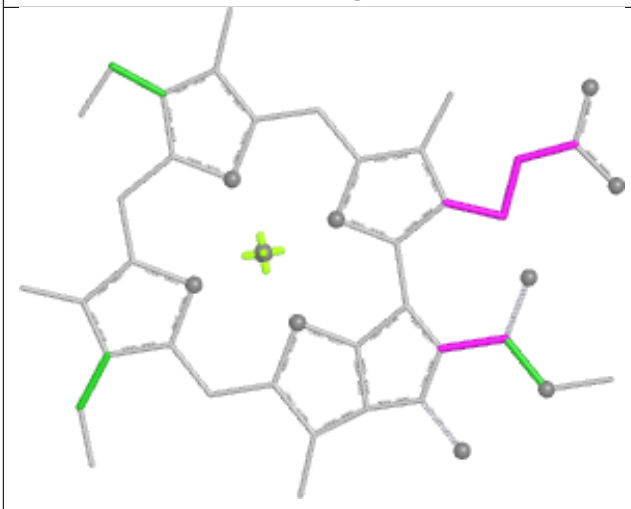
Ligand CLA cA 804



Bond lengths



Bond angles

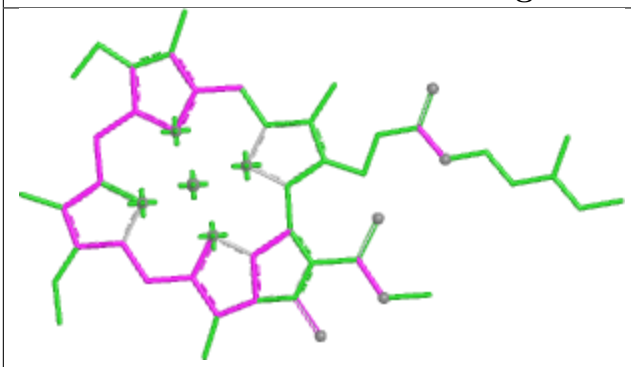


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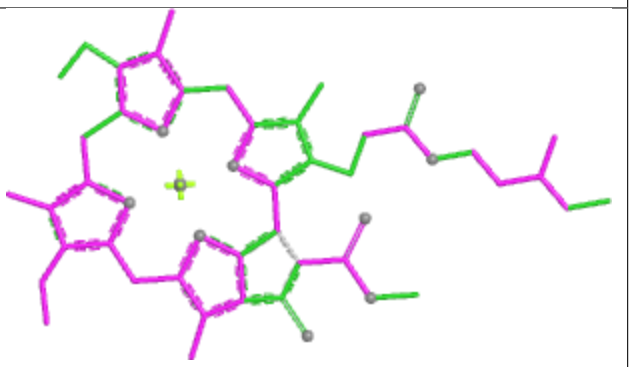


Rings

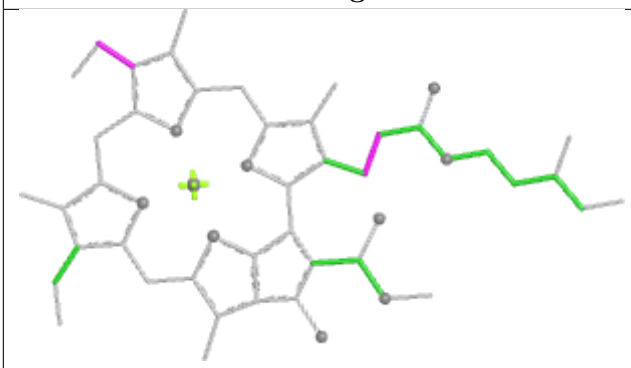
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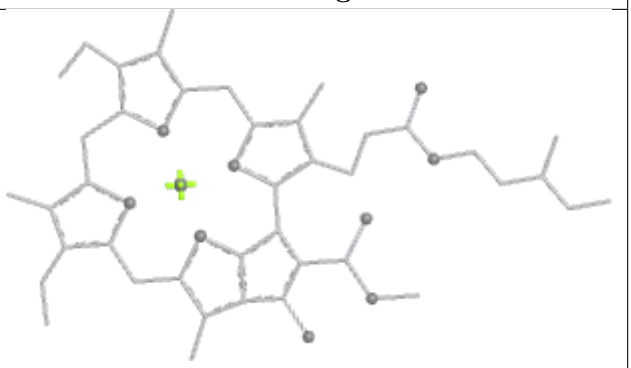
Bond lengths



Bond angles

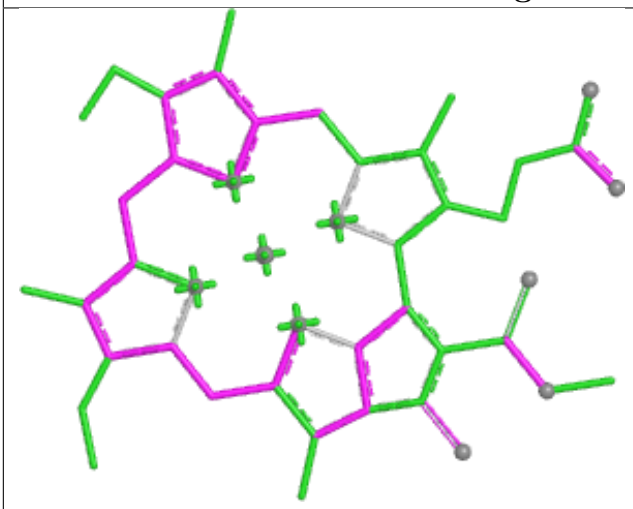


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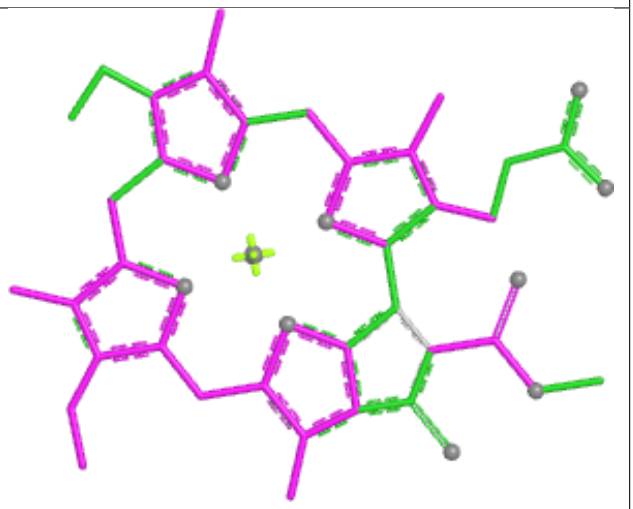


Rings

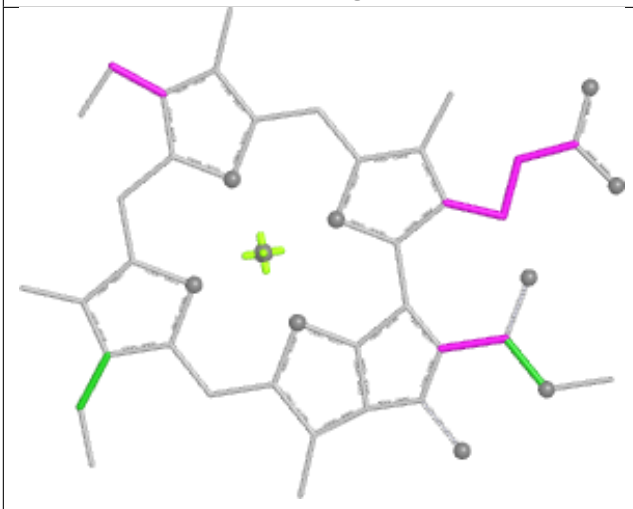
Ligand CLA dB 827



Bond lengths



Bond angles

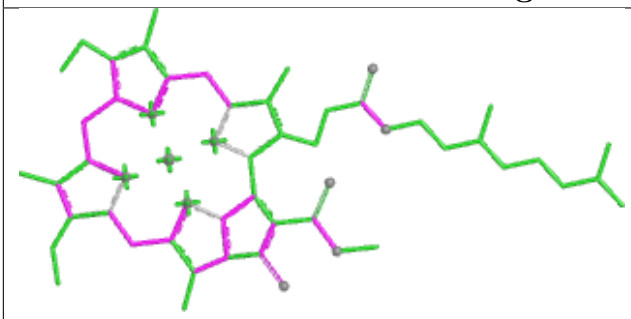


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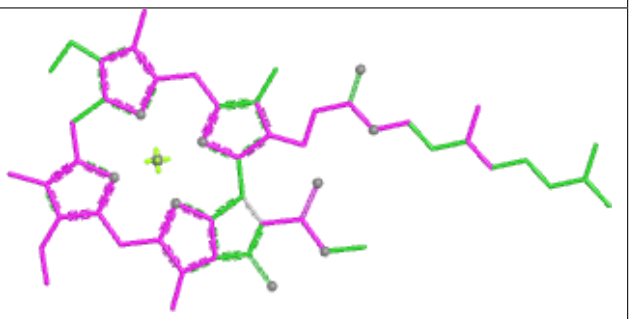


Rings

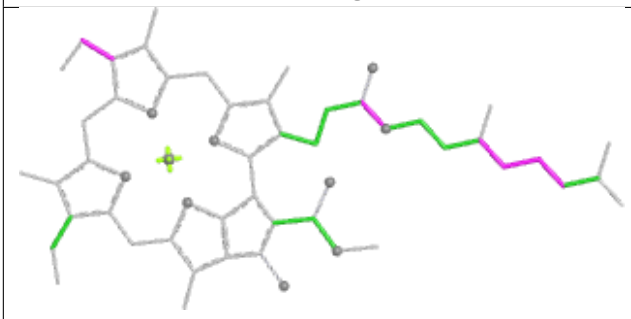
Ligand CLA cA 827



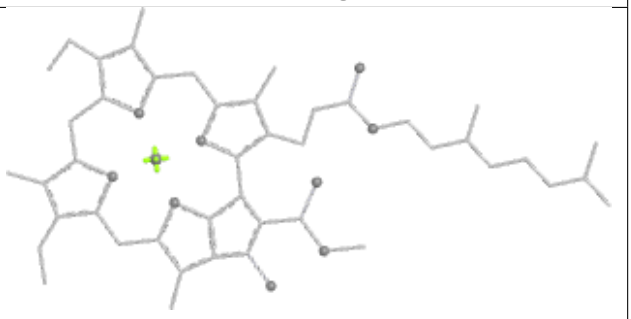
Bond lengths



Bond angles

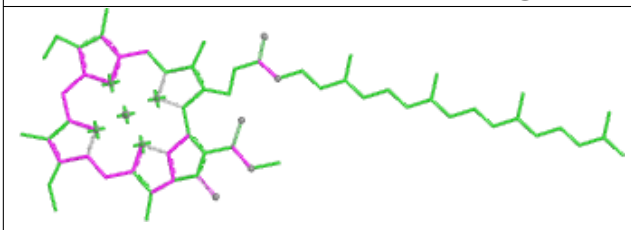


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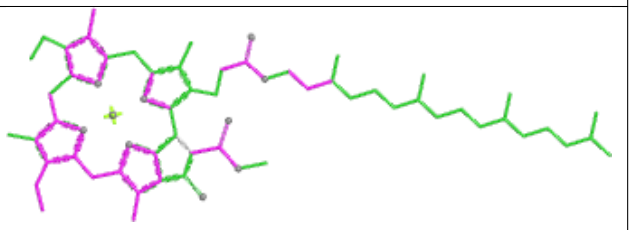


Rings

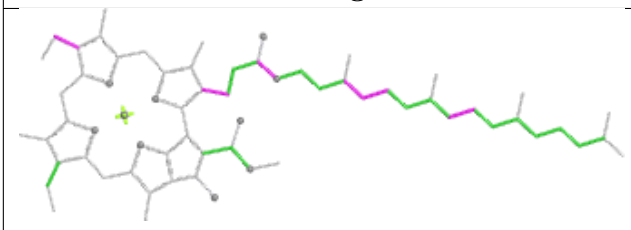
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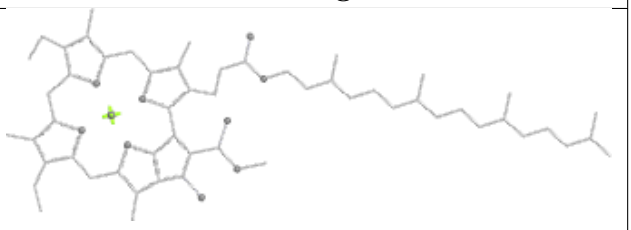
Bond lengths



Bond angles

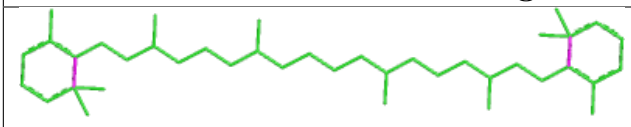


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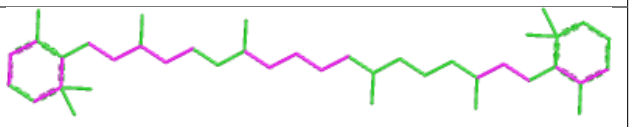


Rings

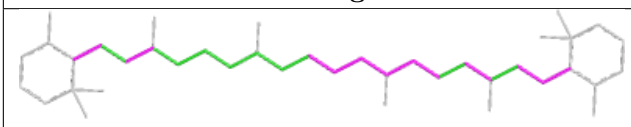
Ligand BCR aJ 104



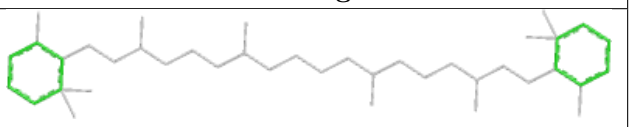
Bond lengths



Bond angles

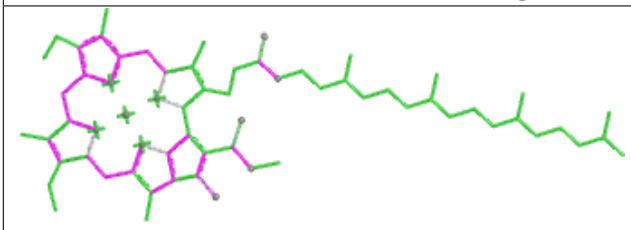


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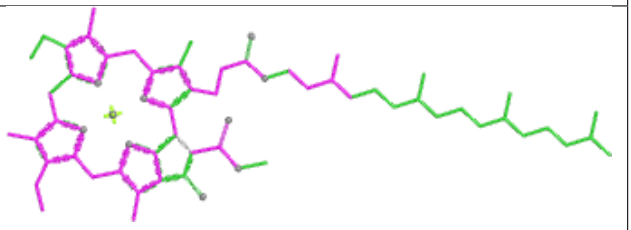


Rings

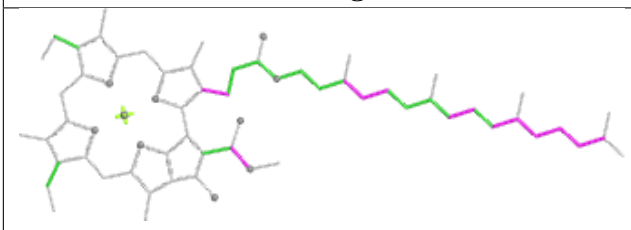
Ligand CLA dA 829



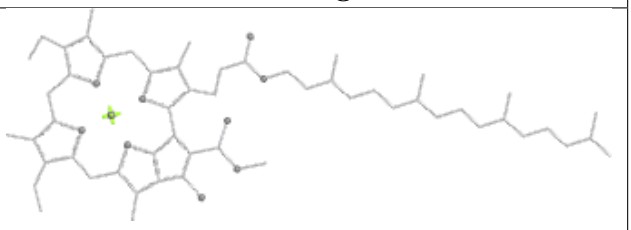
Bond lengths



Bond angles

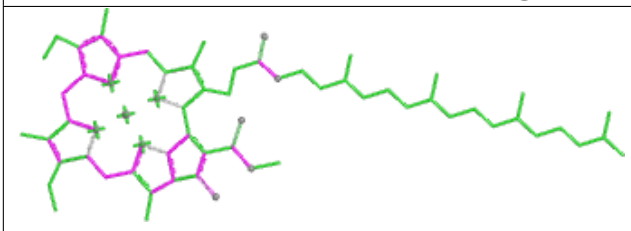


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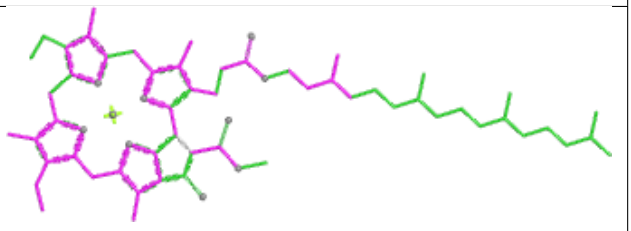


Rings

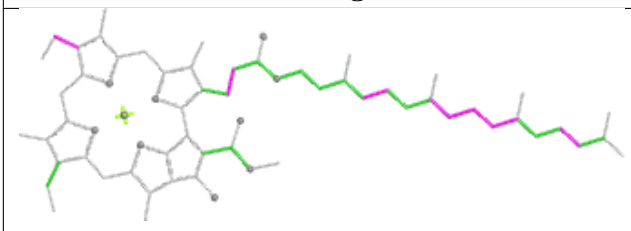
Ligand CLA cA 834



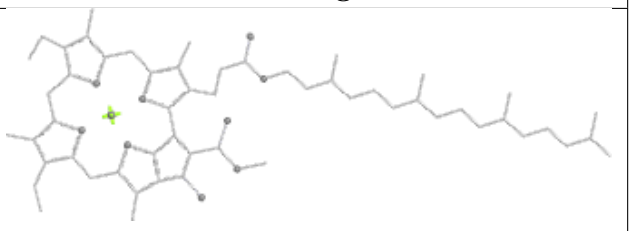
Bond lengths



Bond angles

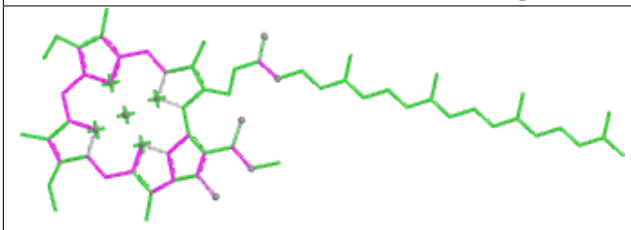


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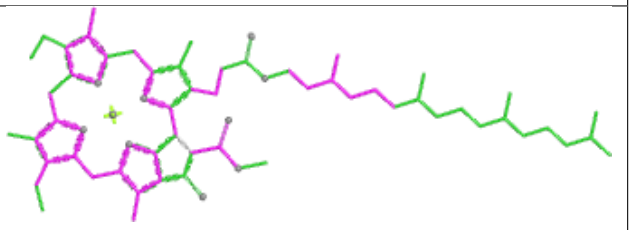


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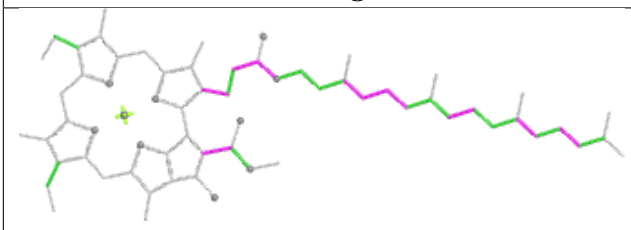
Ligand CLA dA 806



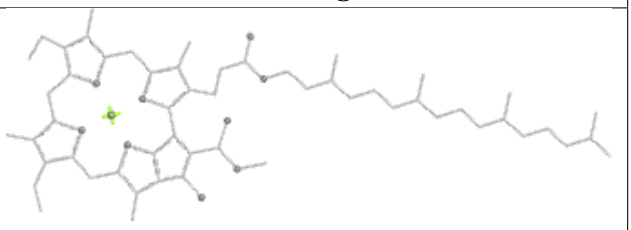
Bond lengths



Bond angles

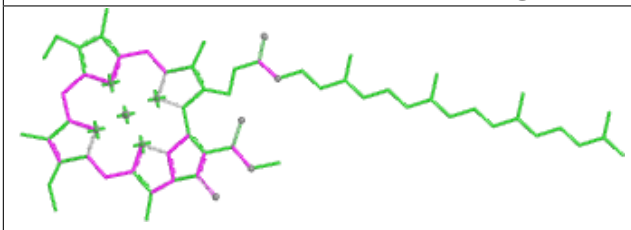


Torsions

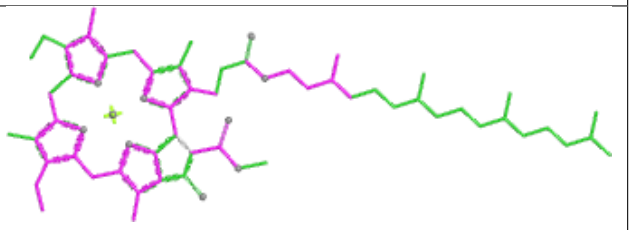


Rings

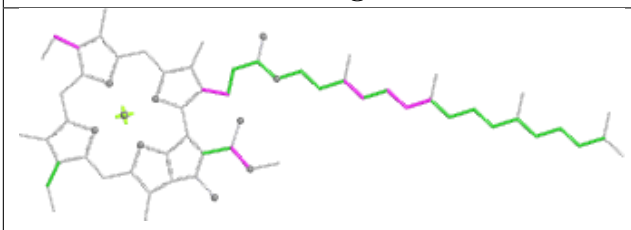
Ligand CLA bA 822



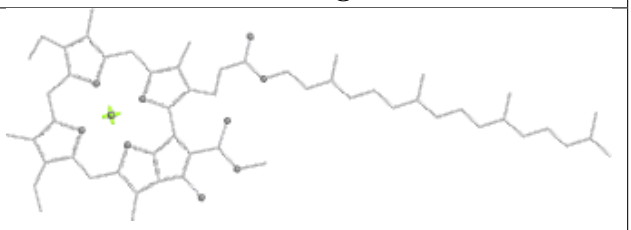
Bond lengths



Bond angles

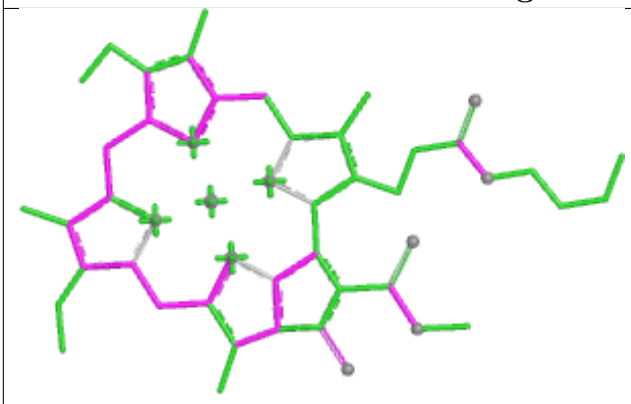


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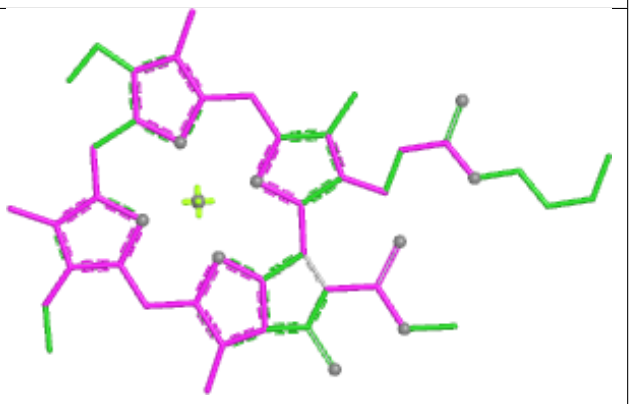


Rings

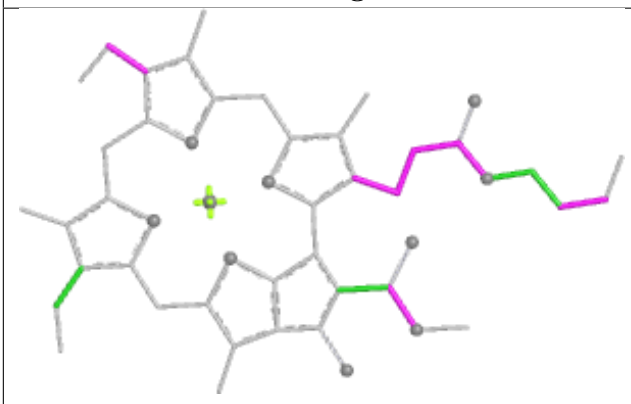
Ligand CLA cB 825



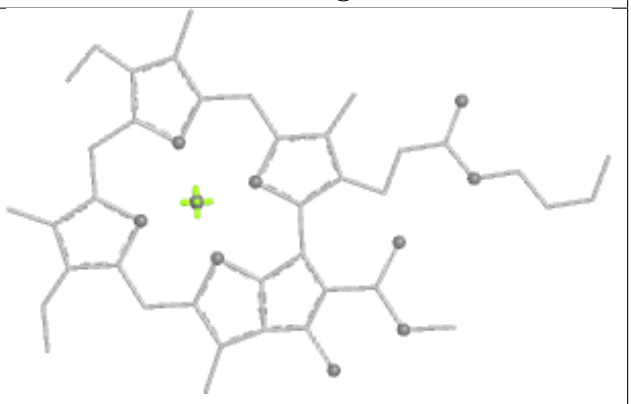
Bond lengths



Bond angles

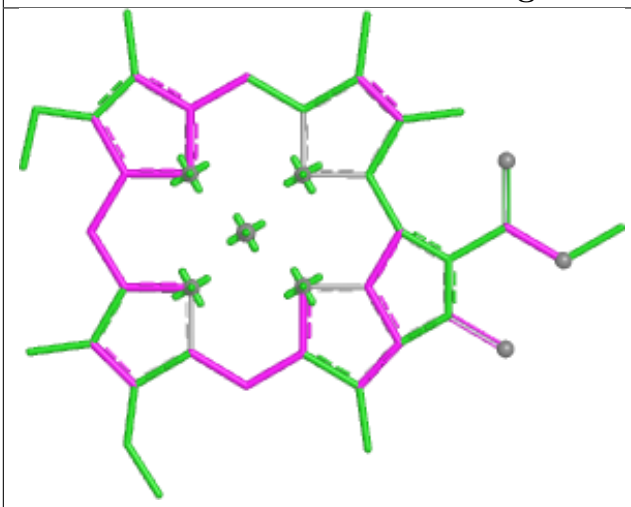


Torsions

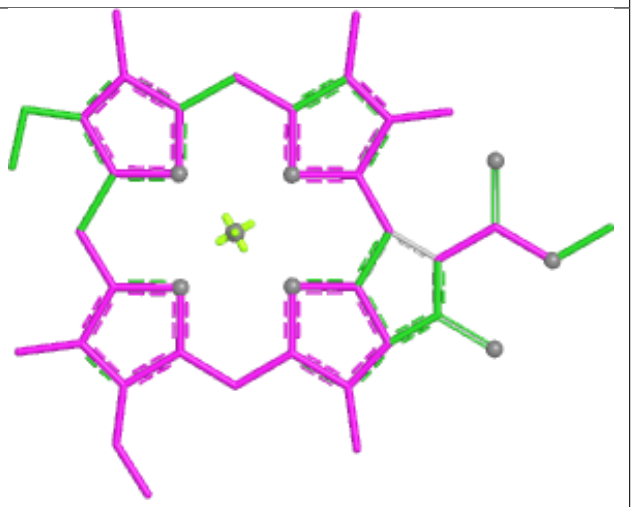


Rings

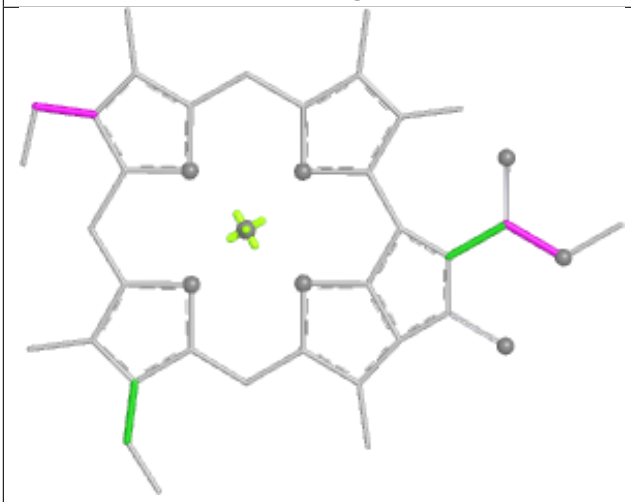
Ligand CLA aL 204



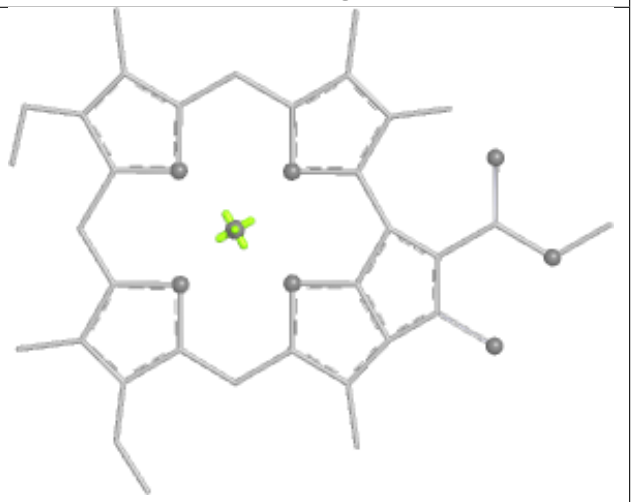
Bond lengths



Bond angles

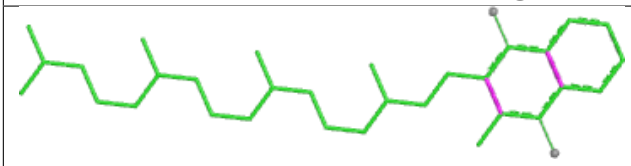


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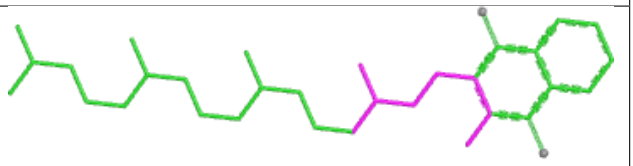


Rings

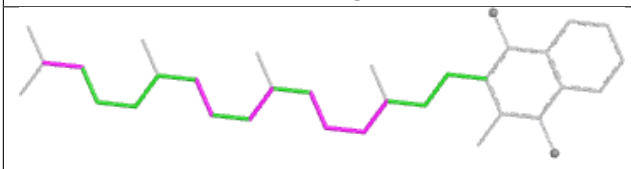
Ligand PQN bA 845



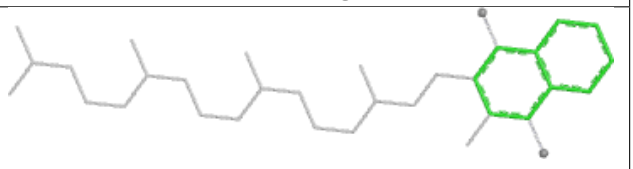
Bond lengths



Bond angles

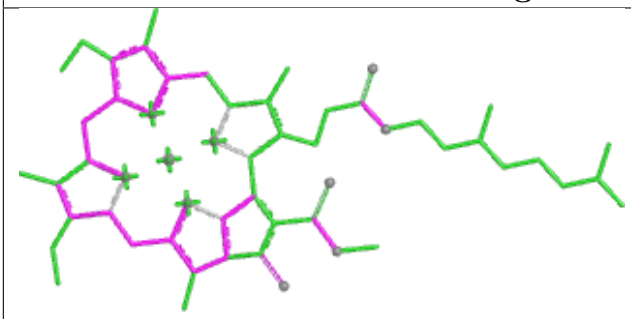


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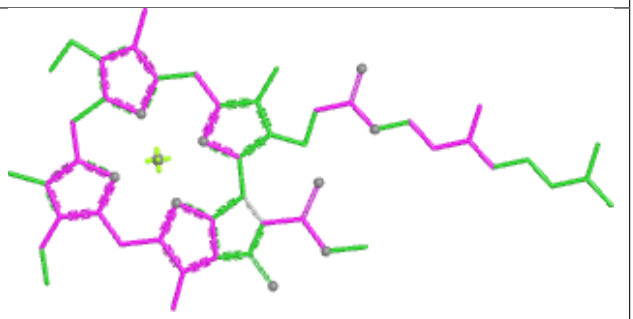


Rings

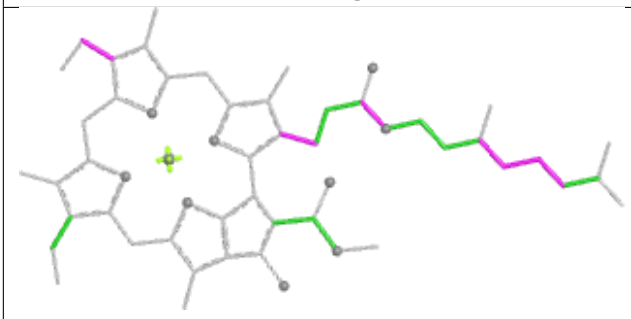
Ligand CLA dB 816



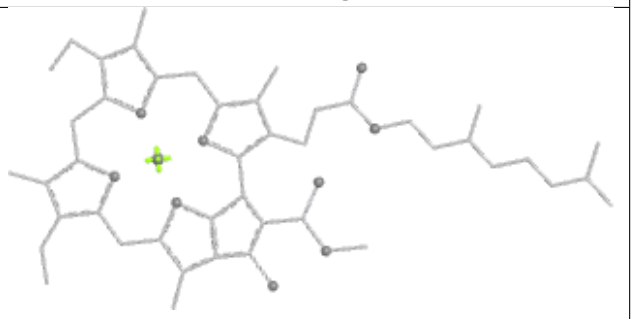
Bond lengths



Bond angles

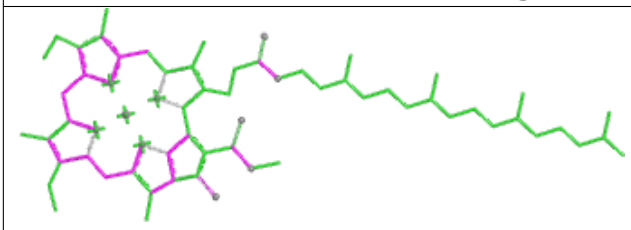


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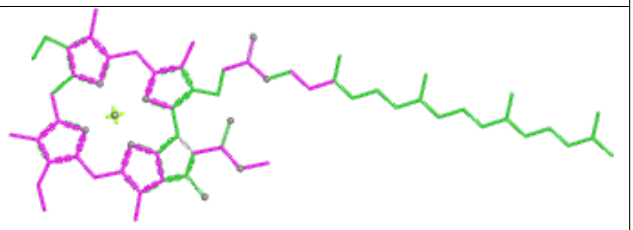


Rings

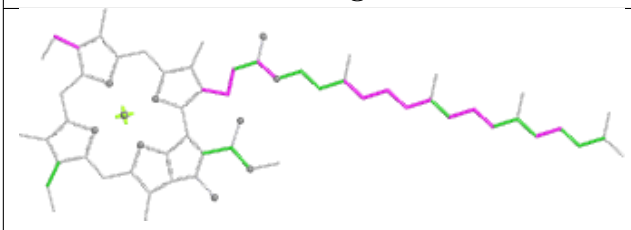
Ligand CLA bB 822



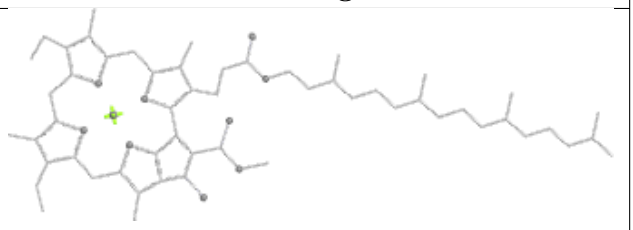
Bond lengths



Bond angles

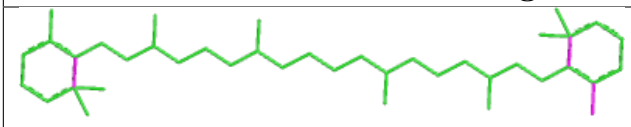


Torsions

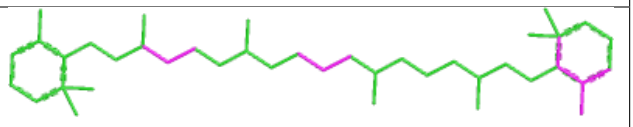


Rings

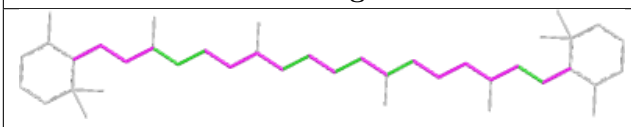
Ligand BCR bI 101



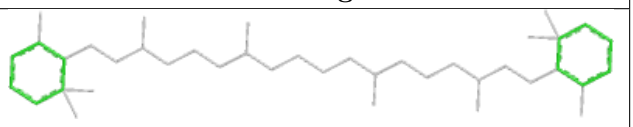
Bond lengths



Bond angles

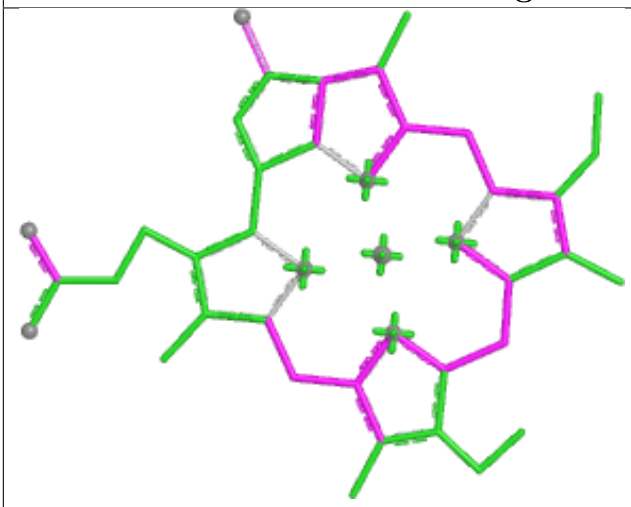


Torsions

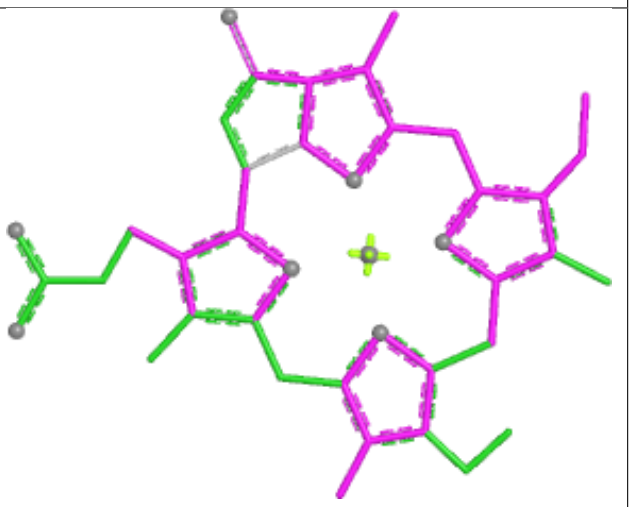


Rings

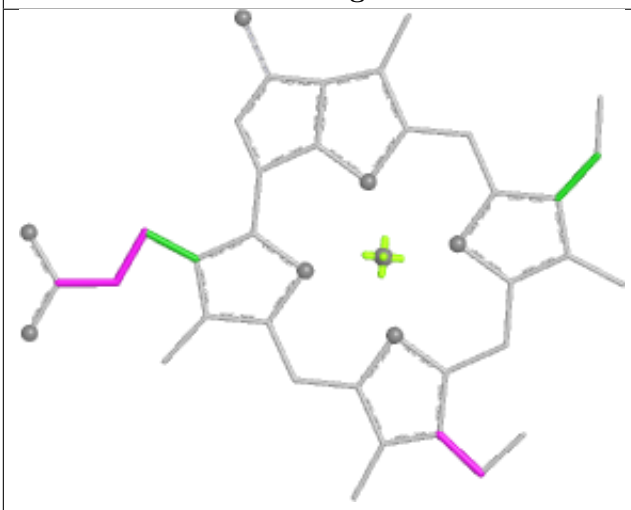
Ligand CLA cK 201



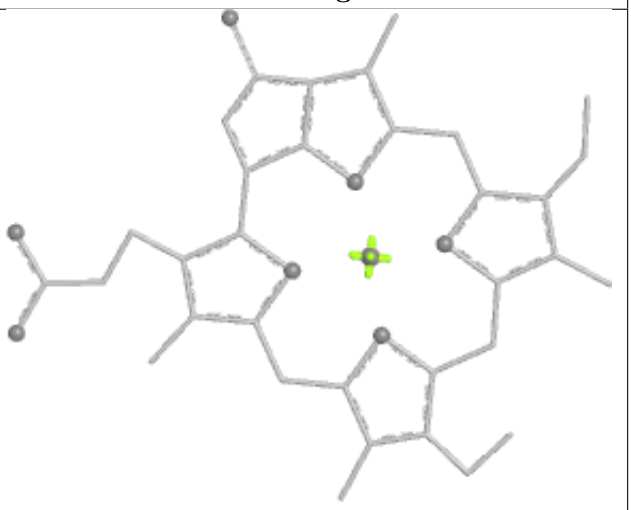
Bond lengths



Bond angles

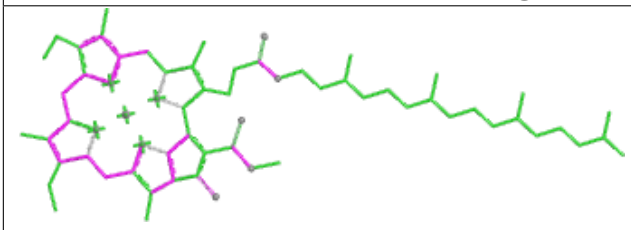


Torsions

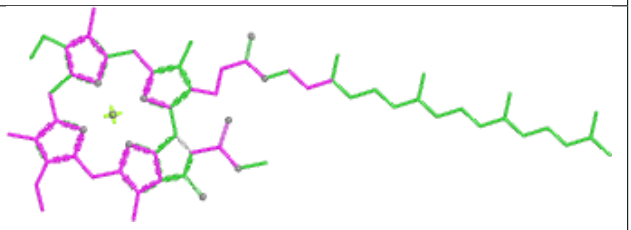


Rings

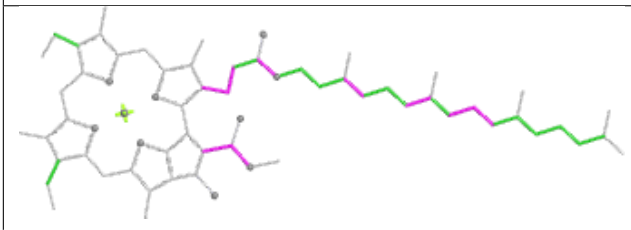
Ligand CLA cA 823



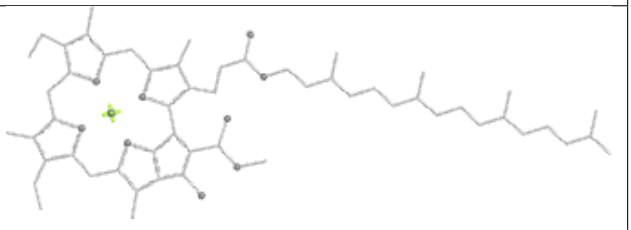
Bond lengths



Bond angles

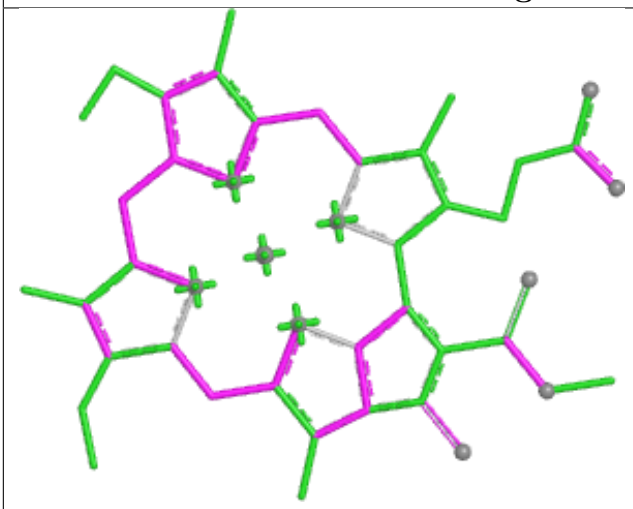


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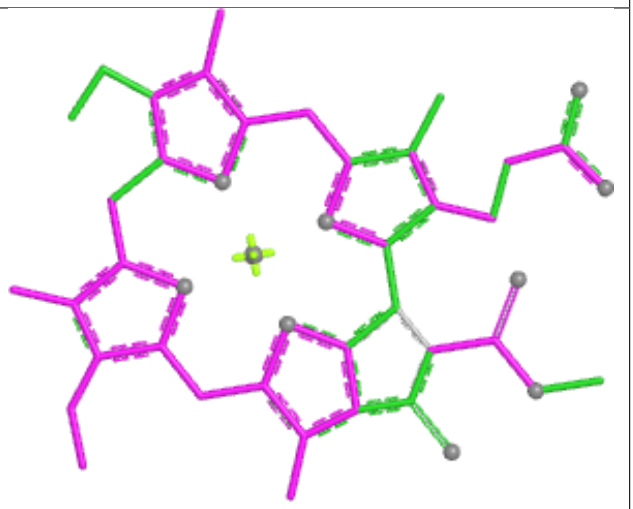


Rings

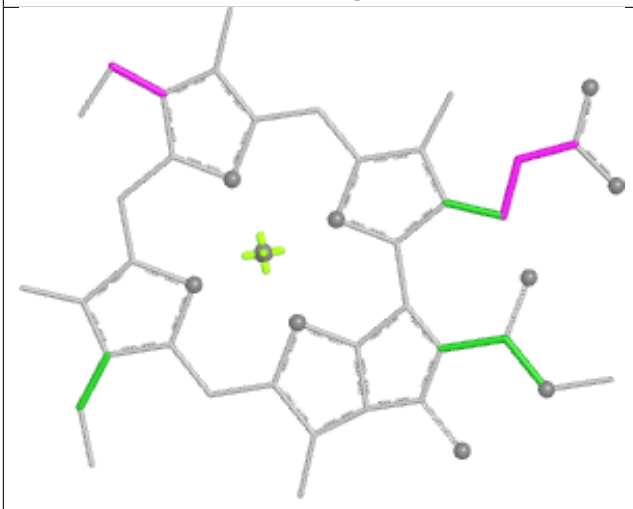
Ligand CLA aA 803



Bond lengths



Bond angles

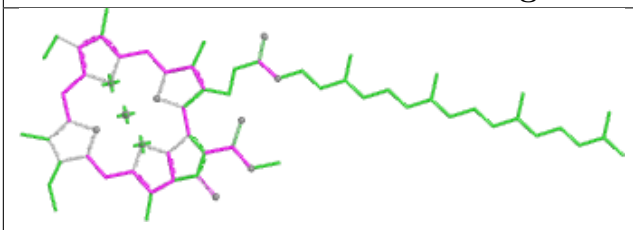


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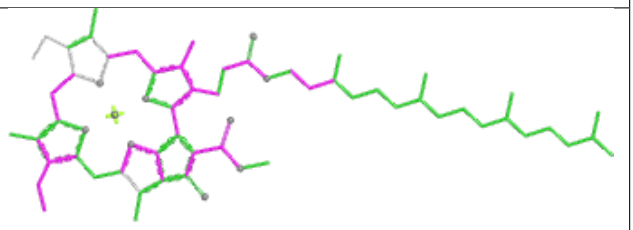


Rings

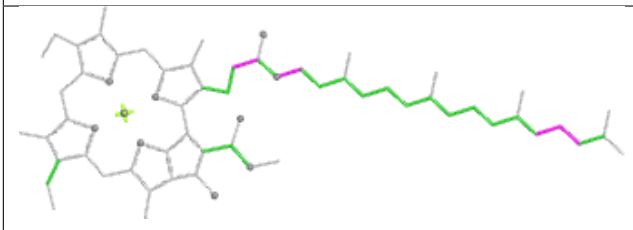
Ligand CL0 aA 801



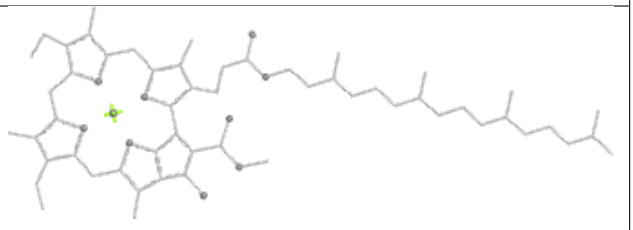
Bond lengths



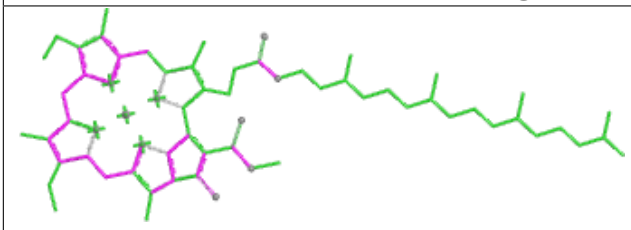
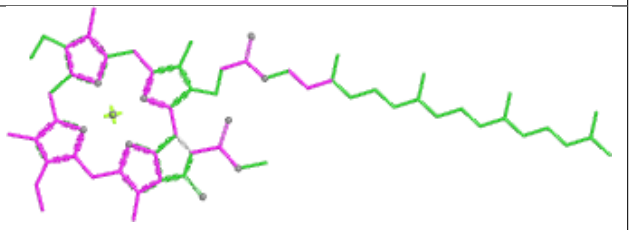
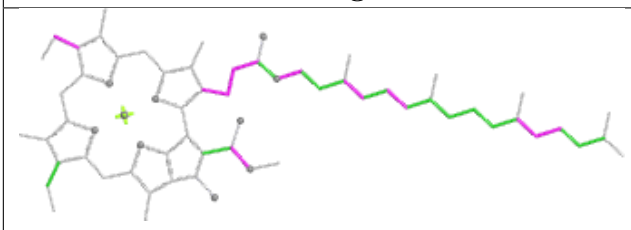
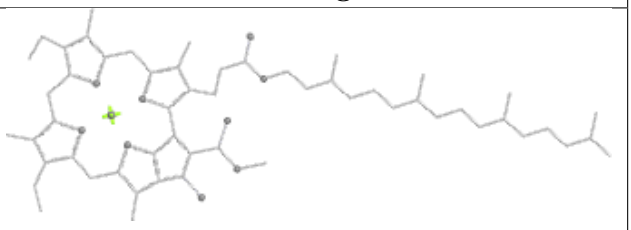
Bond angles

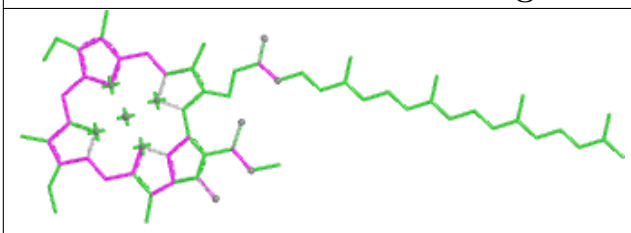
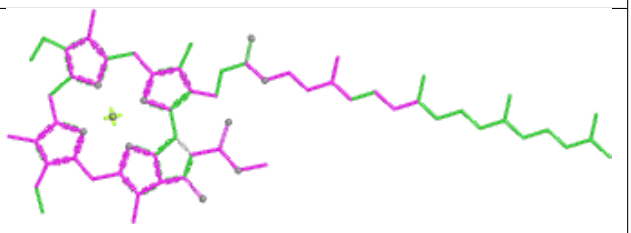
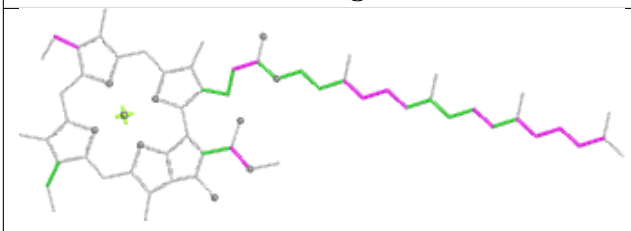
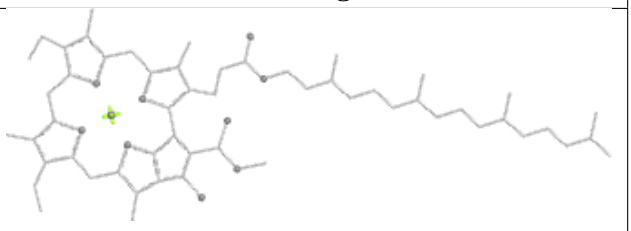


Torsions

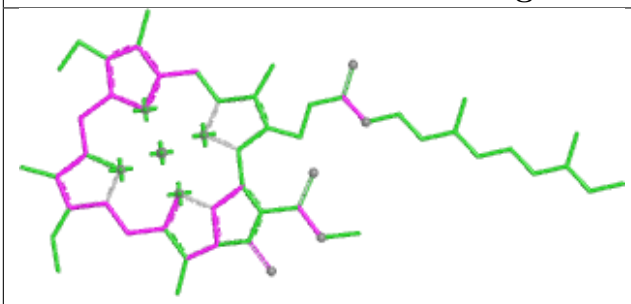


Rings

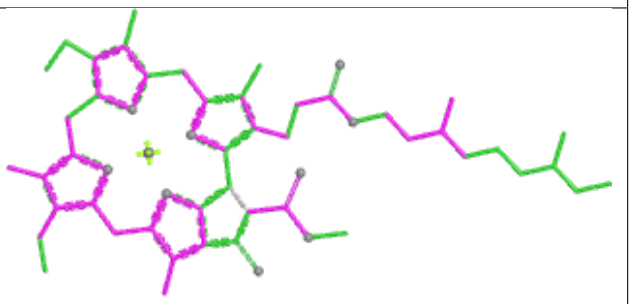
Ligand CLA aA 830	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA cB 808	
	
Bond lengths	Bond angles
	
Torsions	Rings

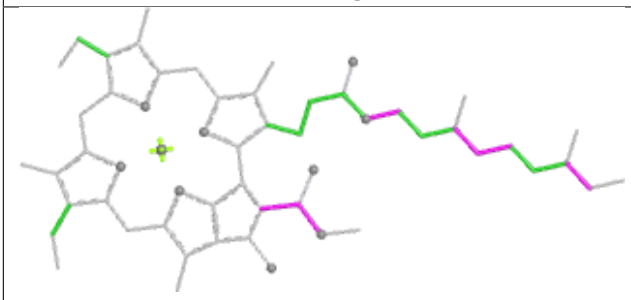
Ligand CLA aB 815



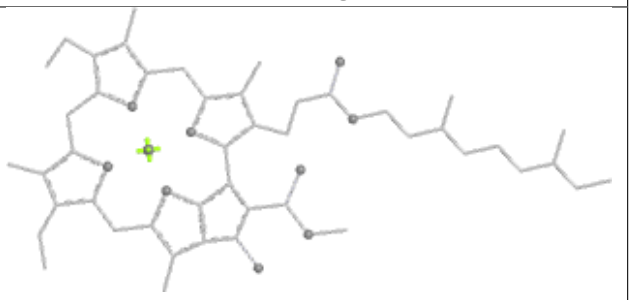
Bond lengths



Bond angles

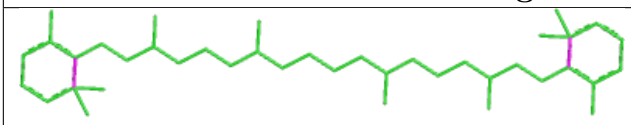


Torsions

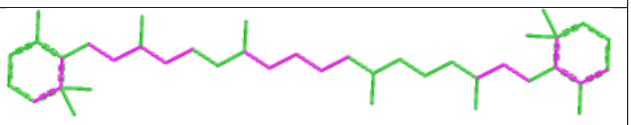


Rings

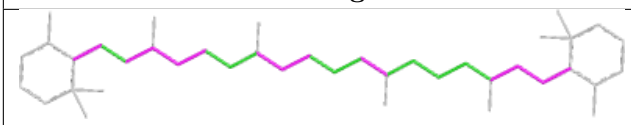
Ligand BCR aL 205



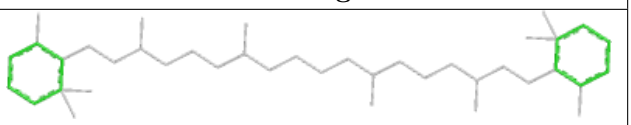
Bond lengths



Bond angles

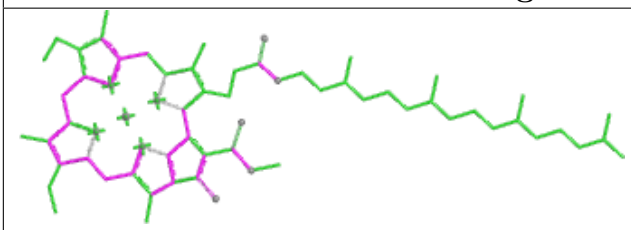


Torsions

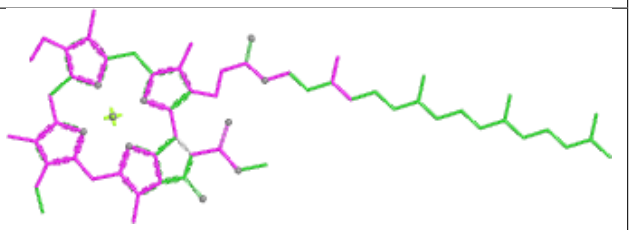


Rings

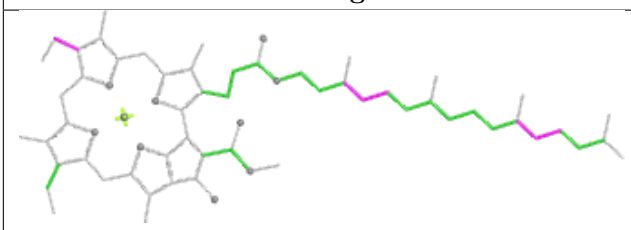
Ligand CLA cB 804



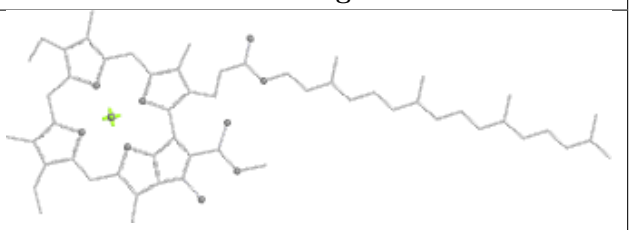
Bond lengths



Bond angles

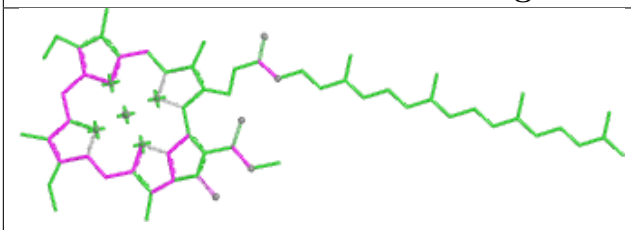


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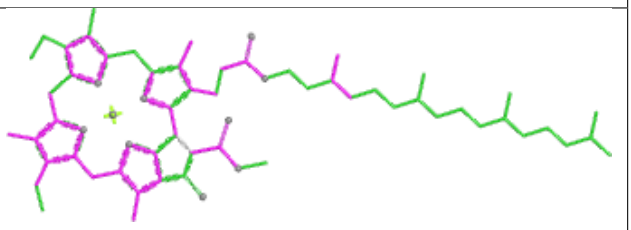


Rings

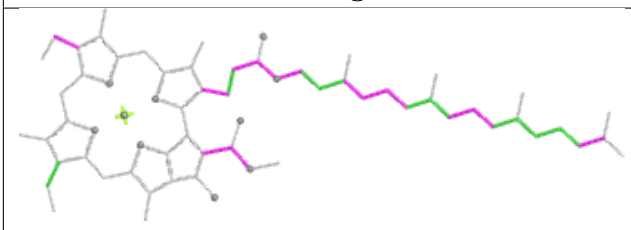
Ligand CLA dB 823



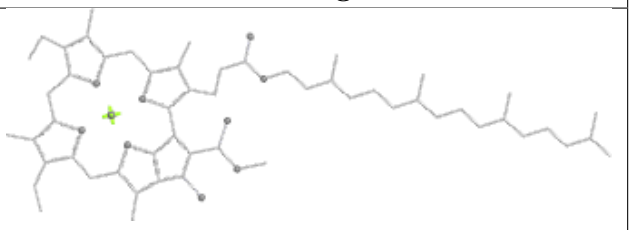
Bond lengths



Bond angles

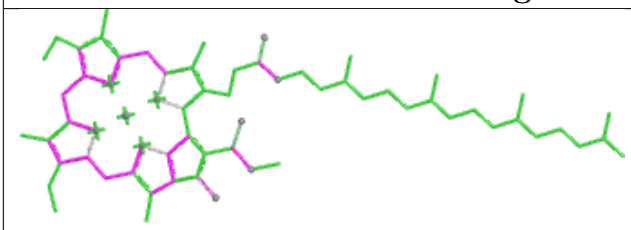


Torsions

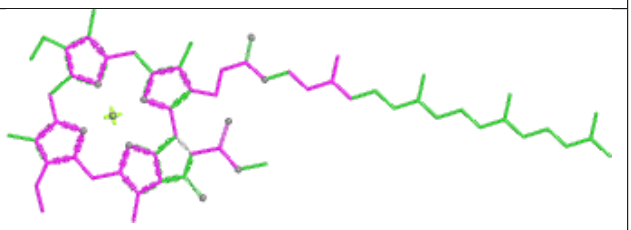


Rings

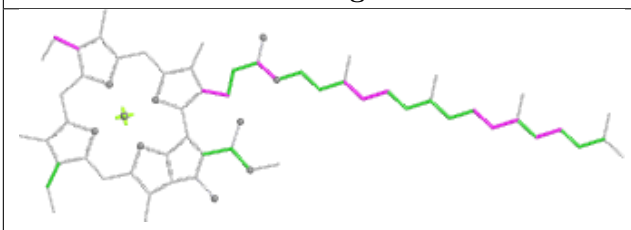
Ligand CLA dA 820



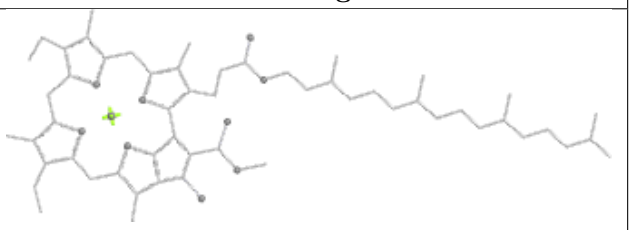
Bond lengths



Bond angles

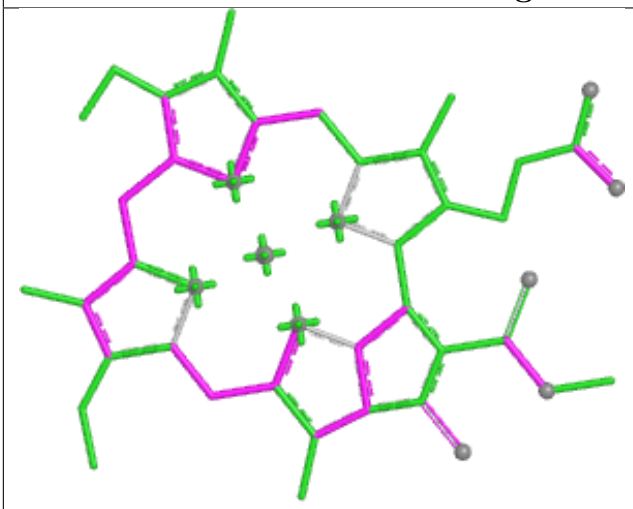


Torsions

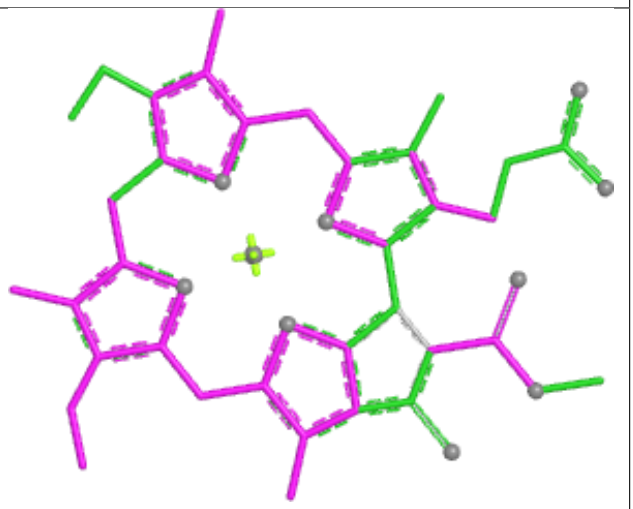


Rings

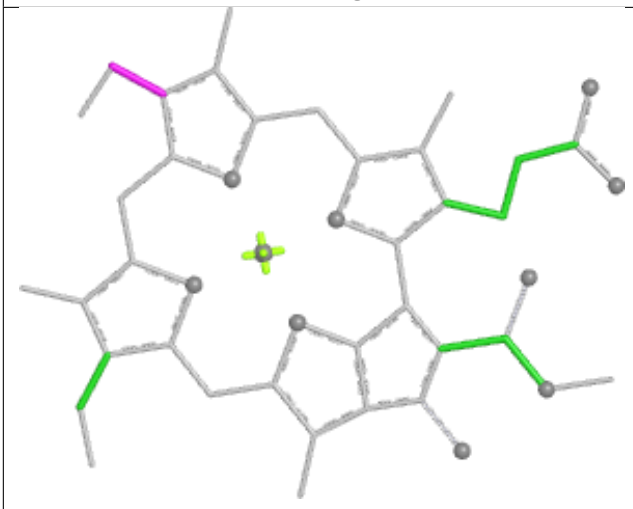
Ligand CLA aA 805



Bond lengths



Bond angles

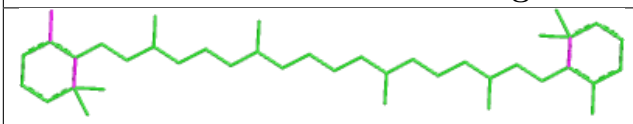


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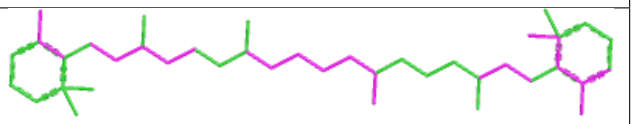


Rings

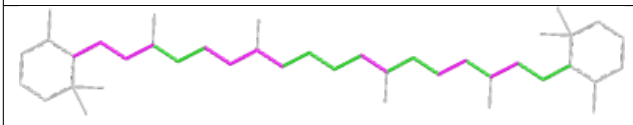
Ligand BCR bA 846



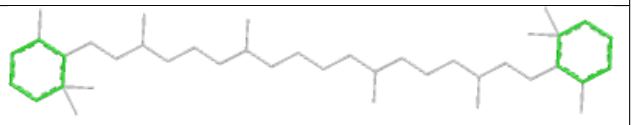
Bond lengths



Bond angles

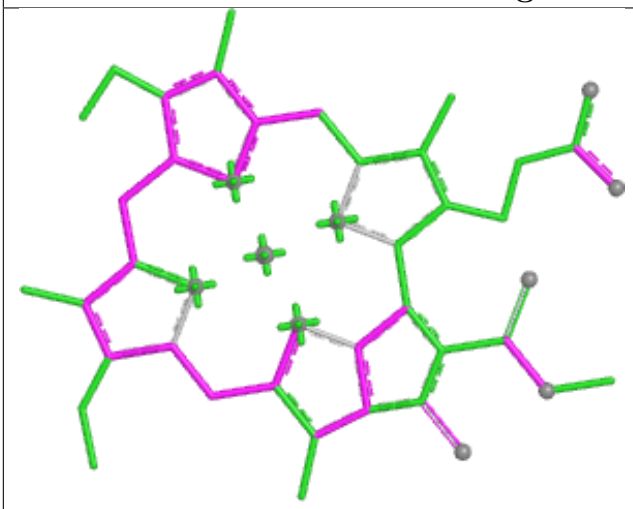


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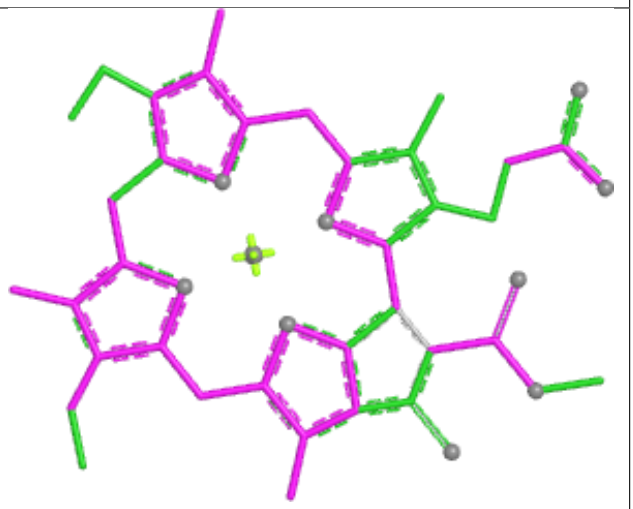


Rings

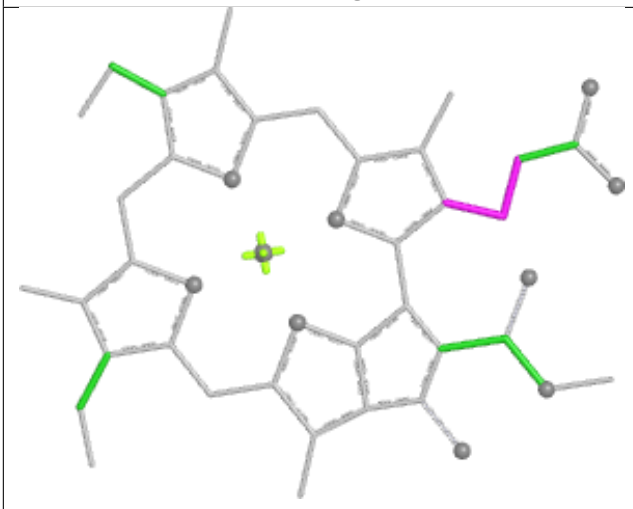
Ligand CLA cB 829



Bond lengths



Bond angles

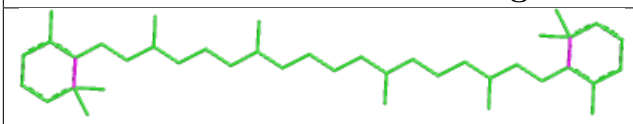


Torsions

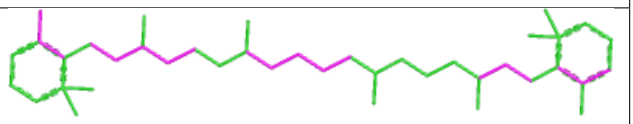


Rings

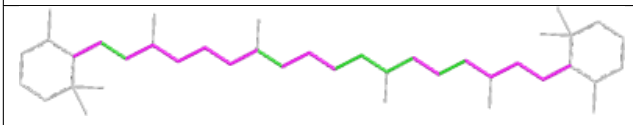
Ligand BCR cM 101



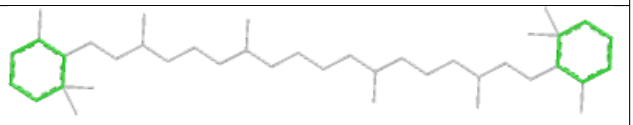
Bond lengths



Bond angles

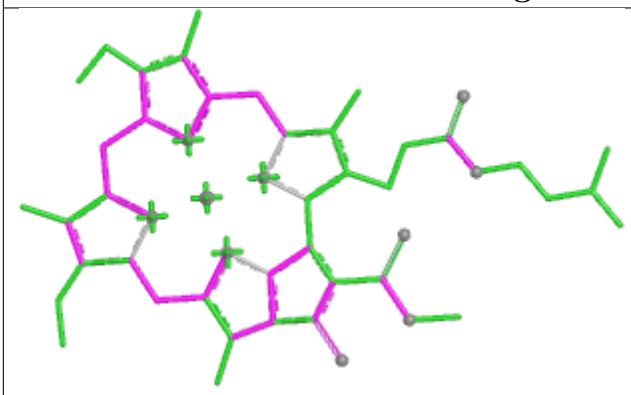


Torsions

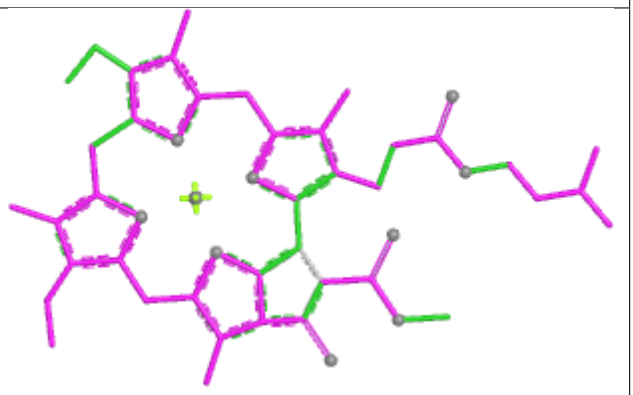


Rings

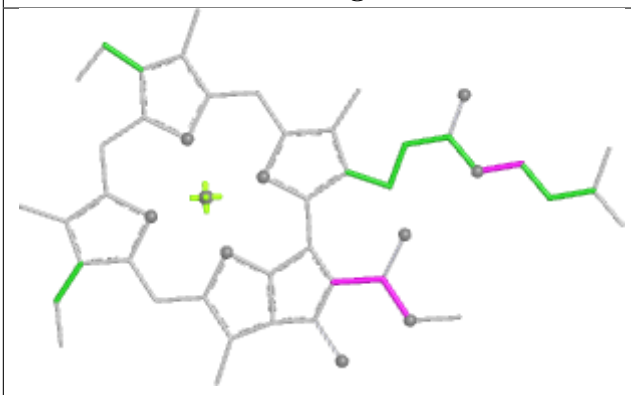
Ligand CLA bA 840



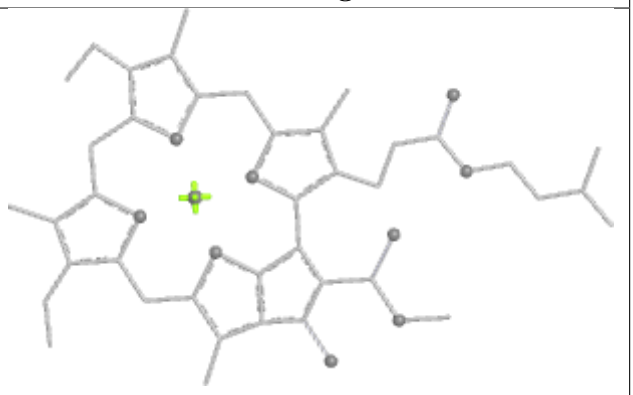
Bond lengths



Bond angles

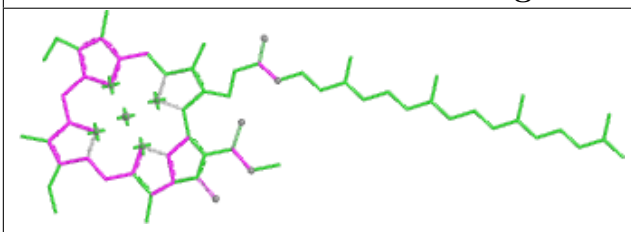


Torsions

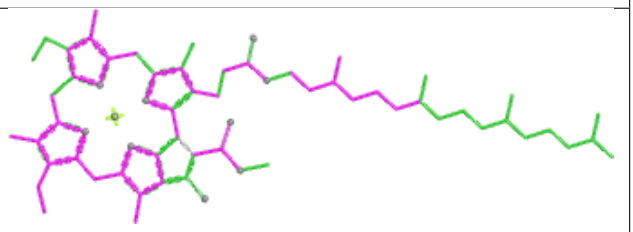


Rings

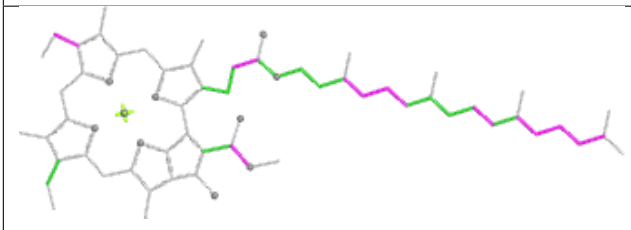
Ligand CLA dB 807



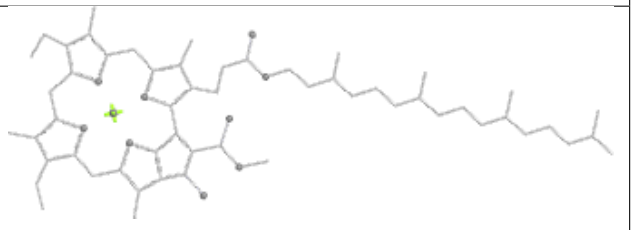
Bond lengths



Bond angles

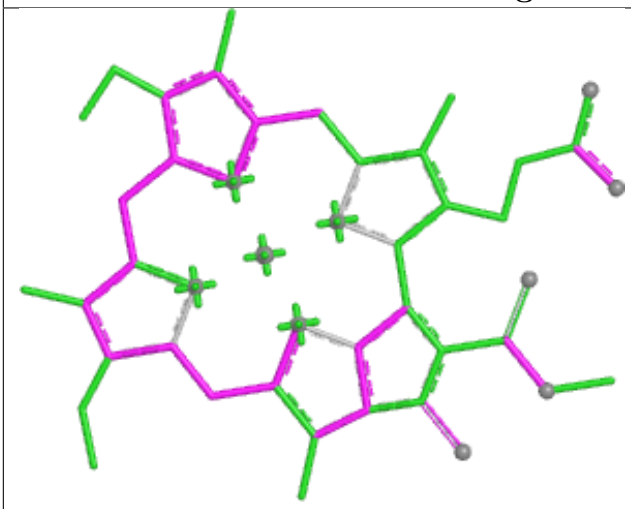


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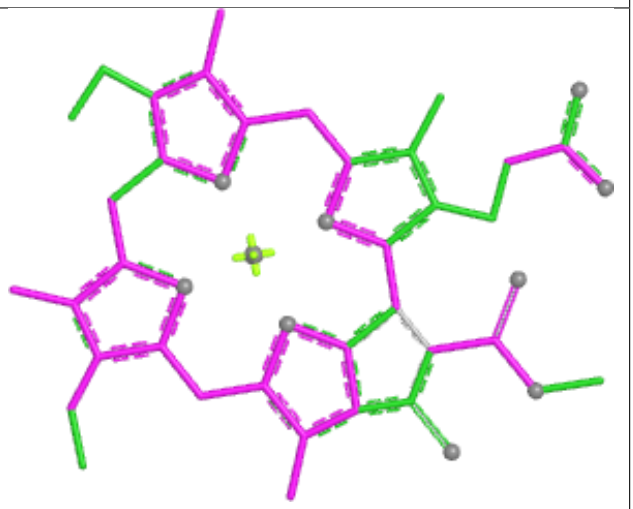


Rings

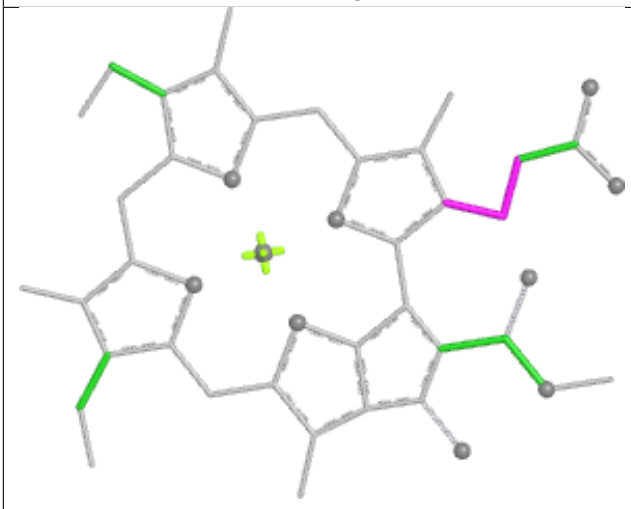
Ligand CLA aB 829



Bond lengths



Bond angles

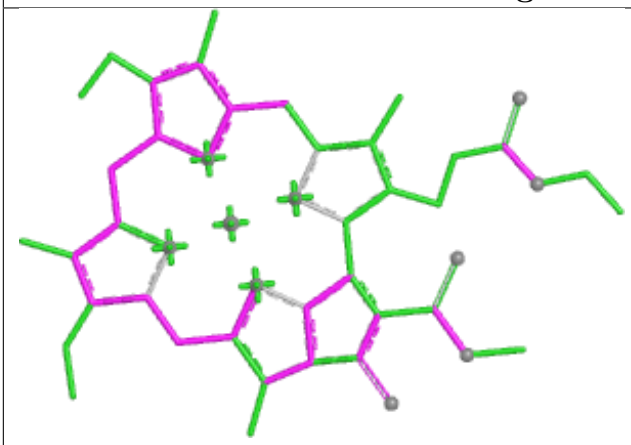


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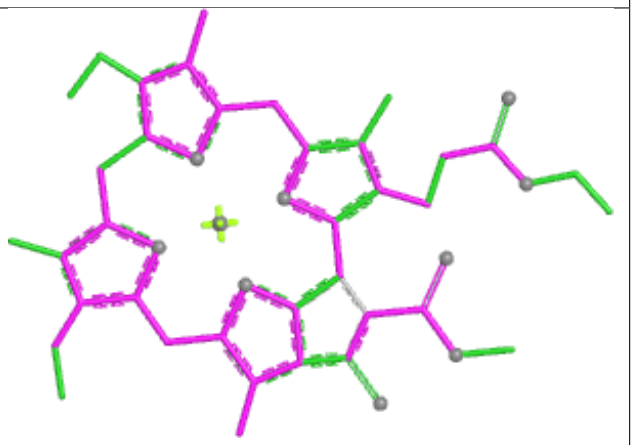


Rings

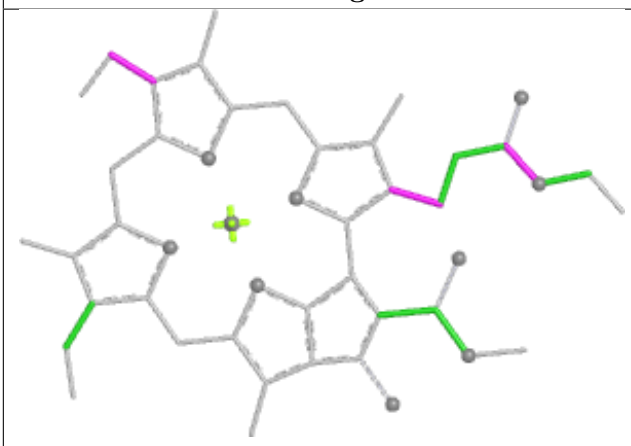
Ligand CLA cB 832



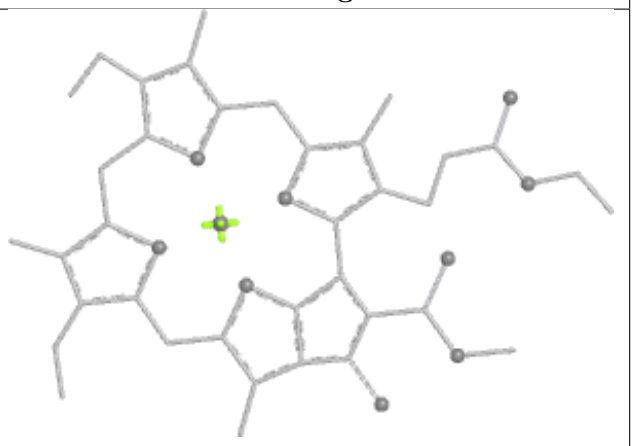
Bond lengths



Bond angles



Torsions

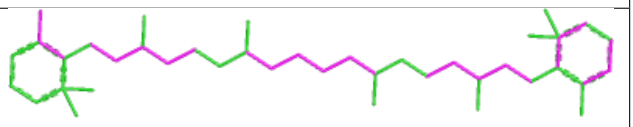


Rings

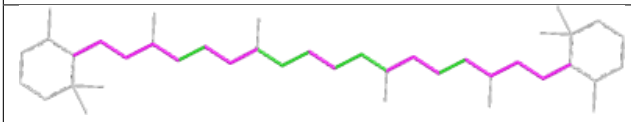
Ligand BCR dA 850



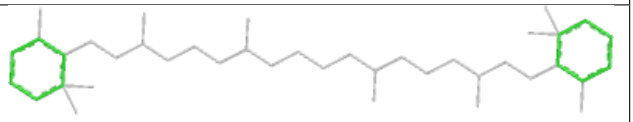
Bond lengths



Bond angles

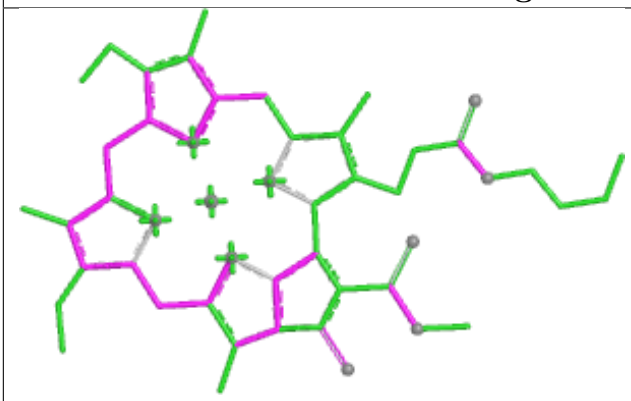


Torsions

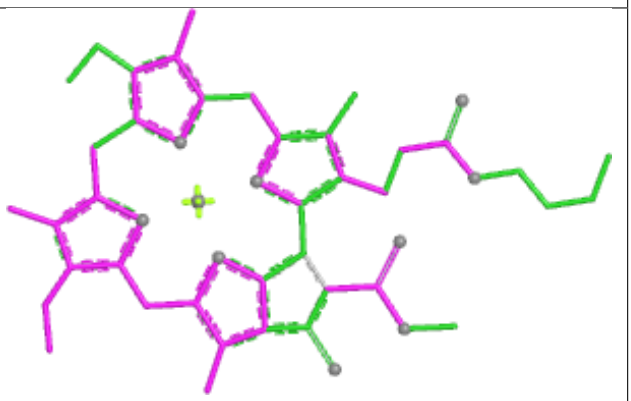


Rings

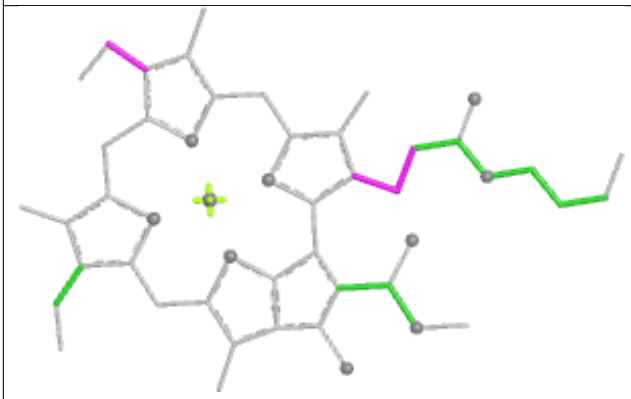
Ligand CLA aA 817



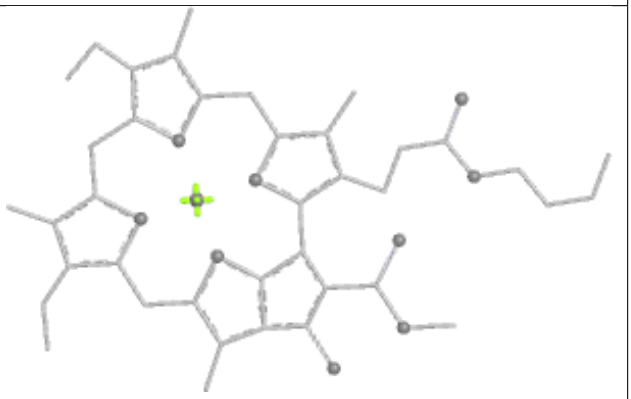
Bond lengths



Bond angles

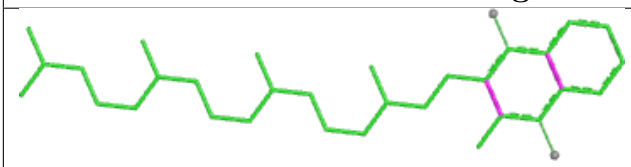


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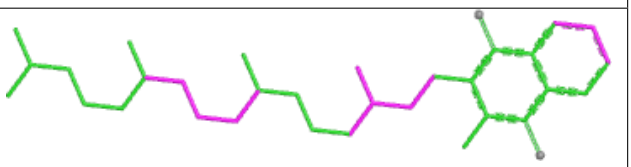


Rings

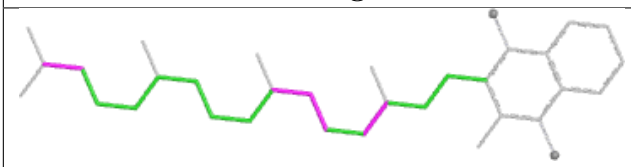
Ligand PQN dB 833



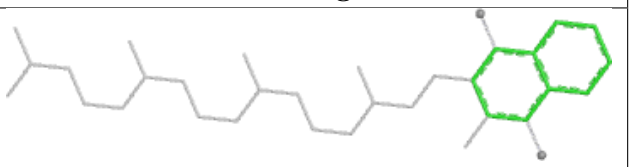
Bond lengths



Bond angles

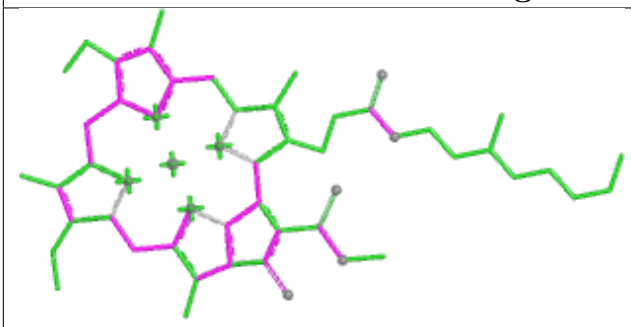


Torsions

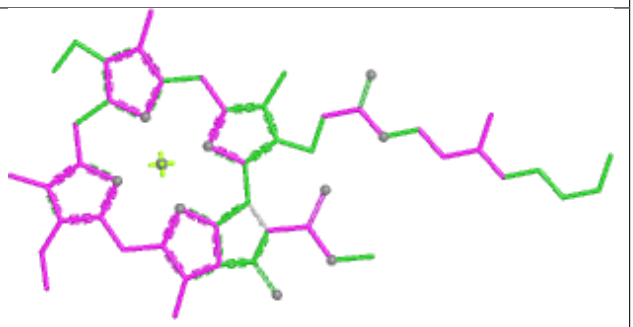


Rings

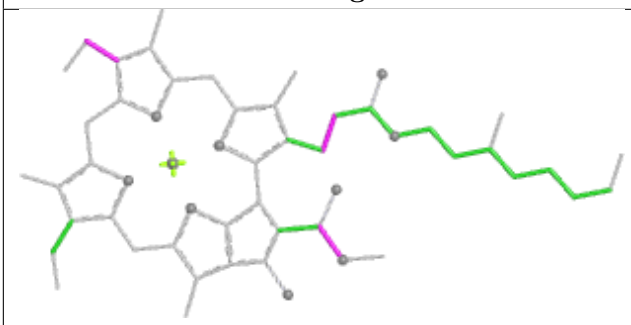
Ligand CLA bB 805



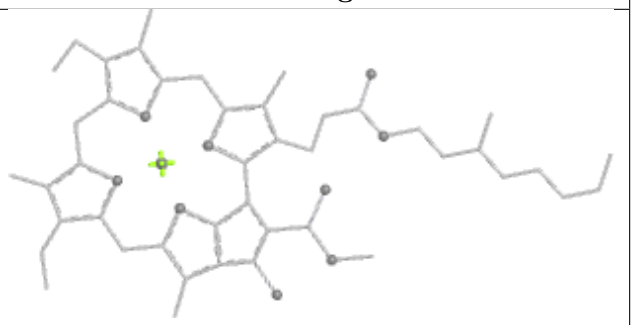
Bond lengths



Bond angles

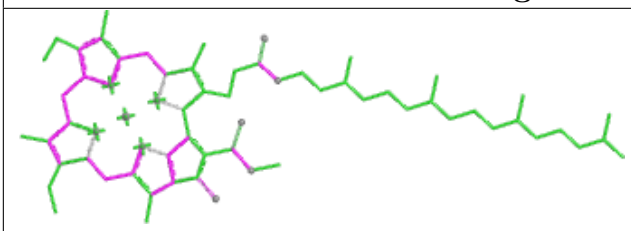


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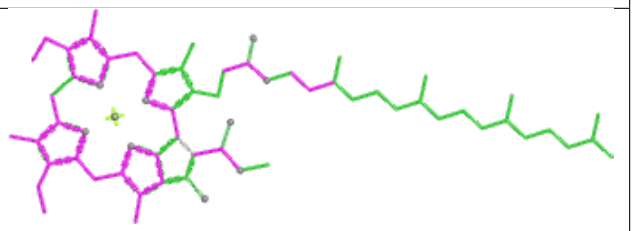


Rings

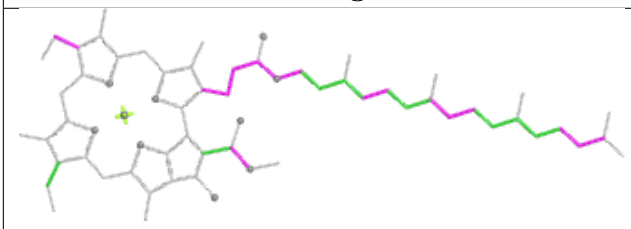
Ligand CLA dA 841



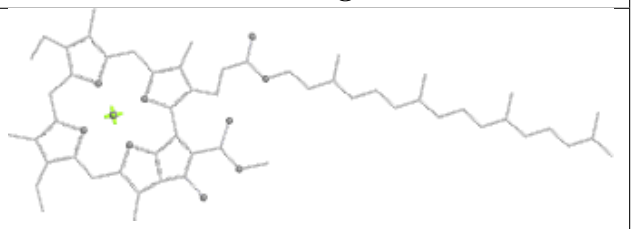
Bond lengths



Bond angles

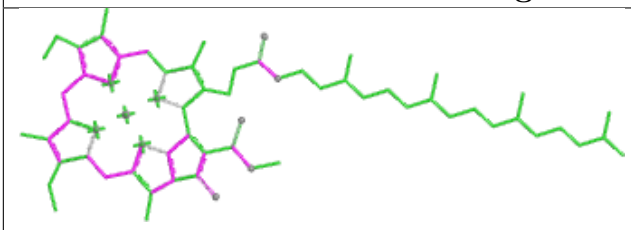


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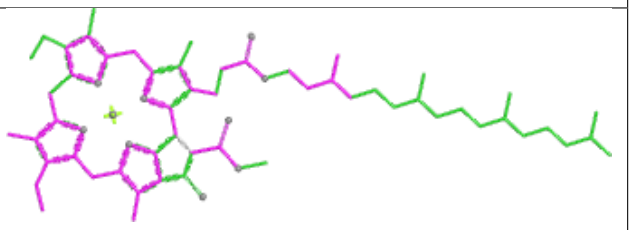


Rings

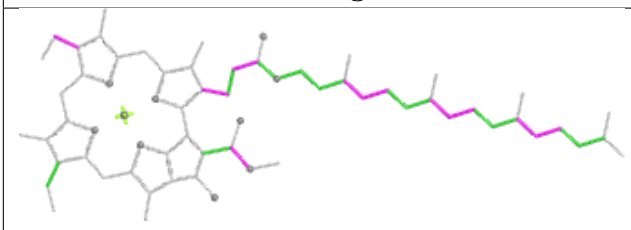
Ligand CLA aA 829



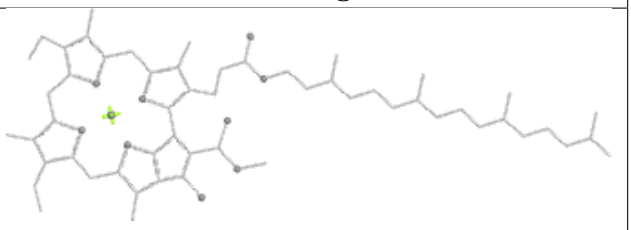
Bond lengths



Bond angles

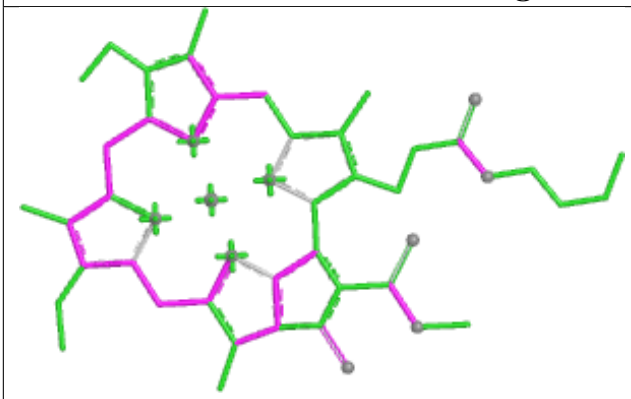


Torsions

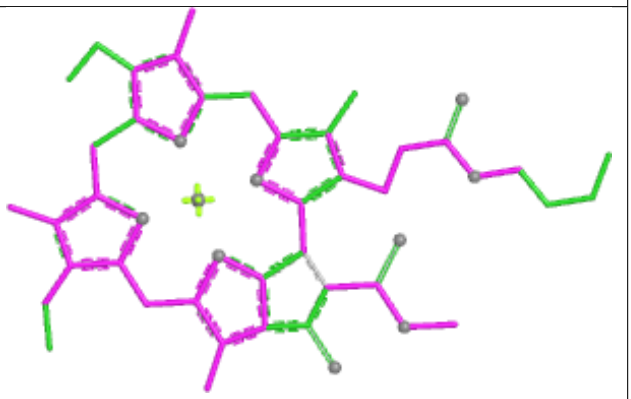


Rings

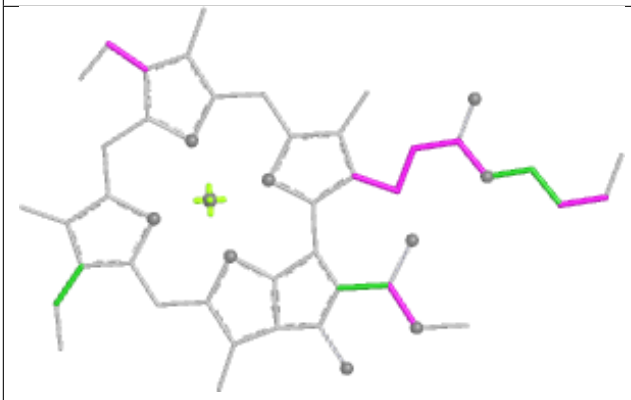
Ligand CLA dB 824



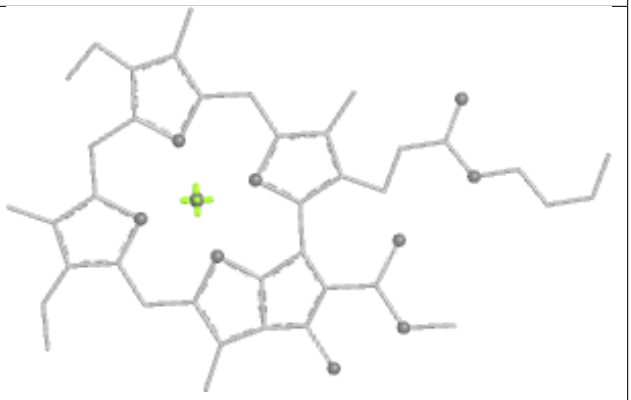
Bond lengths



Bond angles

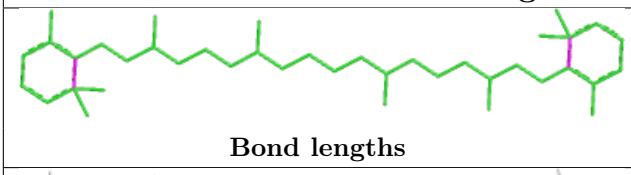


Torsions

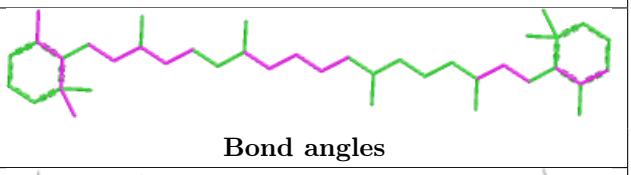


Rings

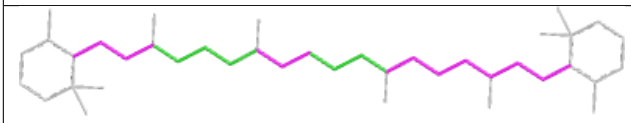
Ligand BCR bI 102



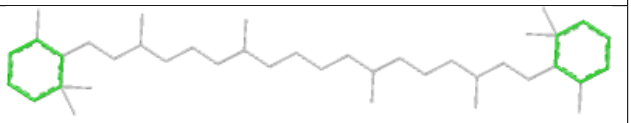
Bond lengths



Bond angles

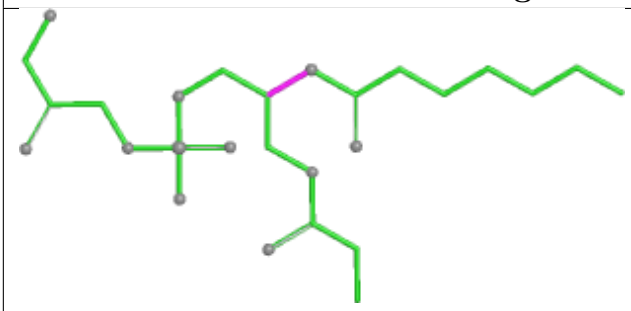


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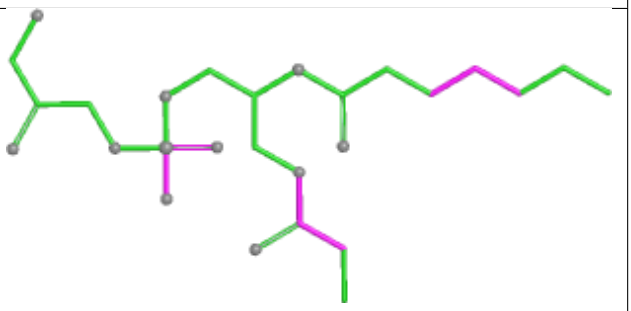


Rings

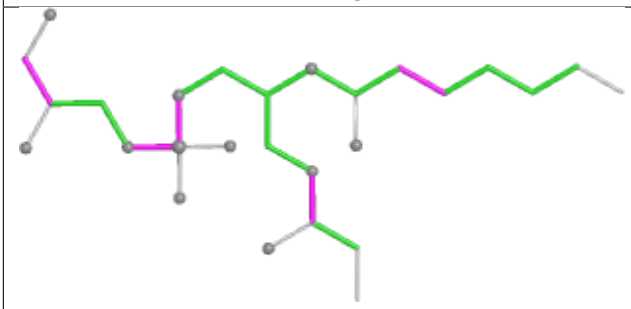
Ligand LHG cA 851



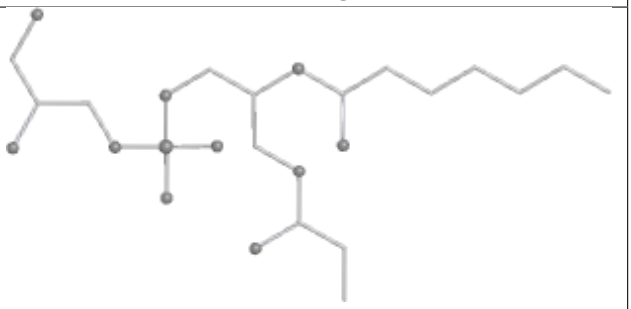
Bond lengths



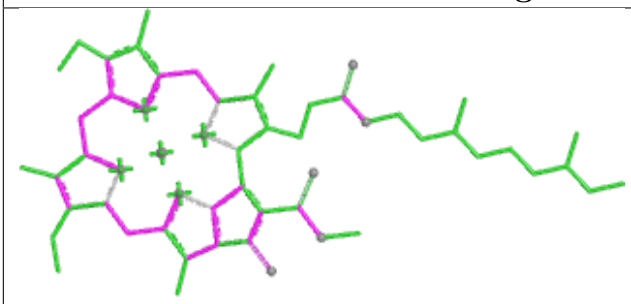
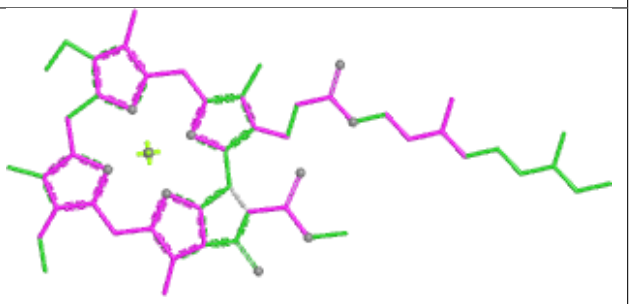
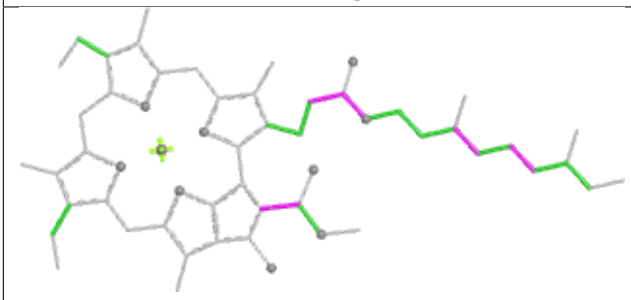
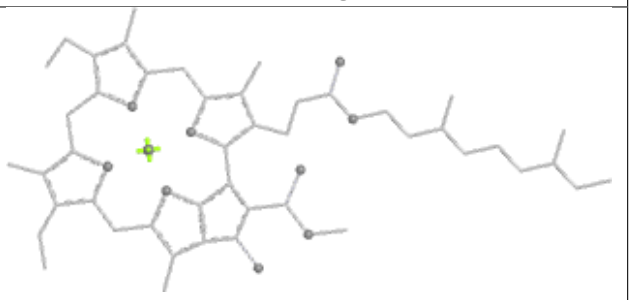
Bond angles

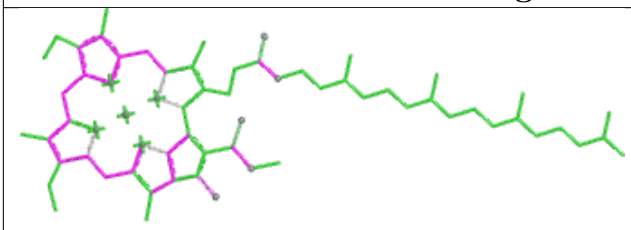
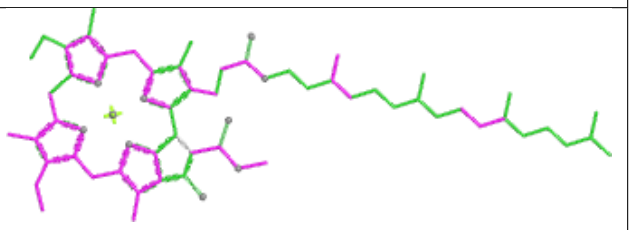
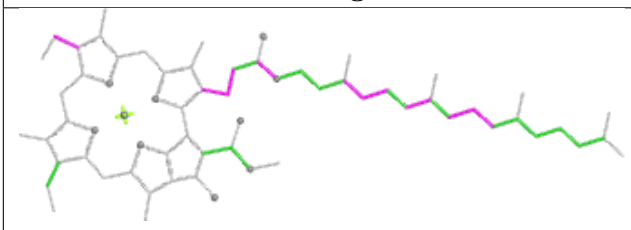
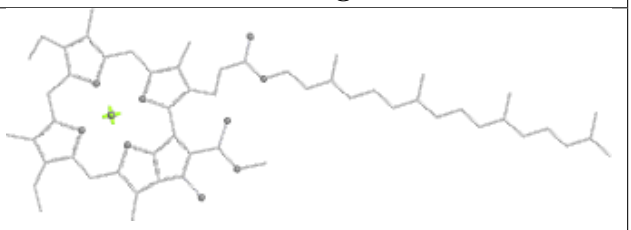


Torsions

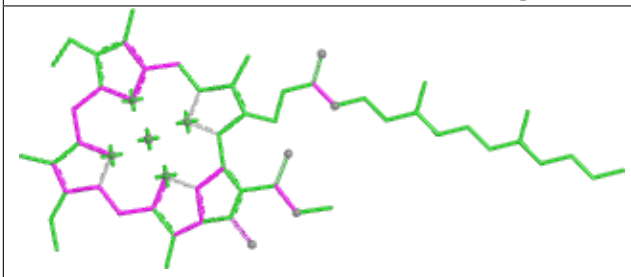


Rings

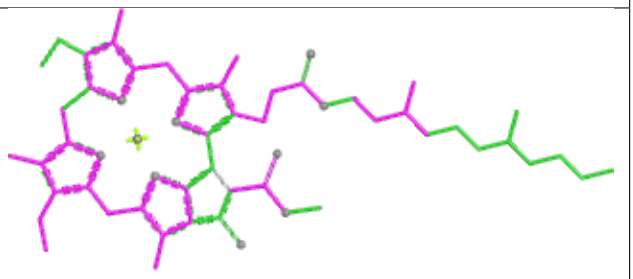
Ligand CLA aA 839	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA aA 812	
	
Bond lengths	Bond angles
	
Torsions	Rings

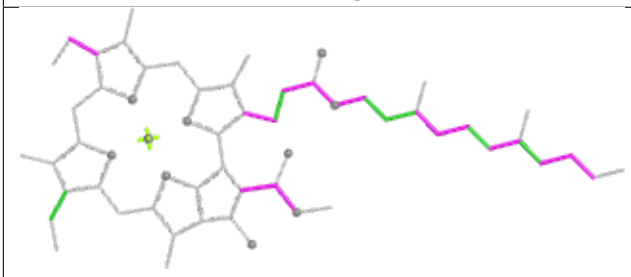
Ligand CLA bB 826



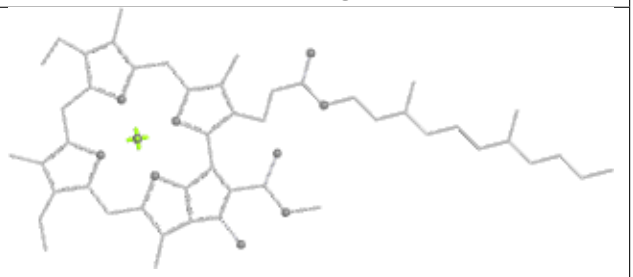
Bond lengths



Bond angles

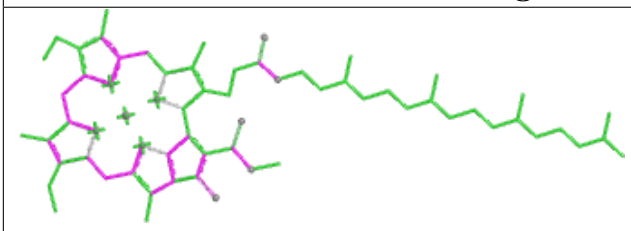


Torsions

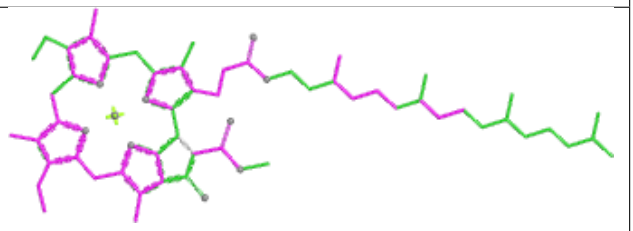


Rings

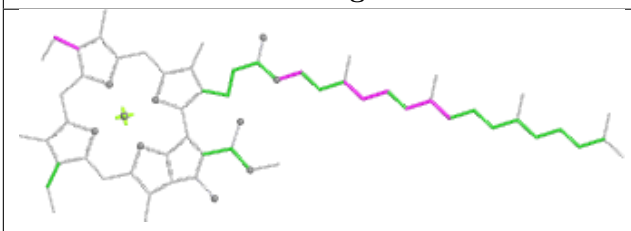
Ligand CLA dB 810



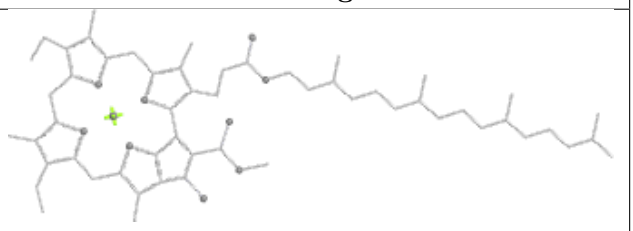
Bond lengths



Bond angles

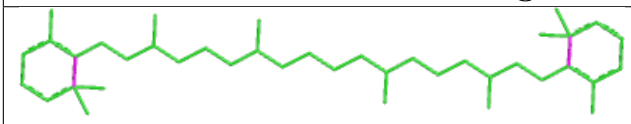


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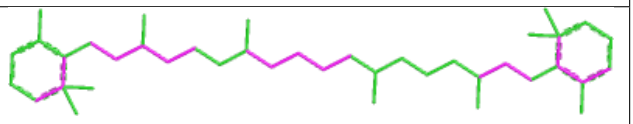


Rings

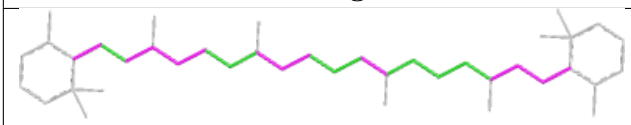
Ligand BCR cL 205



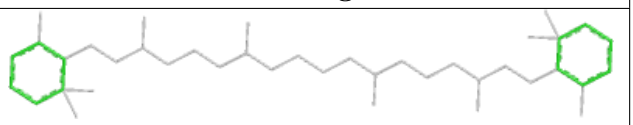
Bond lengths



Bond angles

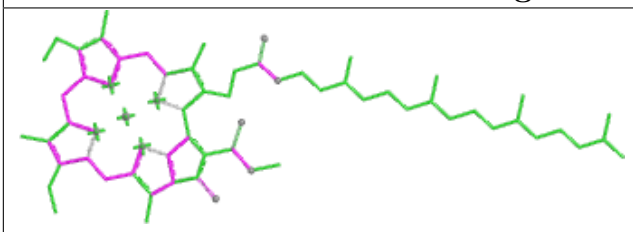


Torsions

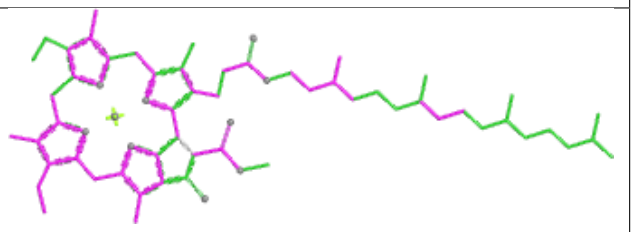


Rings

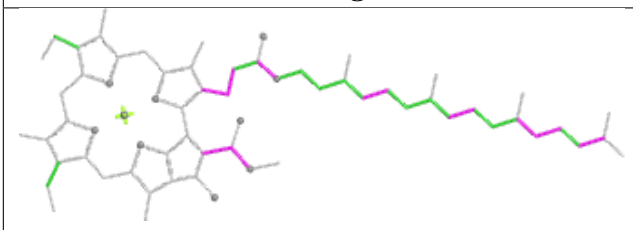
Ligand CLA bB 832



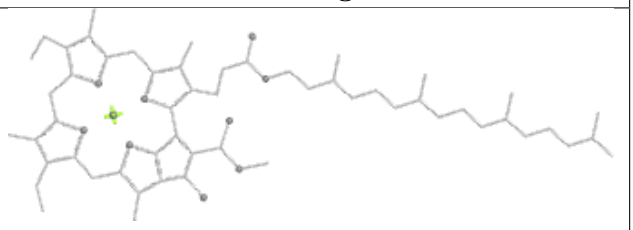
Bond lengths



Bond angles



Torsions

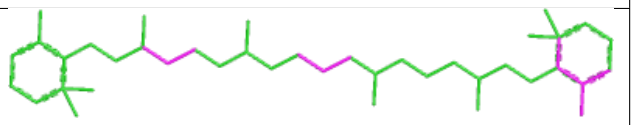


Rings

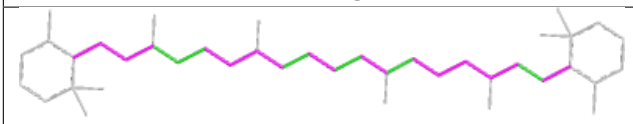
Ligand BCR dI 101



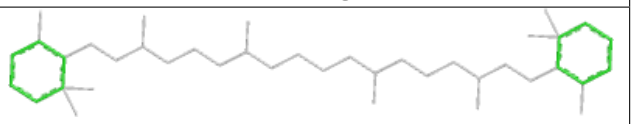
Bond lengths



Bond angles

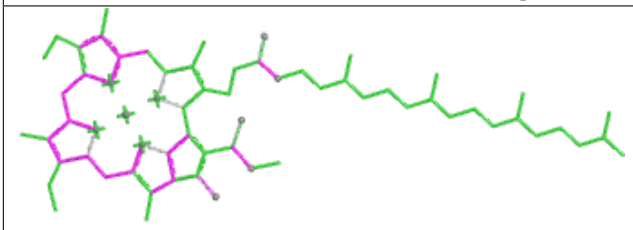


Torsions

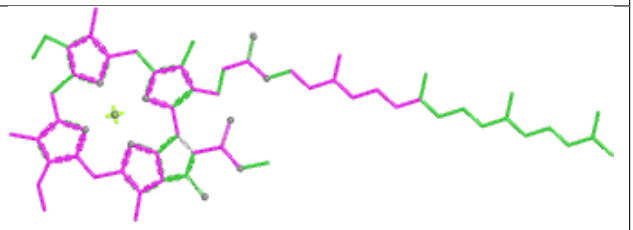


Rings

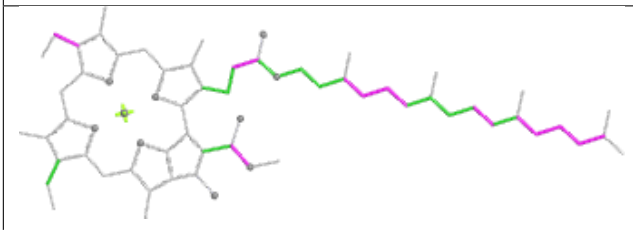
Ligand CLA bB 807



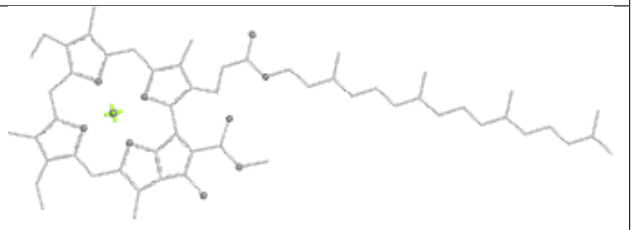
Bond lengths



Bond angles

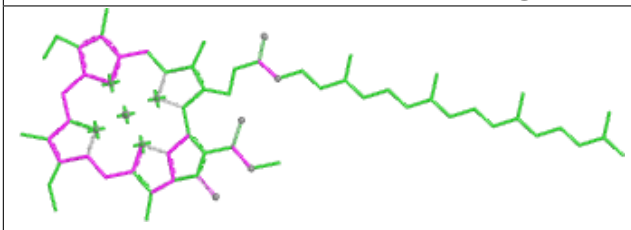


Torsions

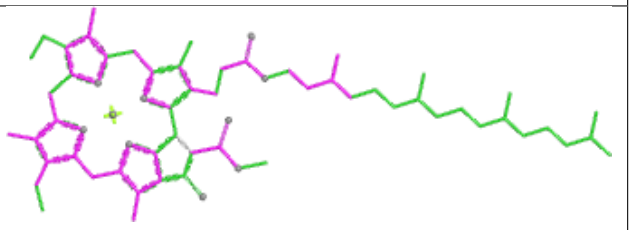


Rings

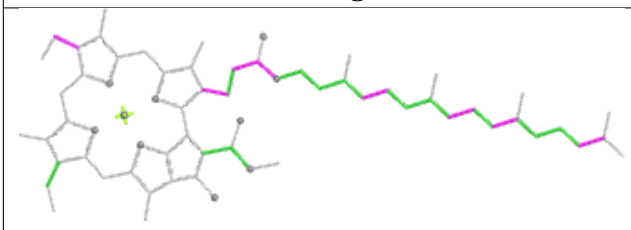
Ligand CLA aB 814



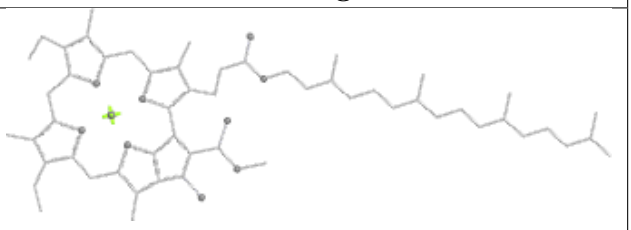
Bond lengths



Bond angles



Torsions

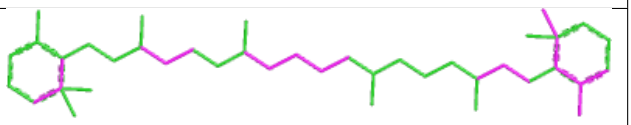


Rings

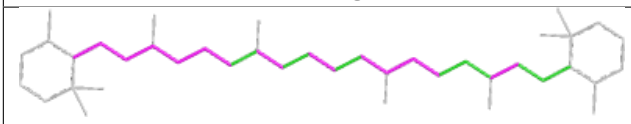
Ligand BCR aJ 102



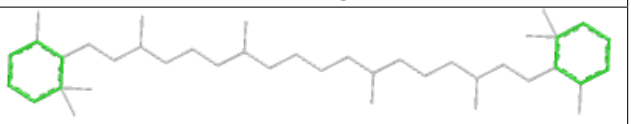
Bond lengths



Bond angles

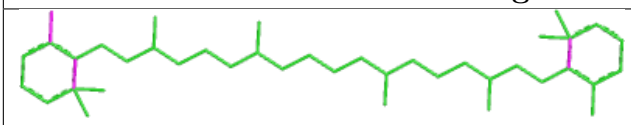


Torsions

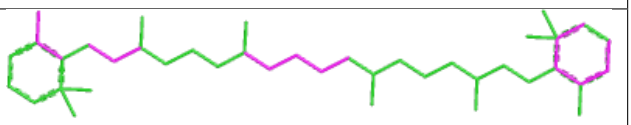


Rings

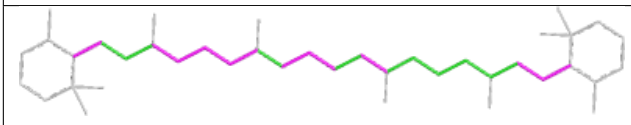
Ligand BCR dA 847



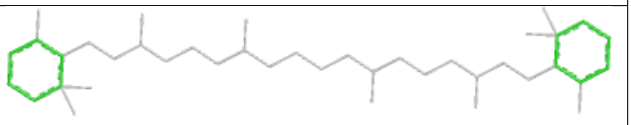
Bond lengths



Bond angles

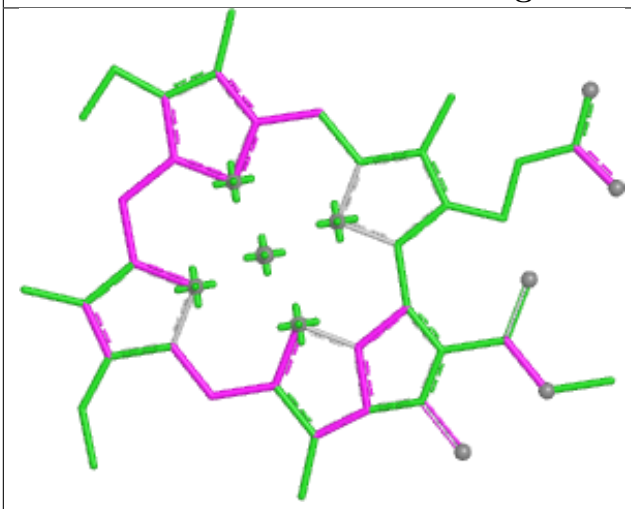


Torsions

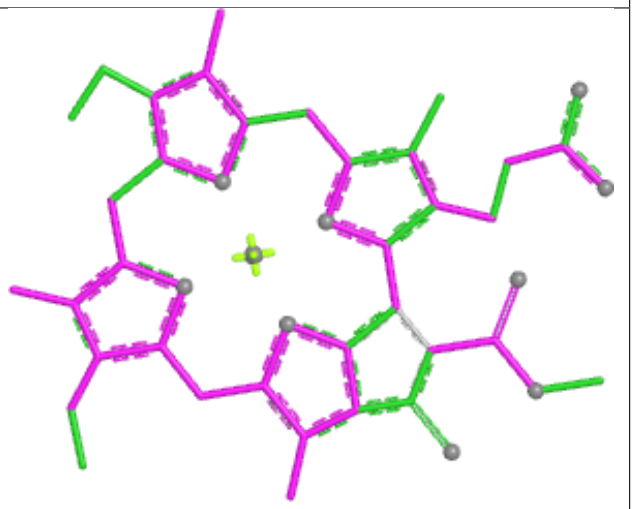


Rings

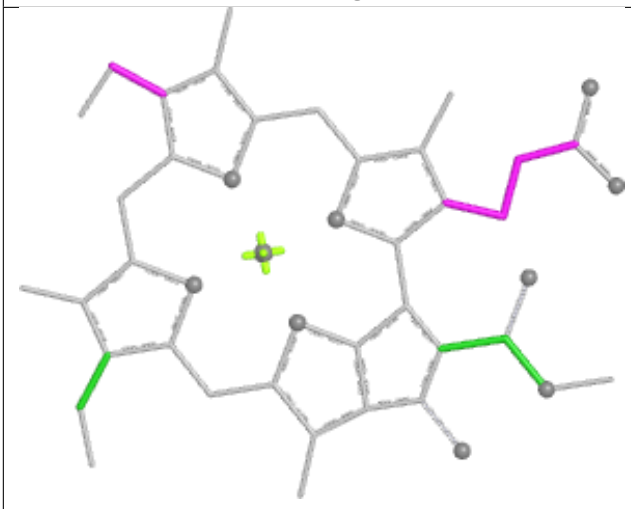
Ligand CLA aA 814



Bond lengths



Bond angles

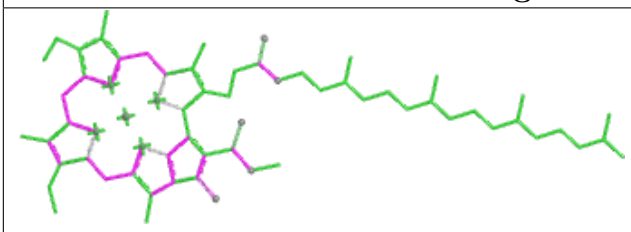


Torsions

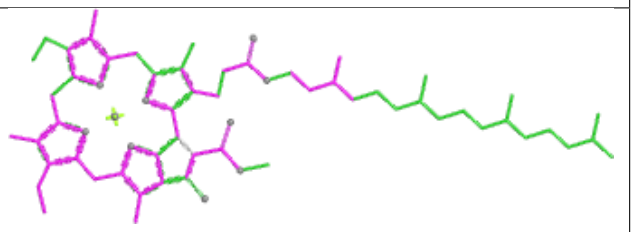


Rings

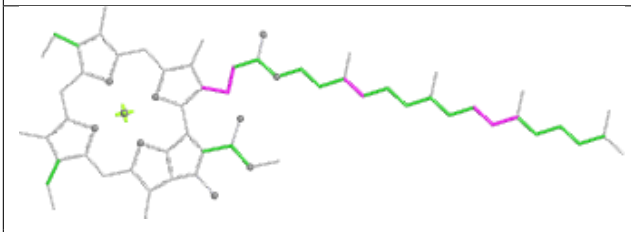
Ligand CLA dA 802



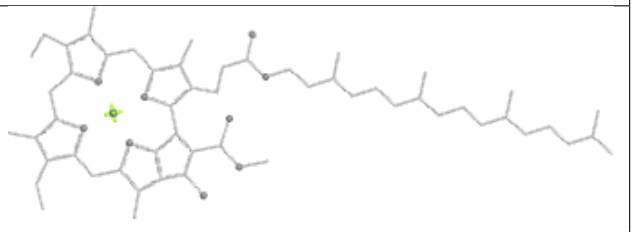
Bond lengths



Bond angles

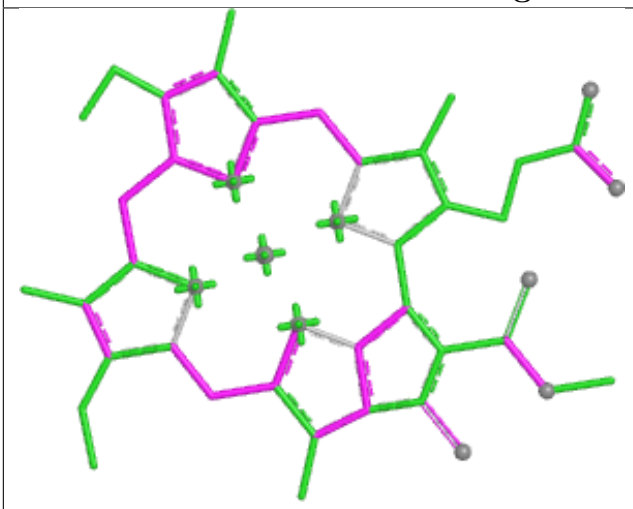


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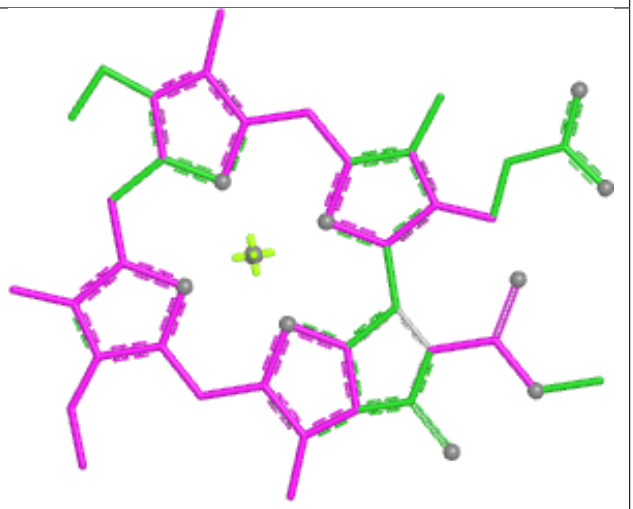


Rings

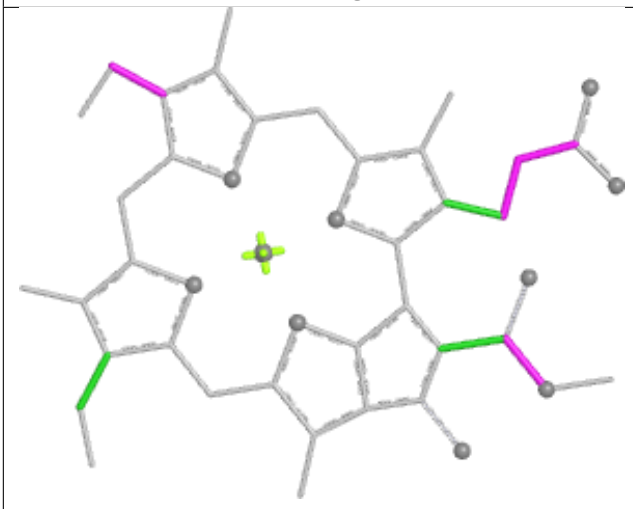
Ligand CLA bA 803



Bond lengths



Bond angles

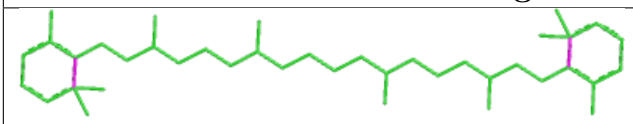


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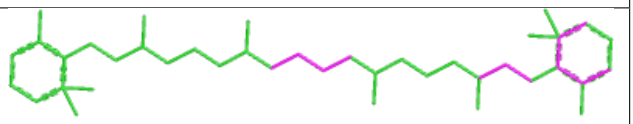


Rings

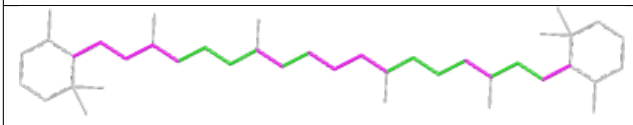
Ligand BCR aB 836



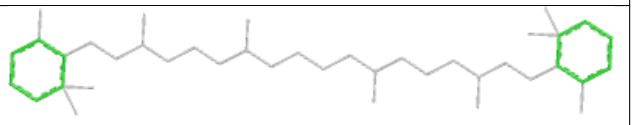
Bond lengths



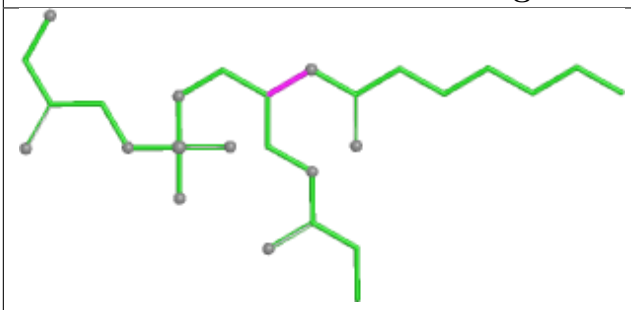
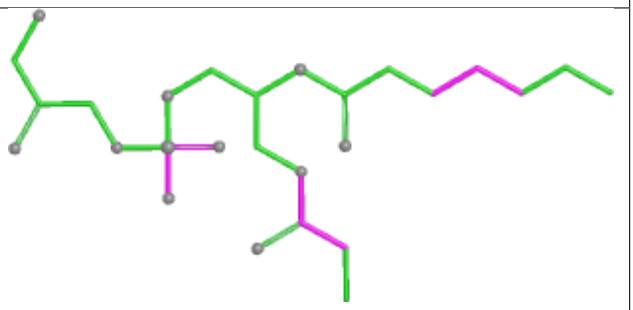
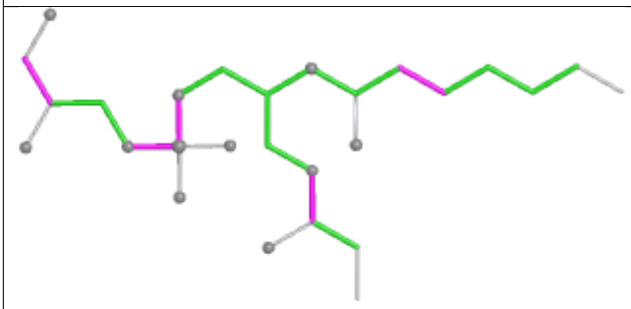
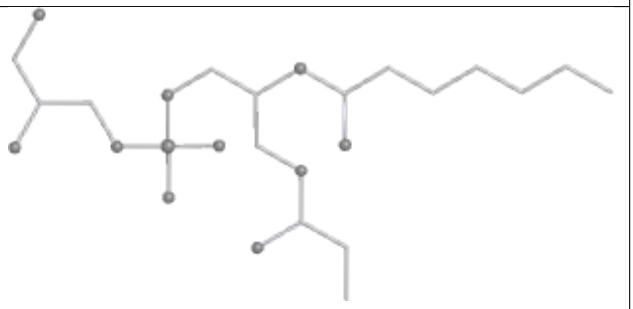
Bond angles

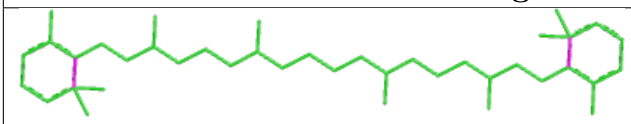
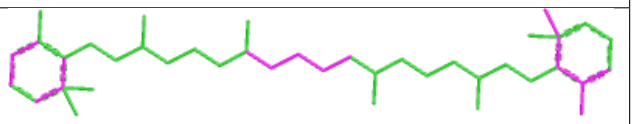
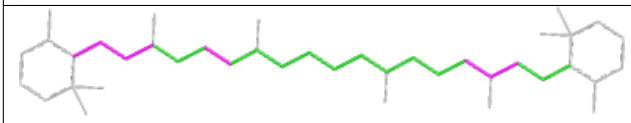
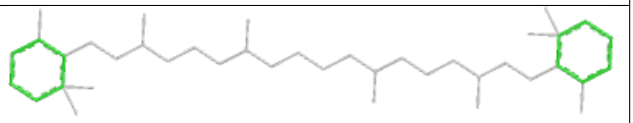


Torsions

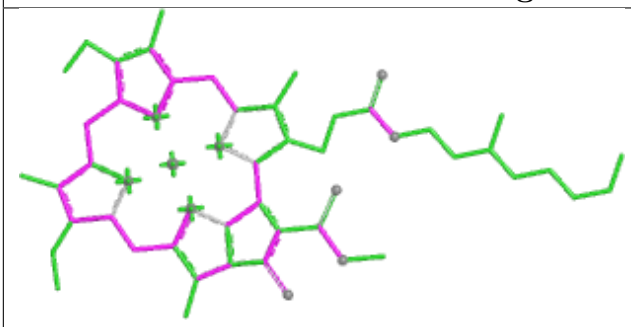


Rings

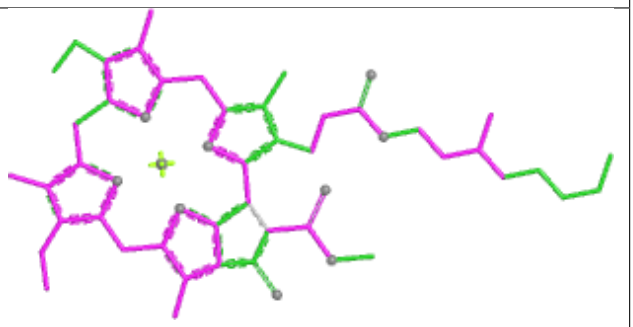
Ligand LHG aA 851	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR bA 848	
	
Bond lengths	Bond angles
	
Torsions	Rings

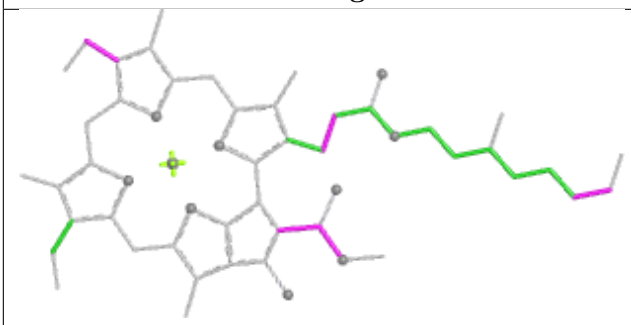
Ligand CLA cB 806



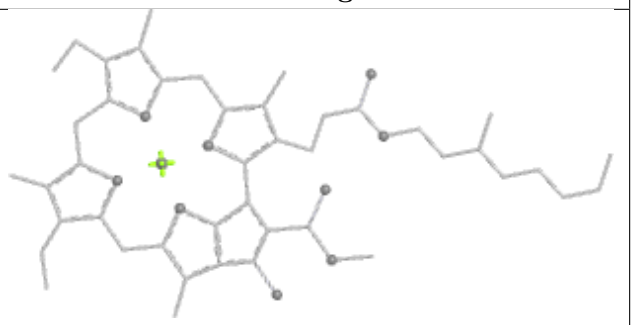
Bond lengths



Bond angles

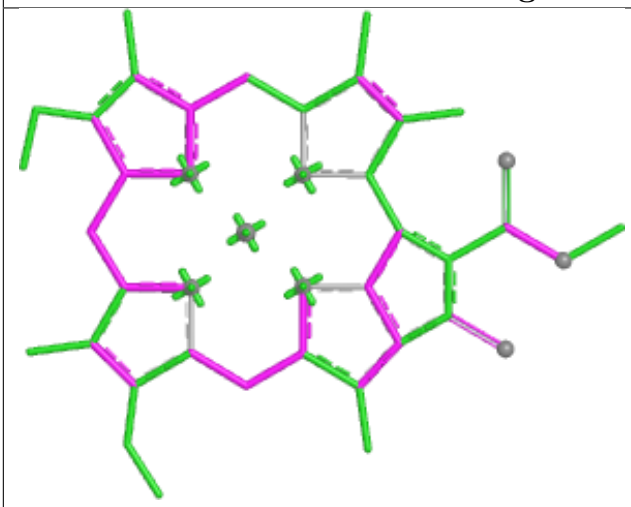


Torsions

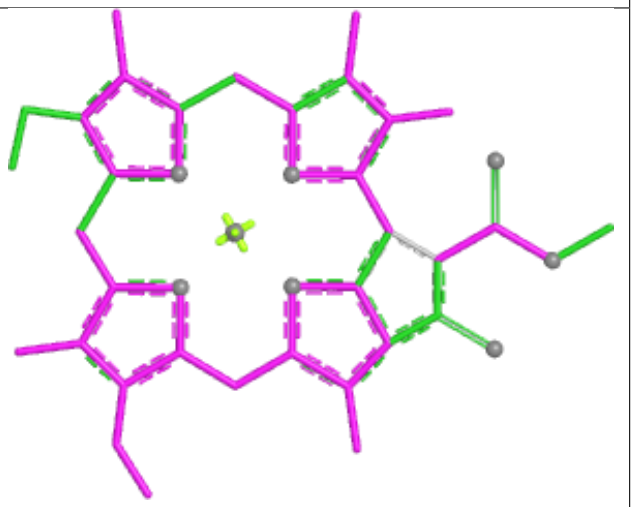


Rings

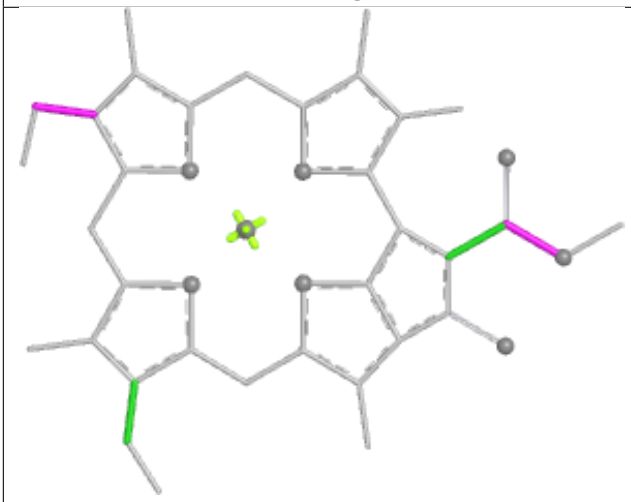
Ligand CLA cL 204



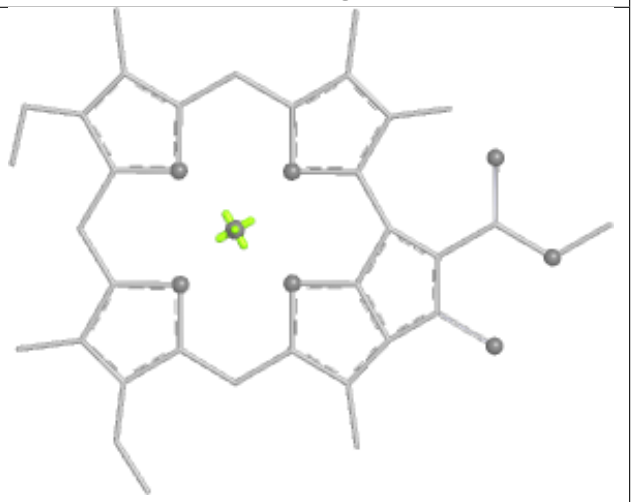
Bond lengths



Bond angles

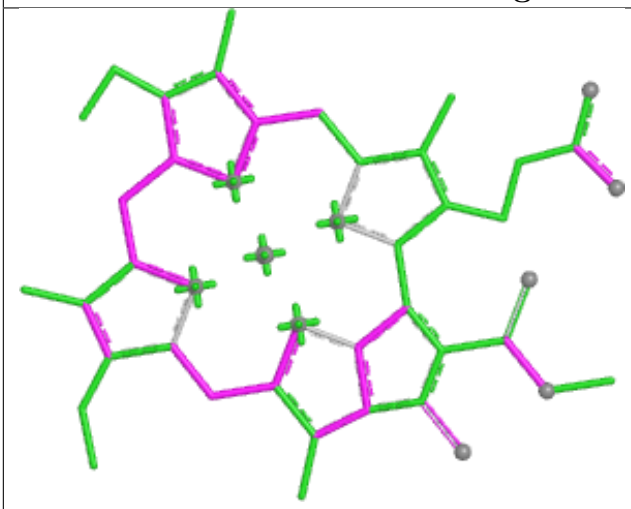


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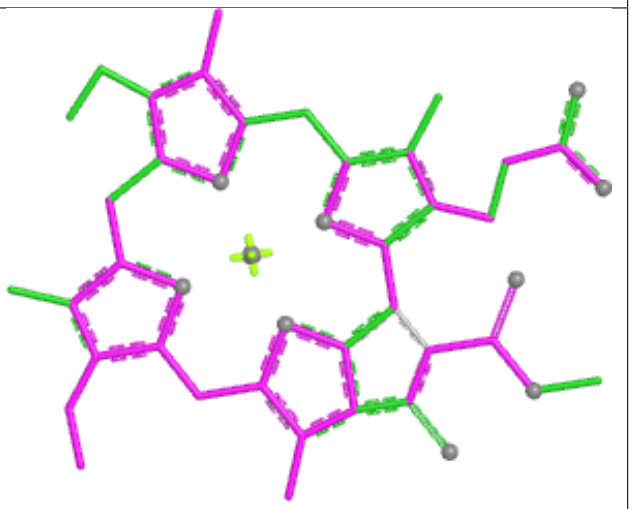


Rings

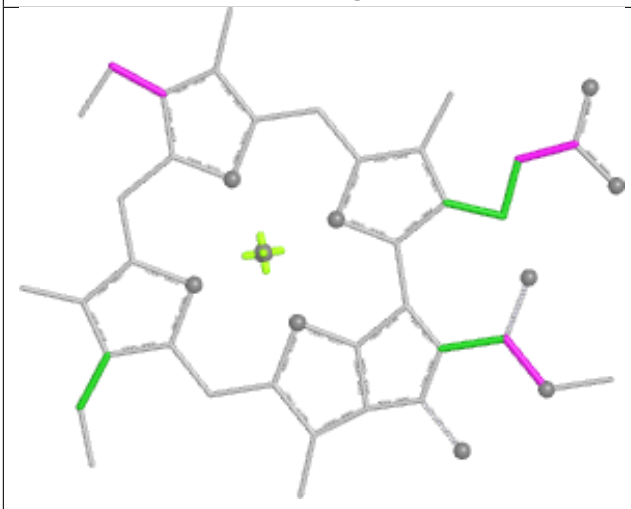
Ligand CLA dA 811



Bond lengths



Bond angles

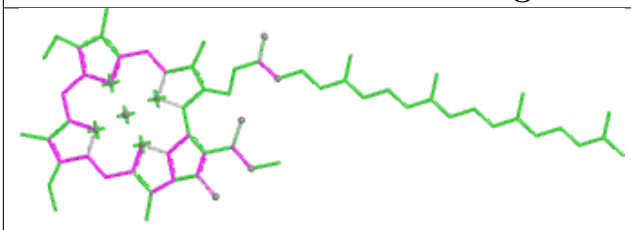


Torsions

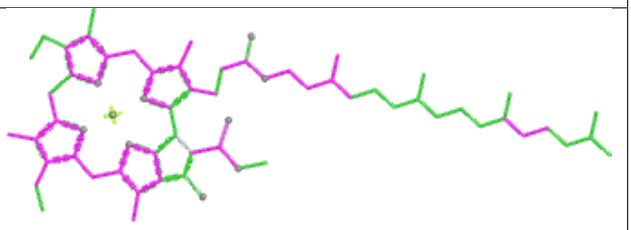


Rings

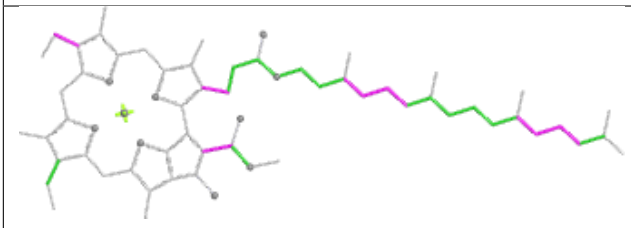
Ligand CLA dA 831



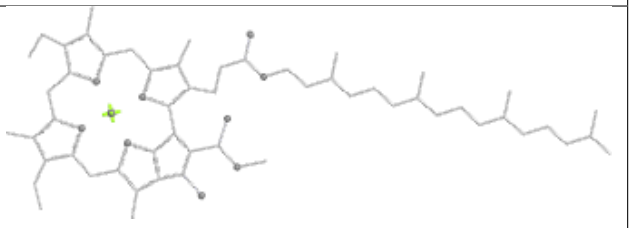
Bond lengths



Bond angles

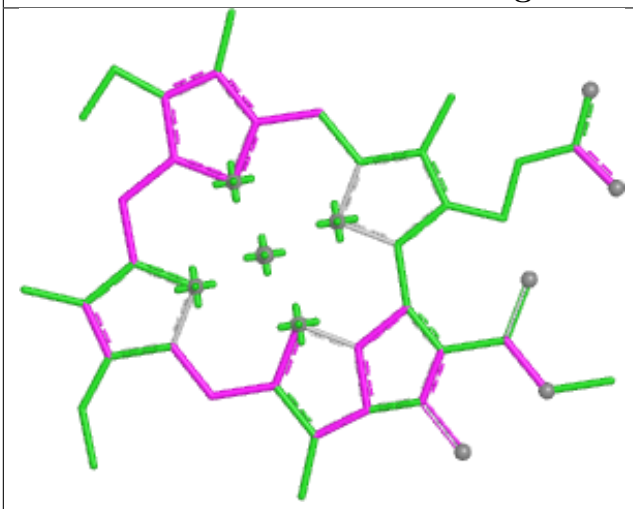


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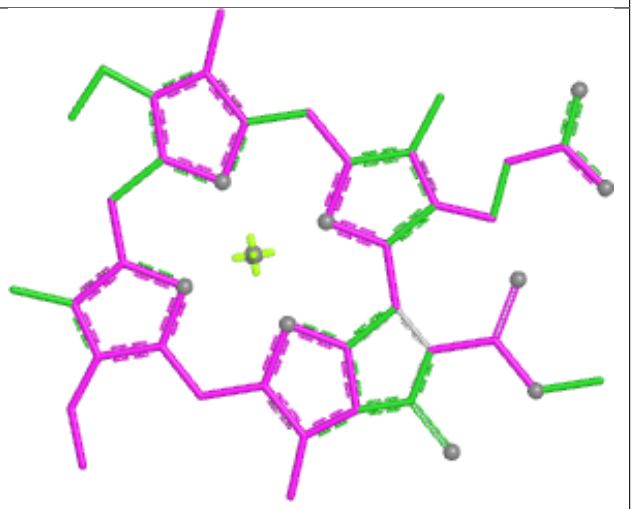


Rings

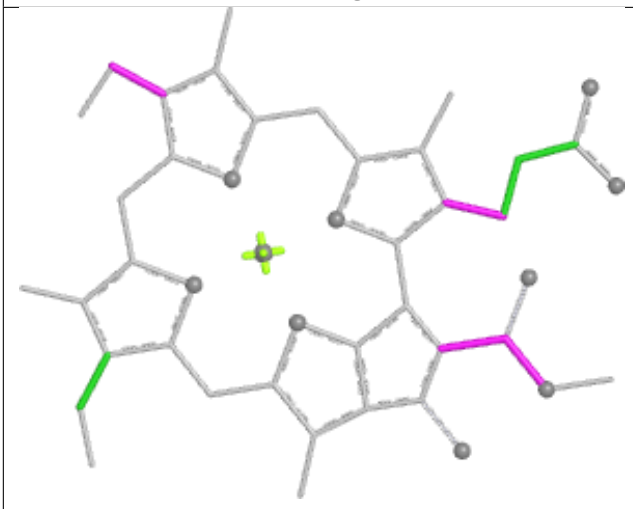
Ligand CLA aK 203



Bond lengths



Bond angles

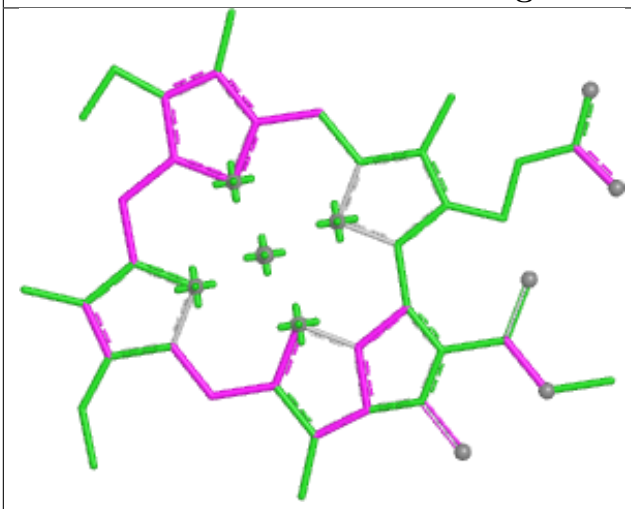


Torsions

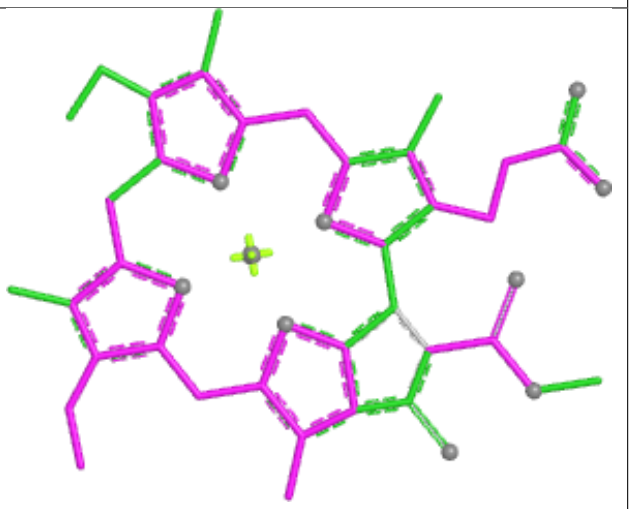


Rings

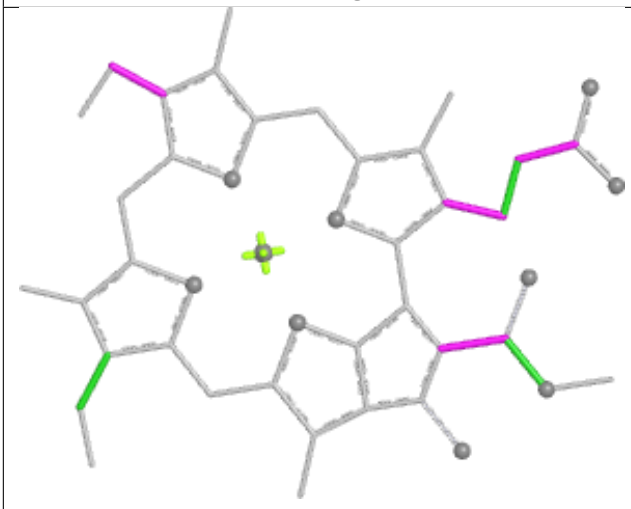
Ligand CLA cA 816



Bond lengths



Bond angles

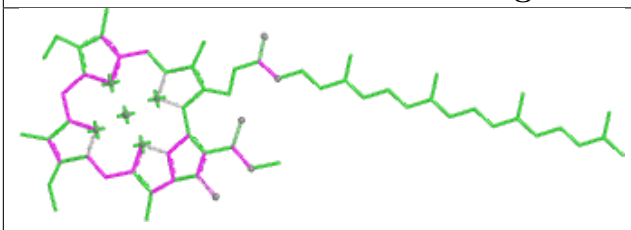


Torsions

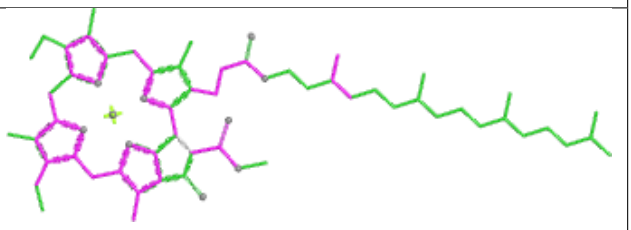


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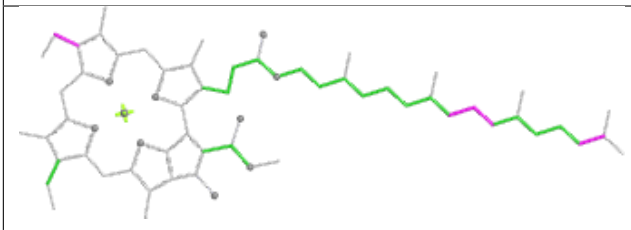
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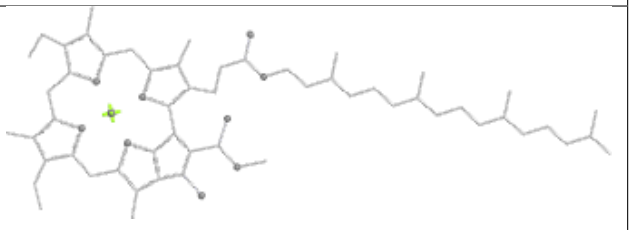
Bond lengths



Bond angles

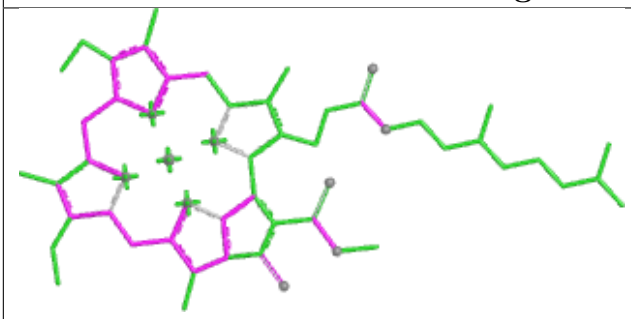


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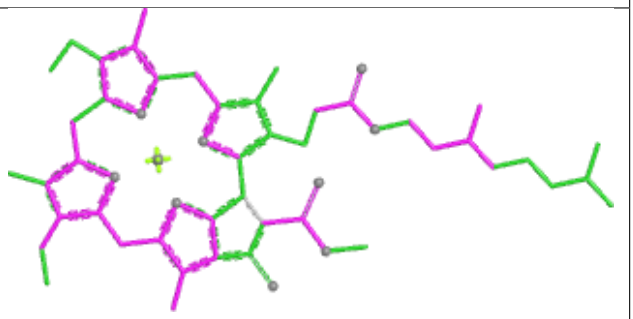


Rings

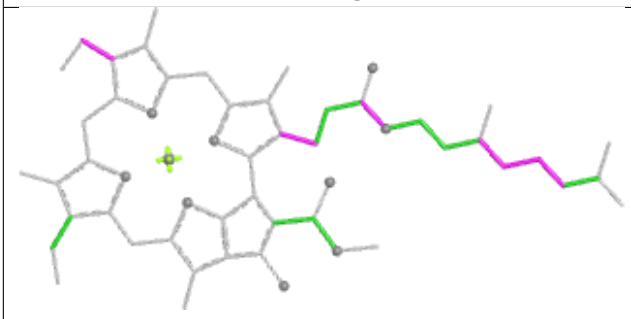
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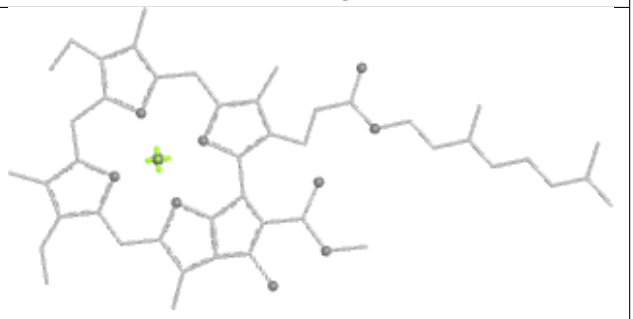
Bond lengths



Bond angles

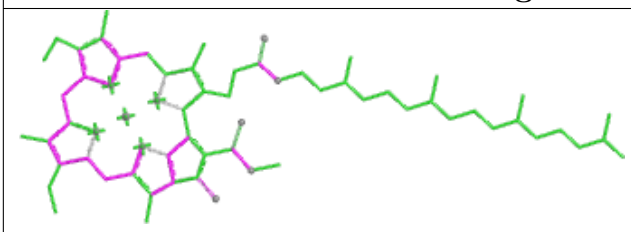


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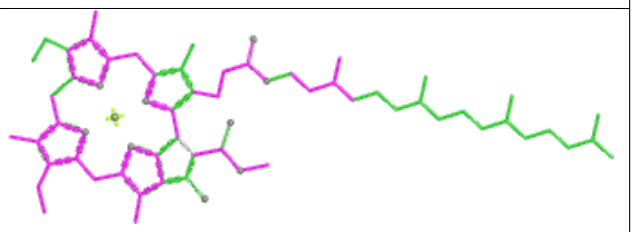


Rings

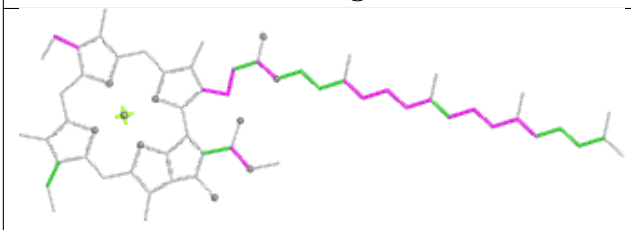
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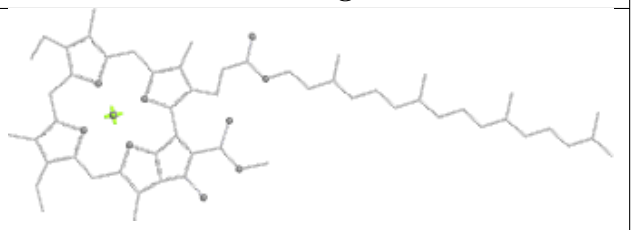
Bond lengths



Bond angles

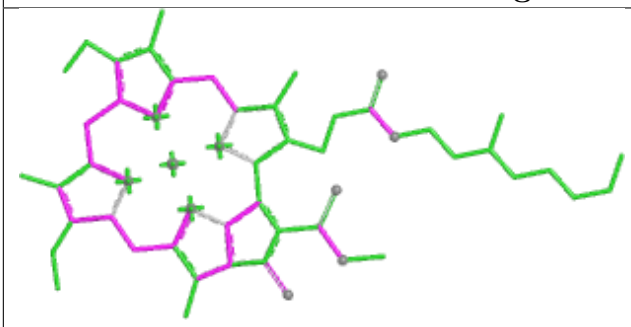


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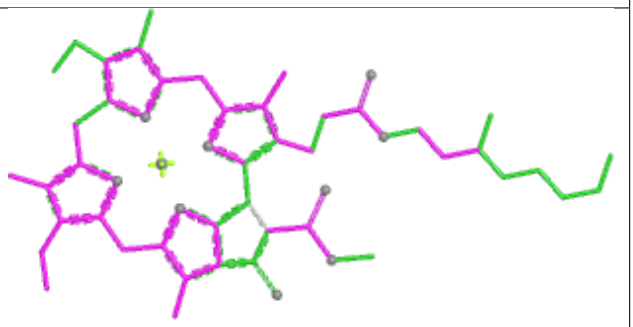


Rings

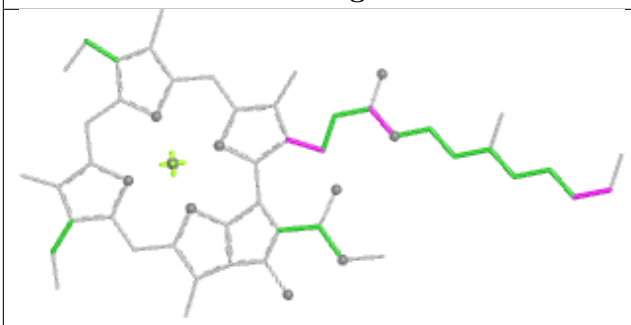
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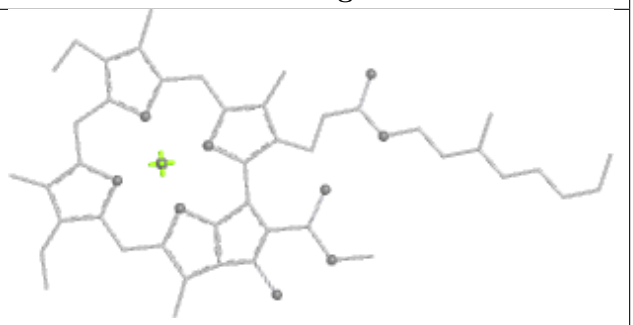
Bond lengths



Bond angles

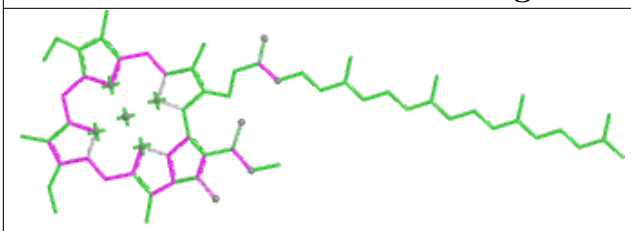


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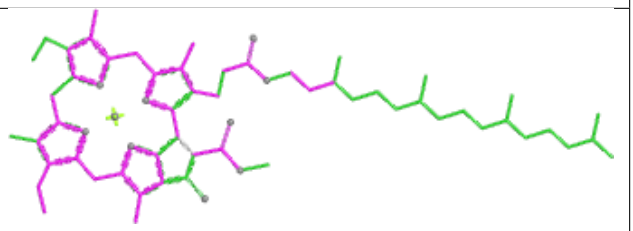


Rings

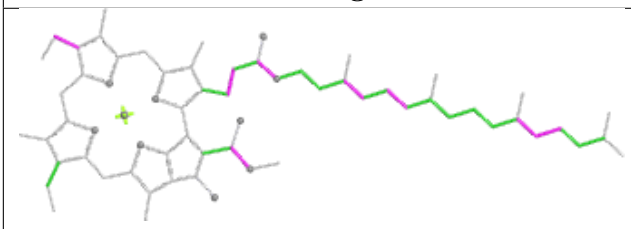
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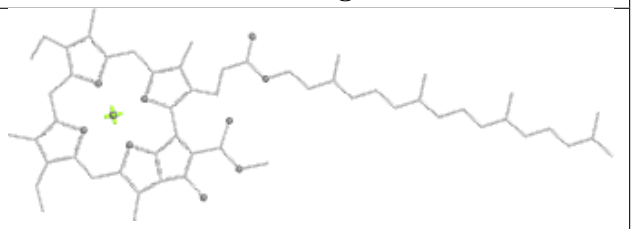
Bond lengths



Bond angles

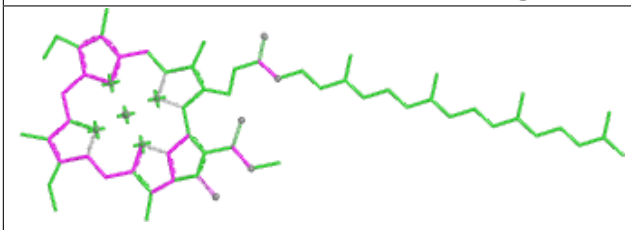


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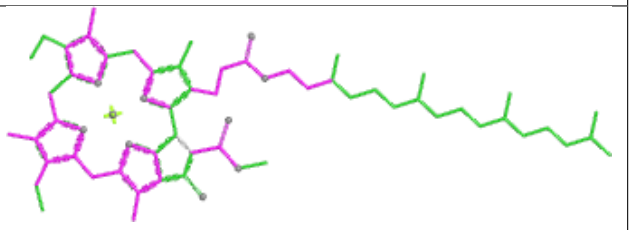


Rings

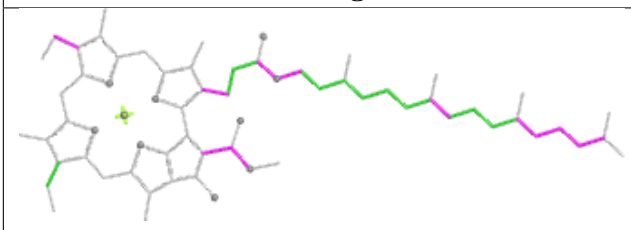
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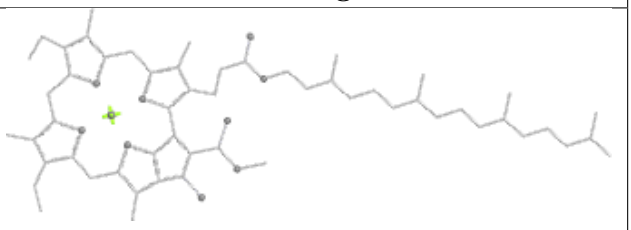
Bond lengths



Bond angles

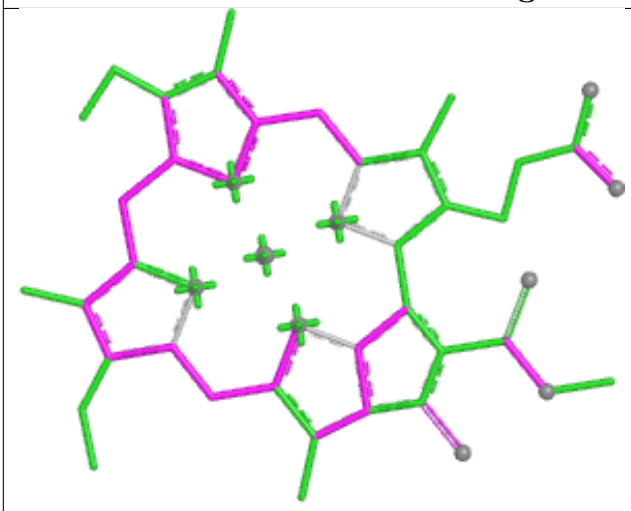


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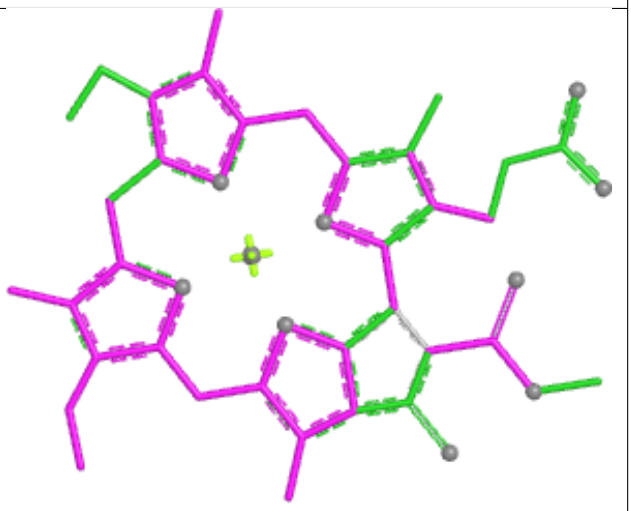


Rings

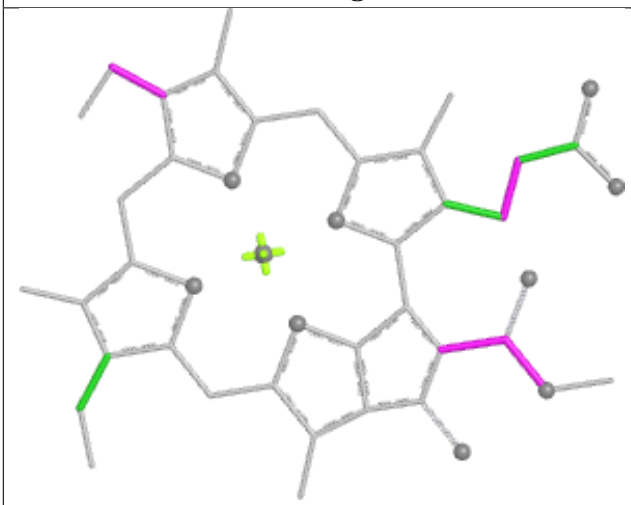
Ligand CLA dJ 101



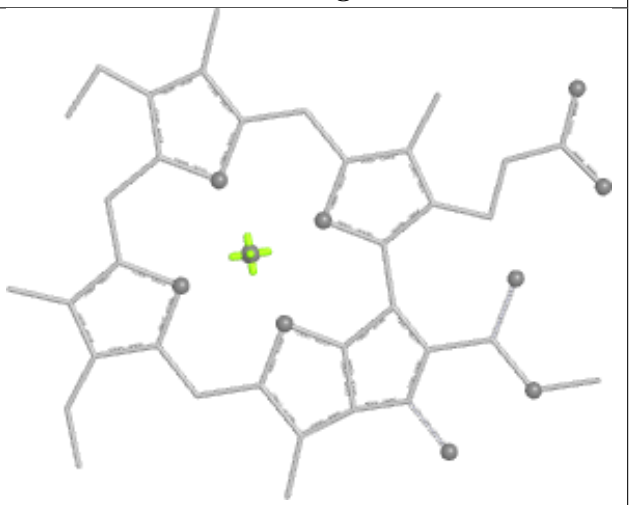
Bond lengths



Bond angles

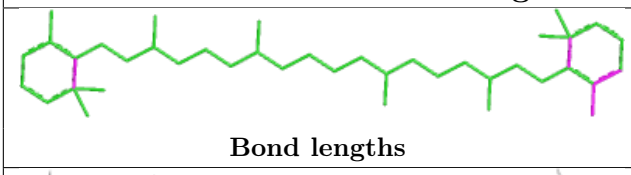


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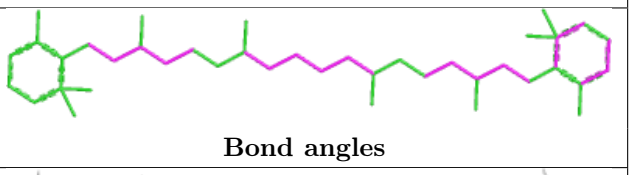


Rings

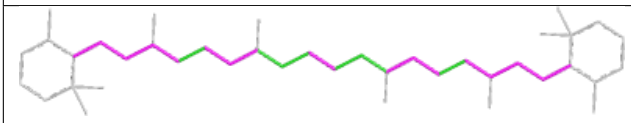
Ligand BCR bA 850



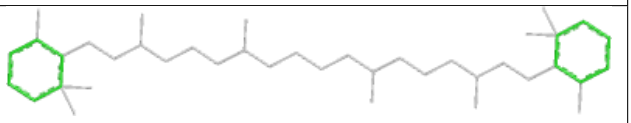
Bond lengths



Bond angles

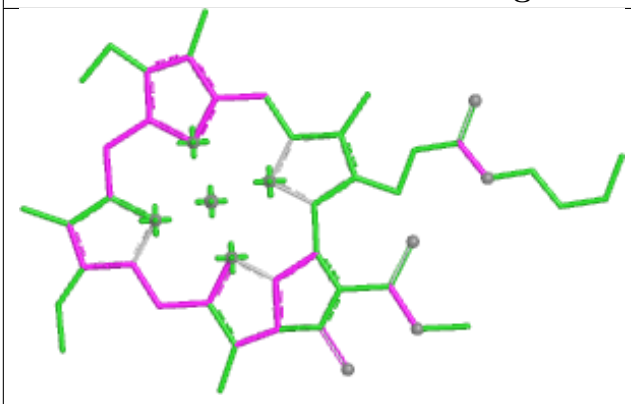


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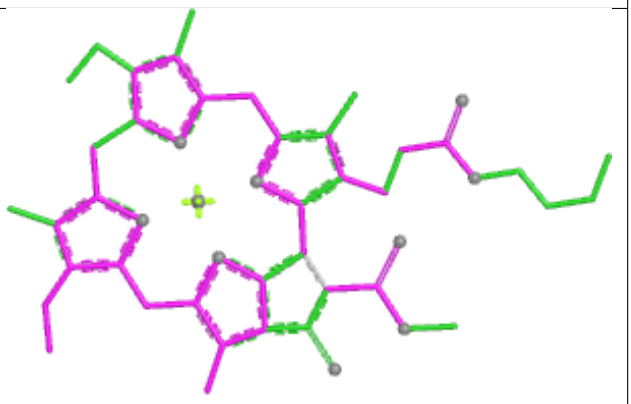


Rings

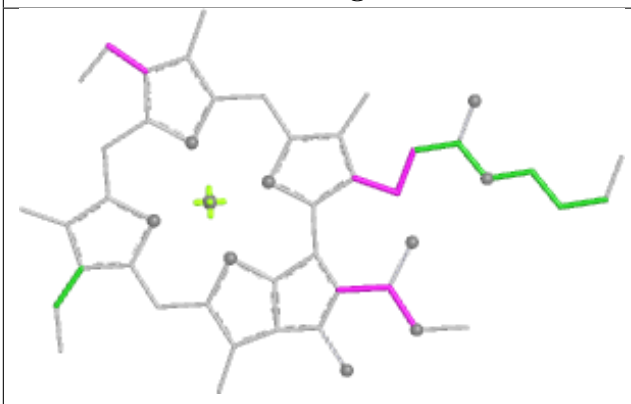
Ligand CLA bA 817



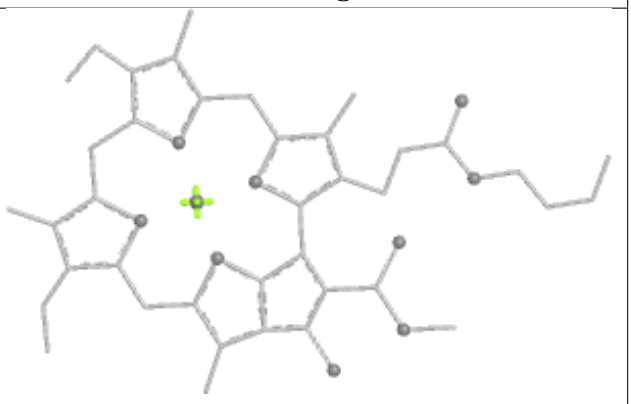
Bond lengths



Bond angles

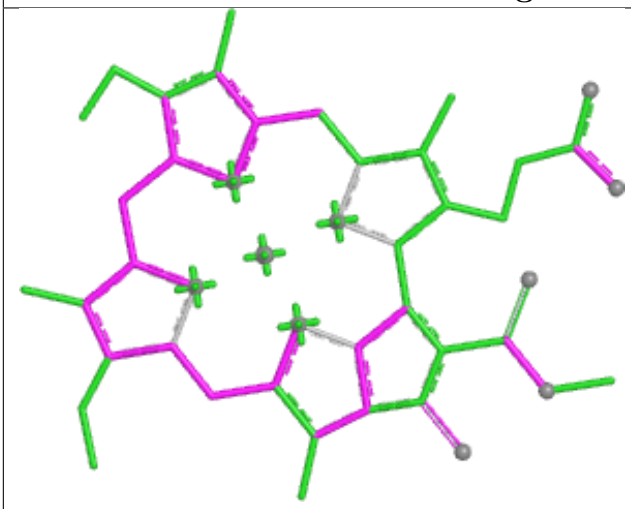


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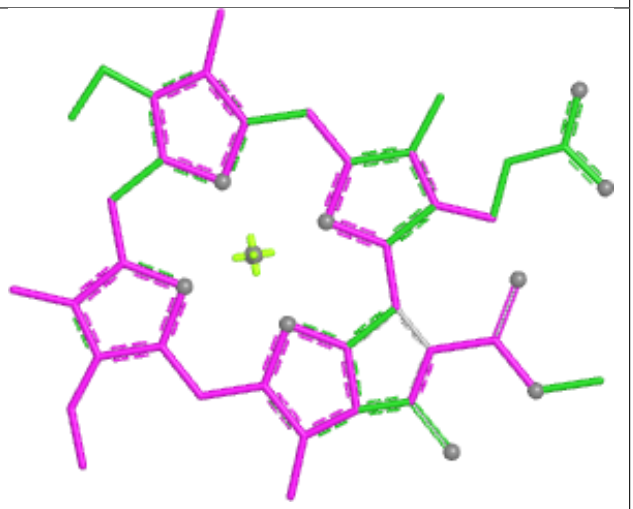


Rings

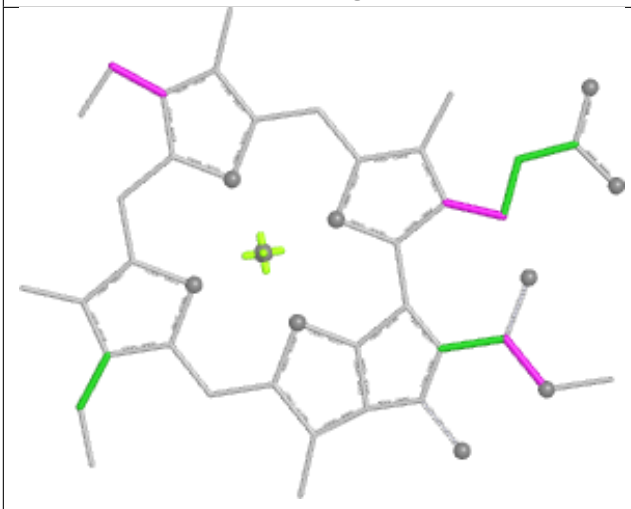
Ligand CLA cA 811



Bond lengths



Bond angles

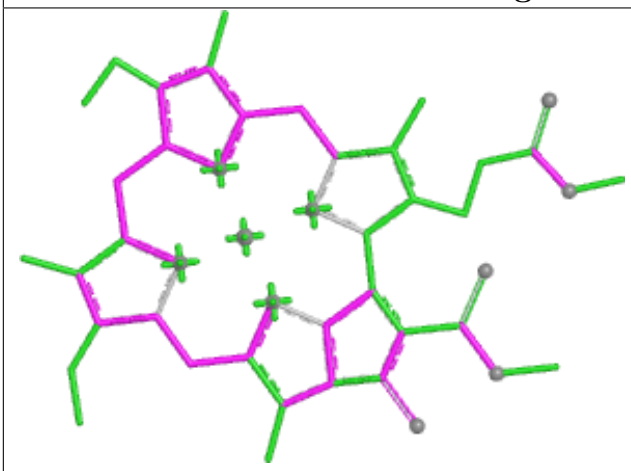


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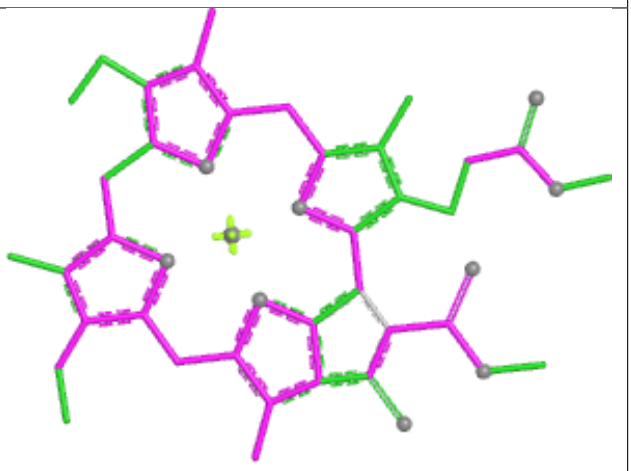


Rings

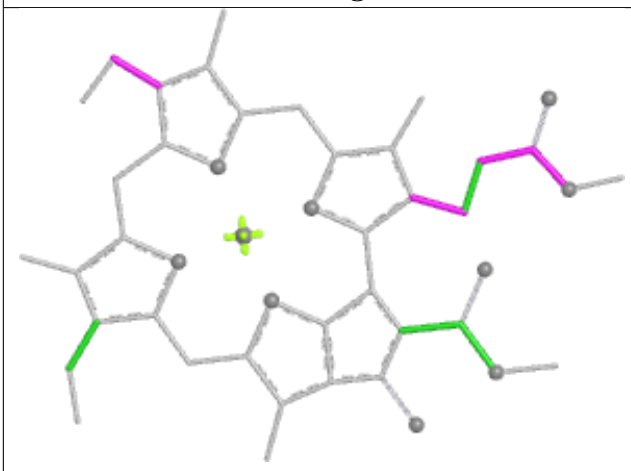
Ligand CLA aK 204



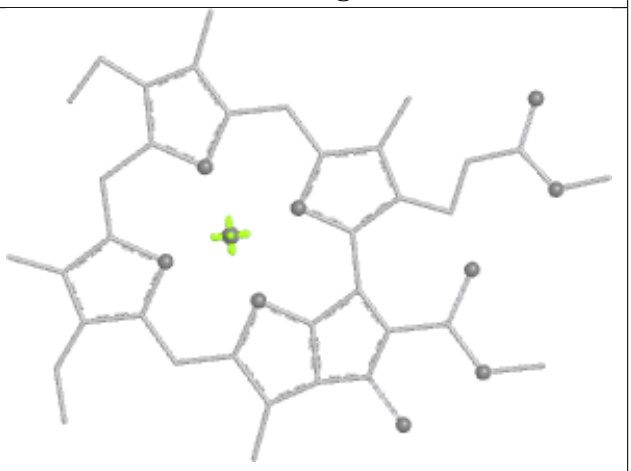
Bond lengths



Bond angles

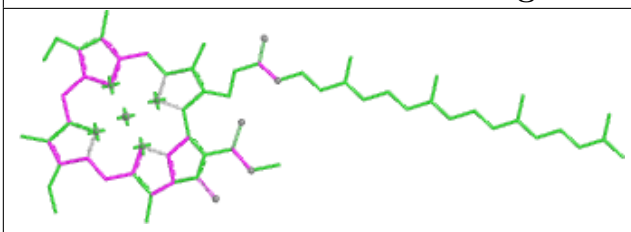


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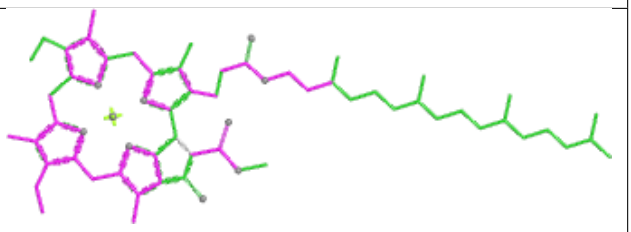


Rings

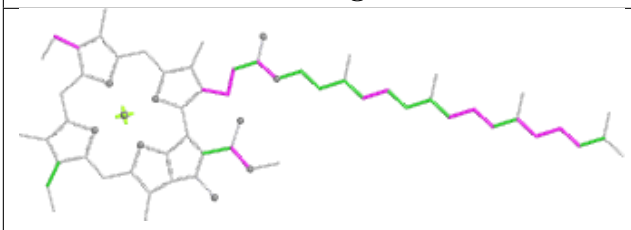
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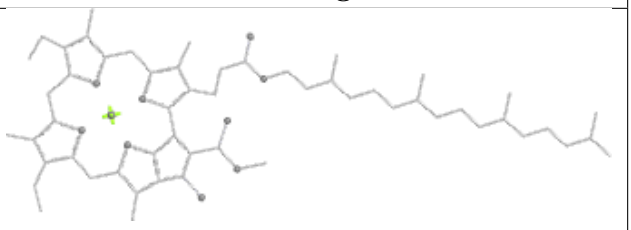
Bond lengths



Bond angles

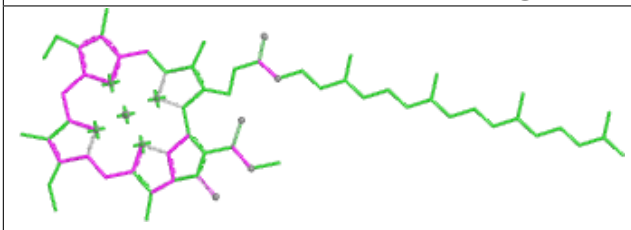


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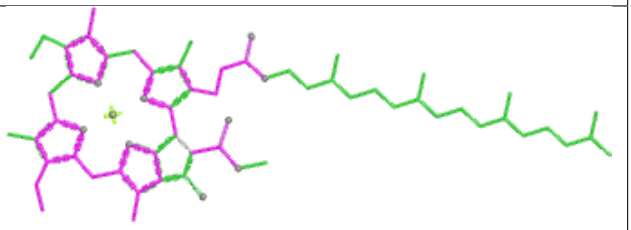


Rings

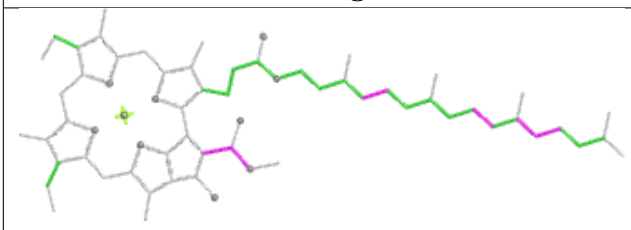
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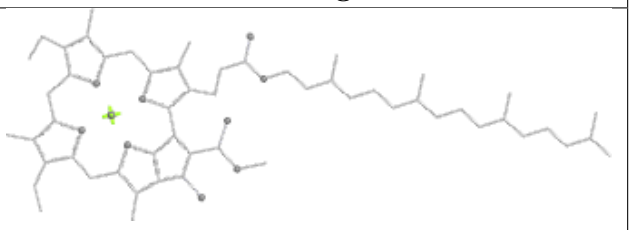
Bond lengths



Bond angles

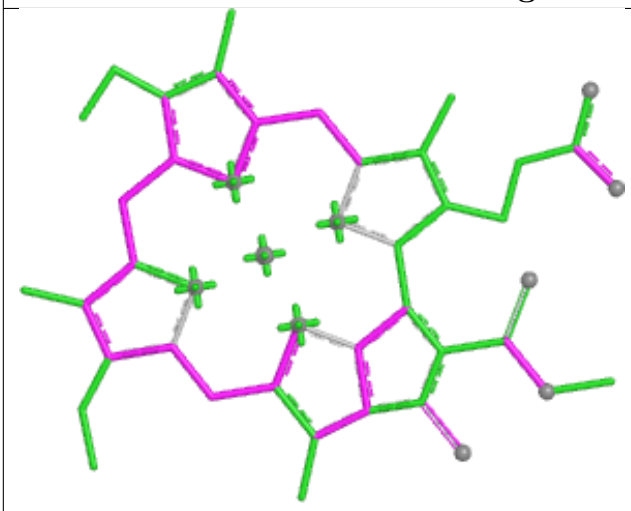


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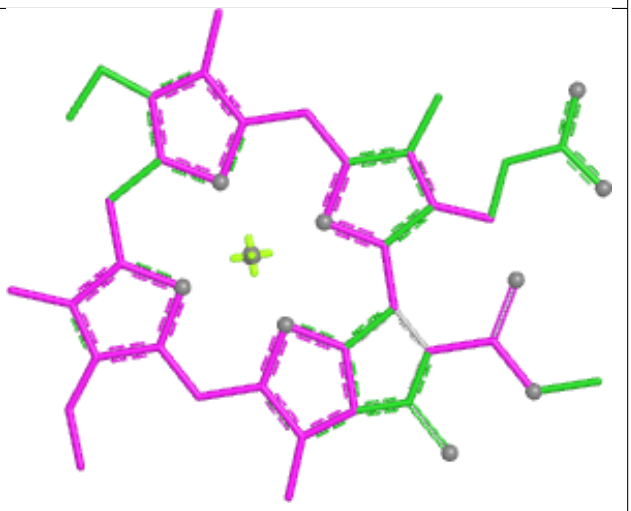


Rings

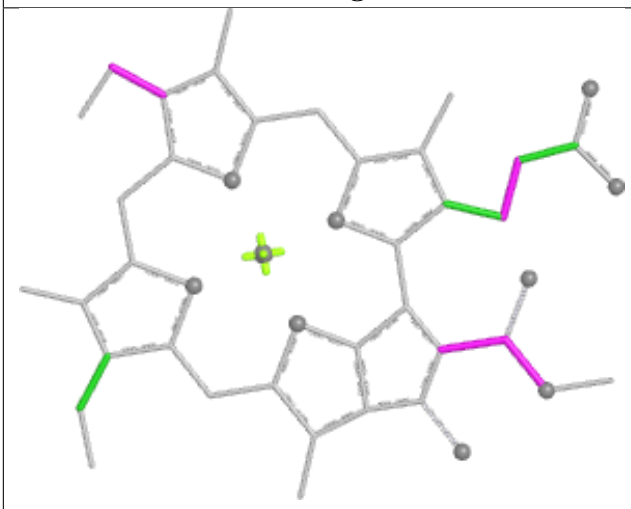
Ligand CLA bJ 101



Bond lengths



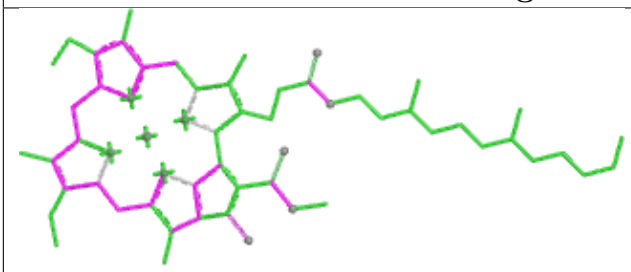
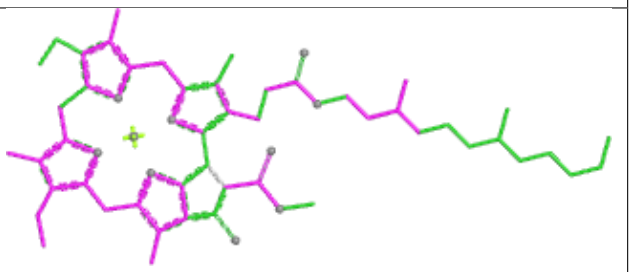
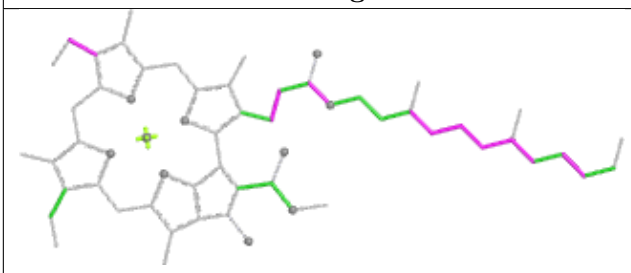
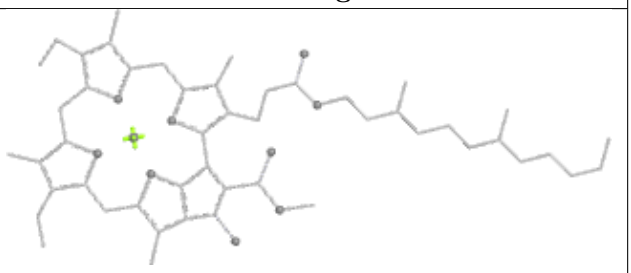
Bond angles

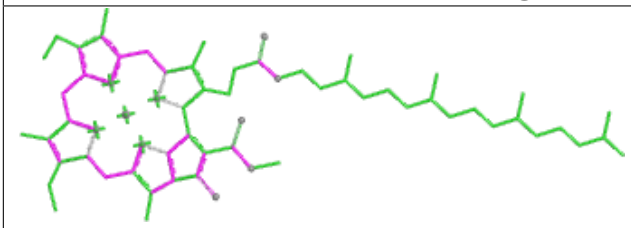
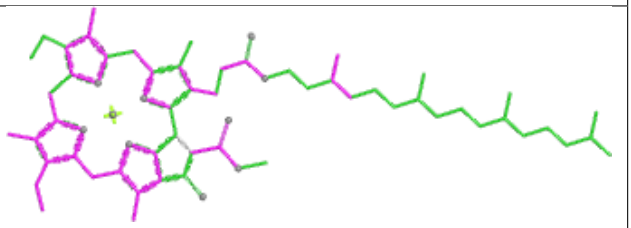
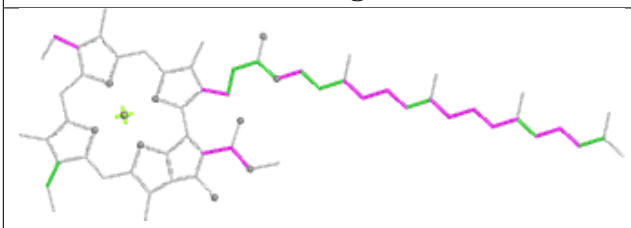
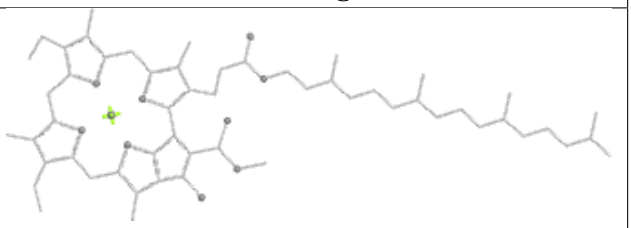


Torsions

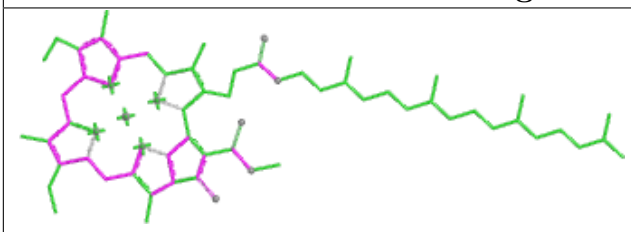


Rings

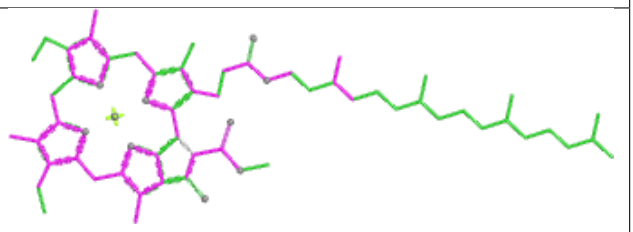
Ligand CLA cB 818	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA cA 840	
	
Bond lengths	Bond angles
	
Torsions	Rings

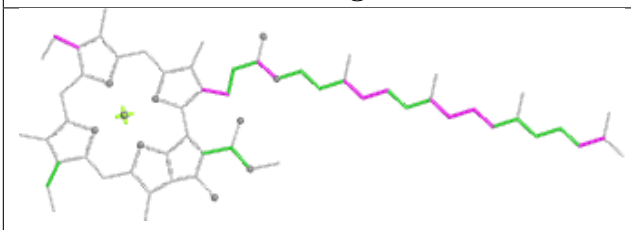
Ligand CLA cA 842



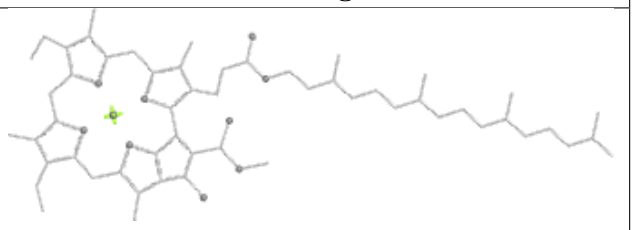
Bond lengths



Bond angles

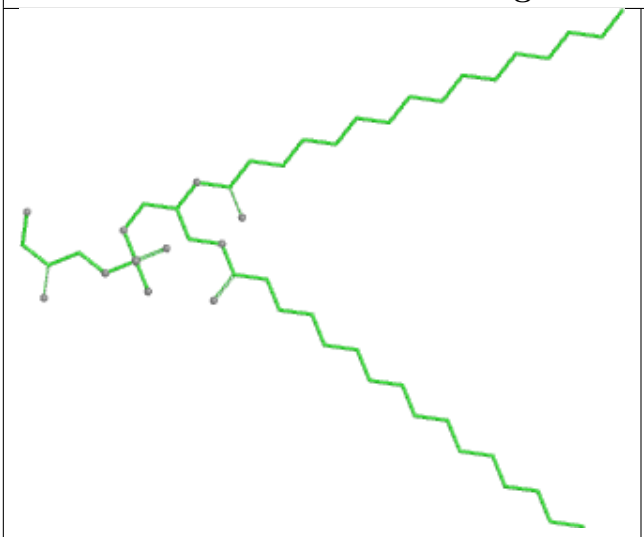


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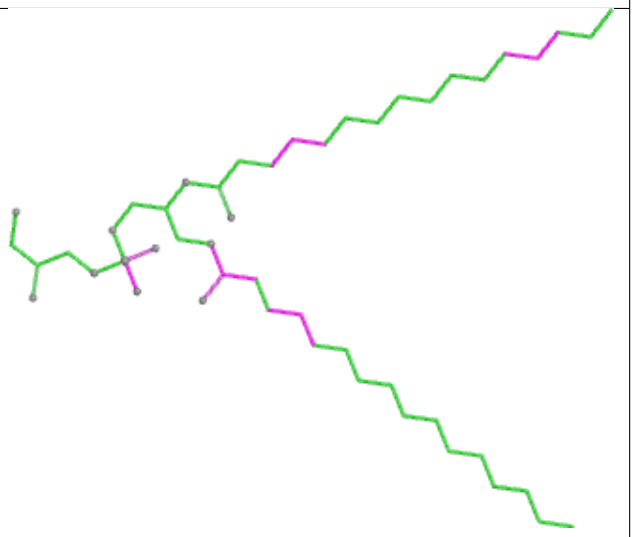


Rings

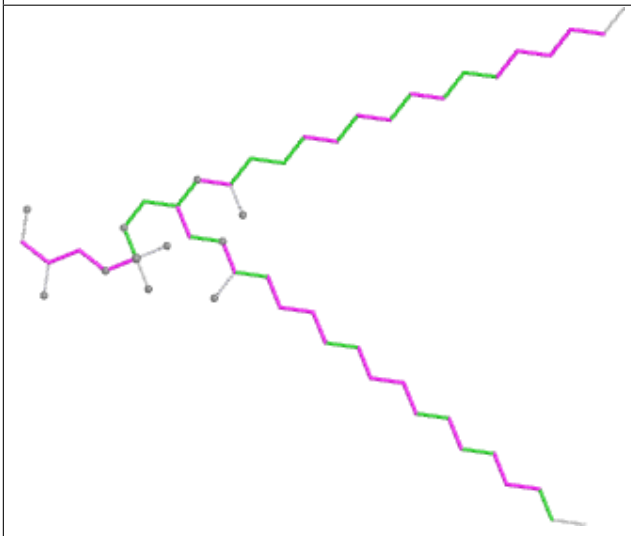
Ligand LHG cA 850



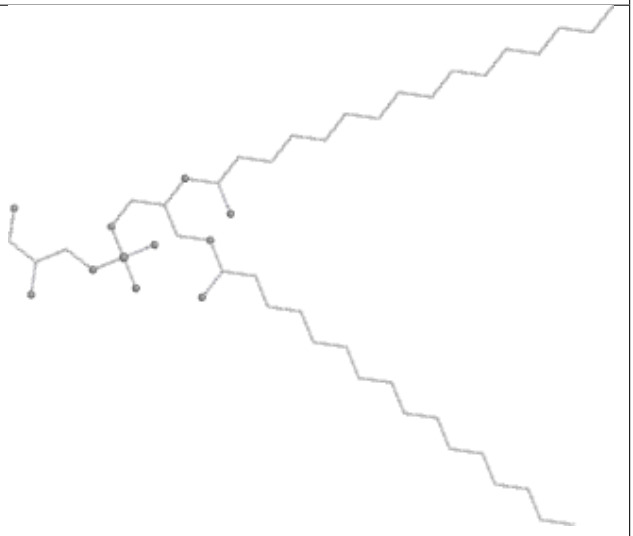
Bond lengths



Bond angles

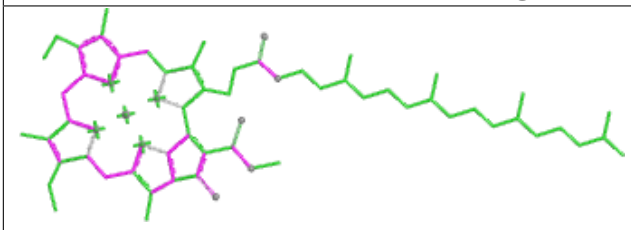


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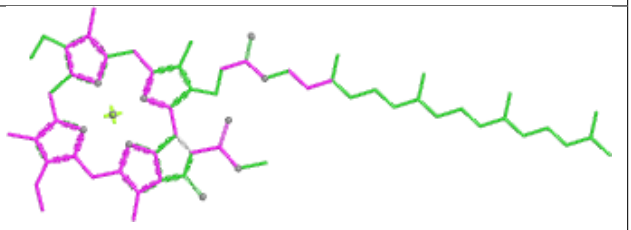


Rings

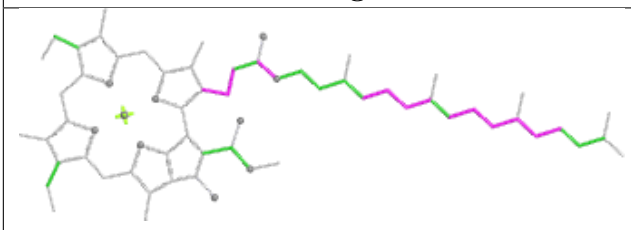
Ligand CLA dA 809



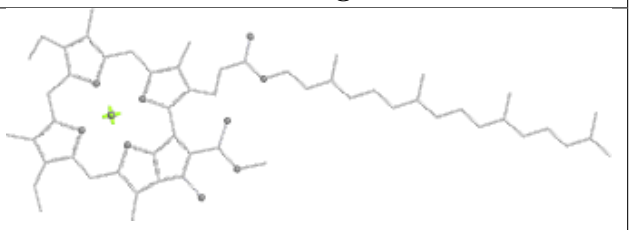
Bond lengths



Bond angles

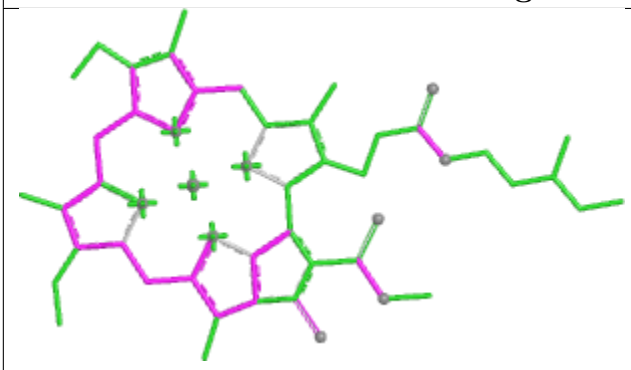


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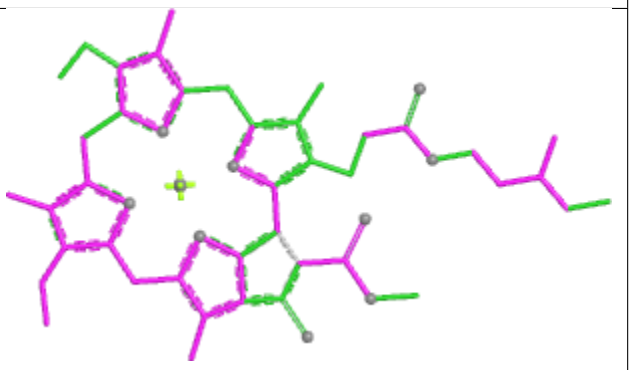


Rings

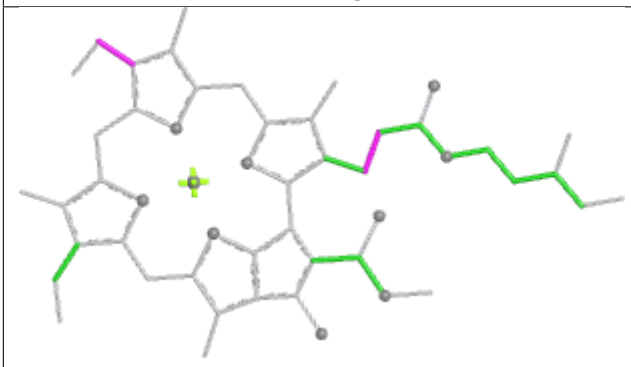
Ligand CLA aA 808



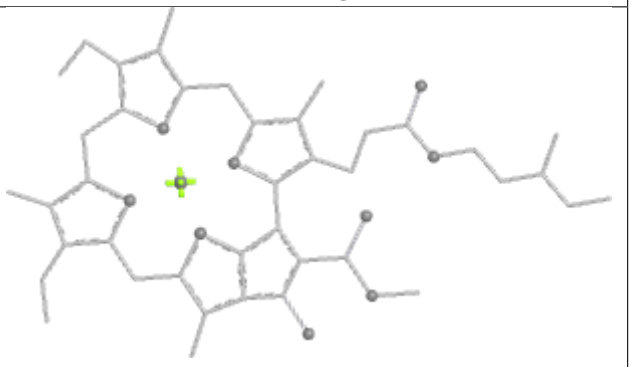
Bond lengths



Bond angles

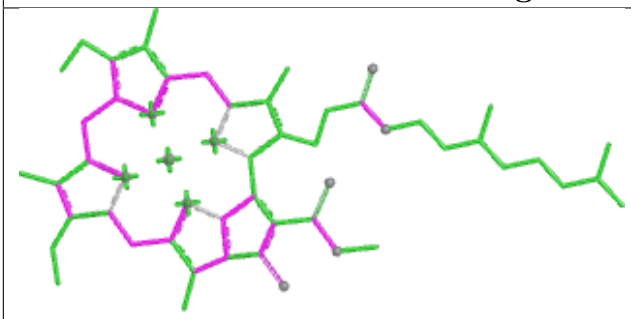


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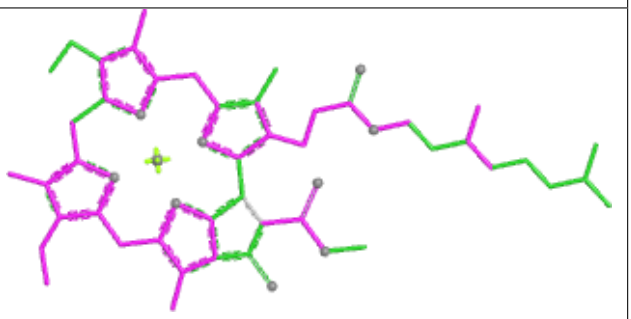


Rings

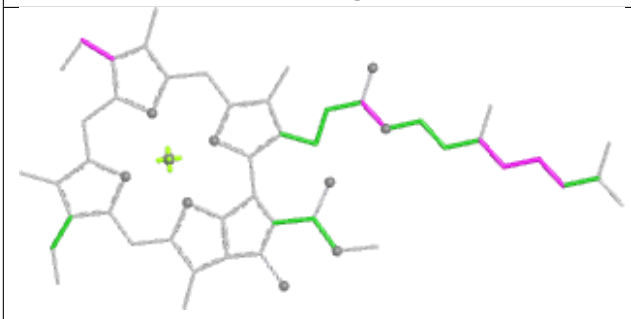
Ligand CLA aA 827



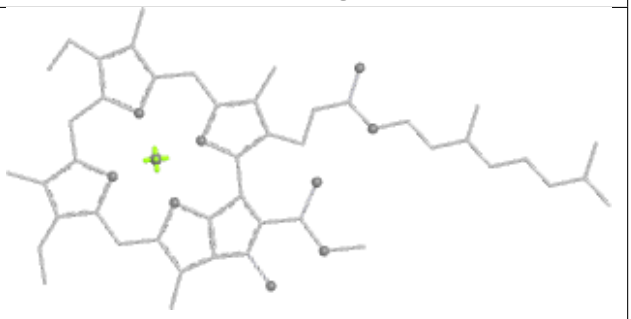
Bond lengths



Bond angles

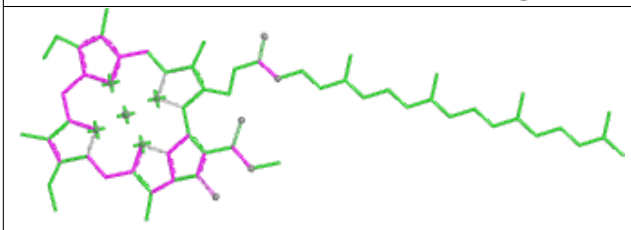


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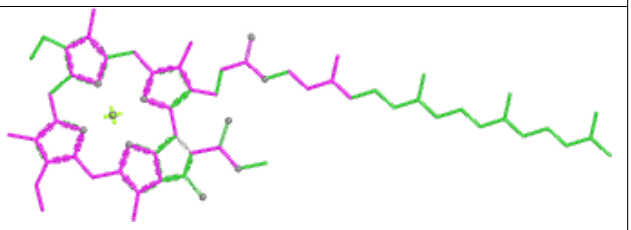


Rings

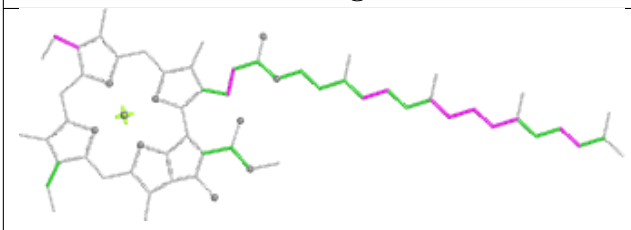
Ligand CLA aA 834



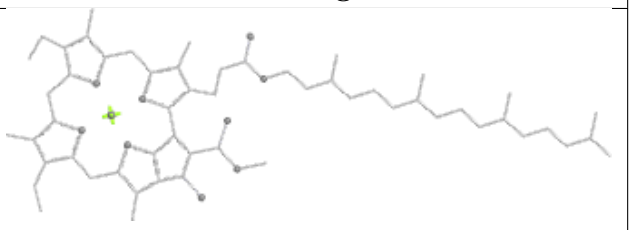
Bond lengths



Bond angles

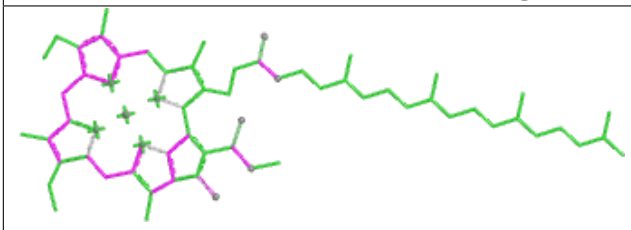


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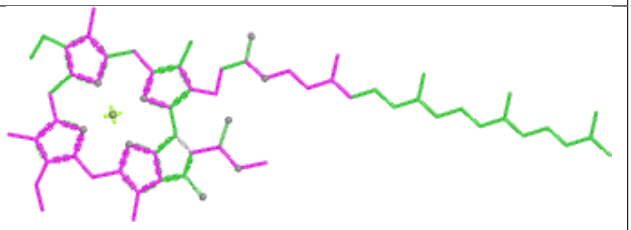


Rings

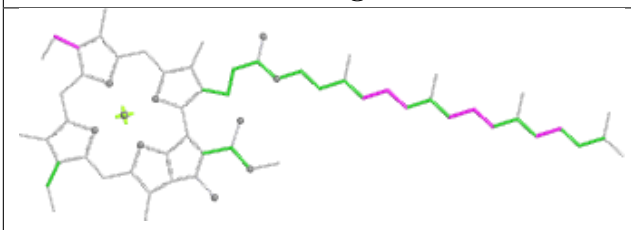
Ligand CLA aB 831



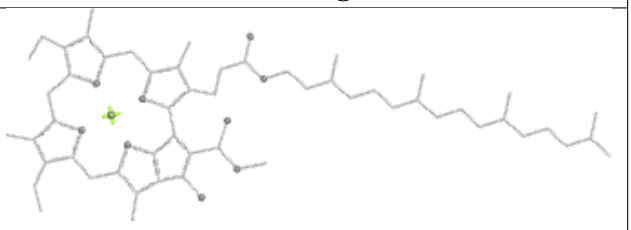
Bond lengths



Bond angles

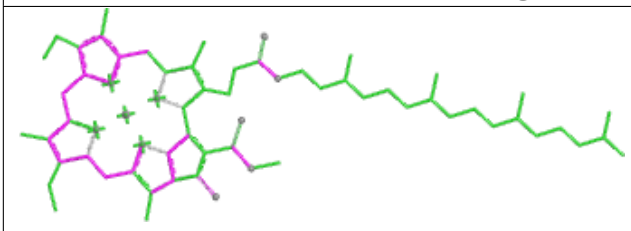


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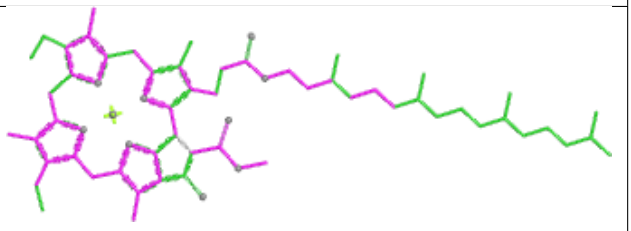


Rings

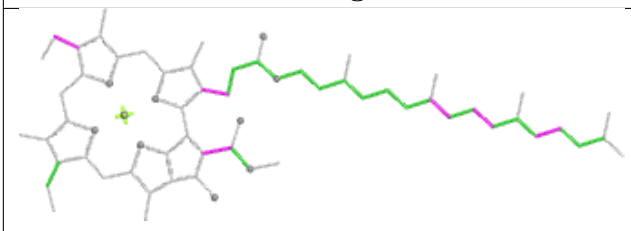
Ligand CLA bB 820



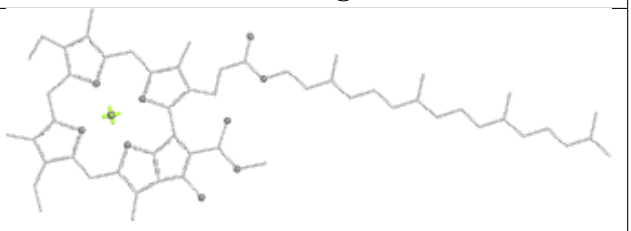
Bond lengths



Bond angles

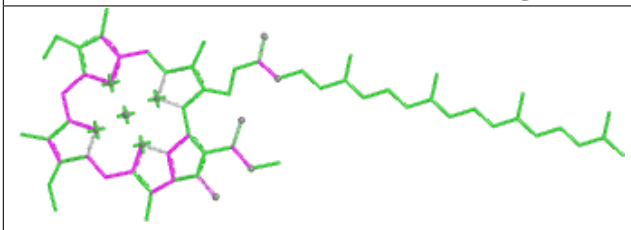


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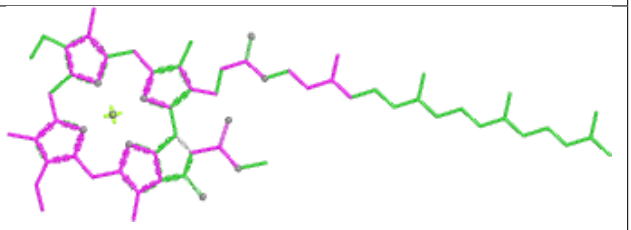


Rings

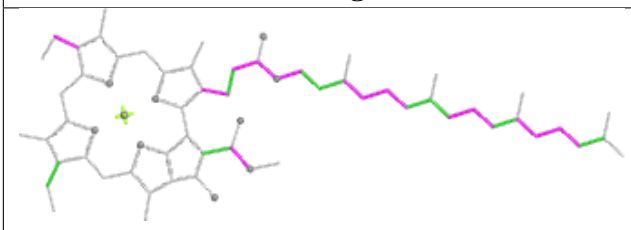
Ligand CLA bL 202



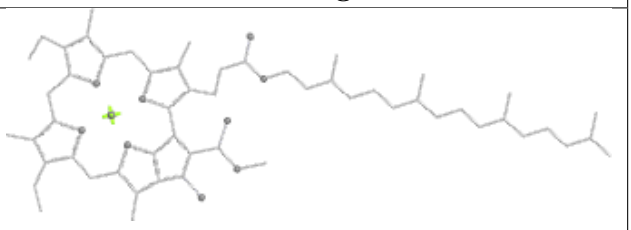
Bond lengths



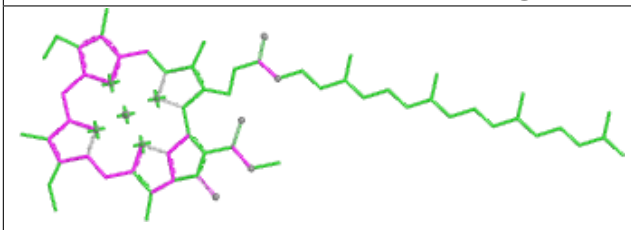
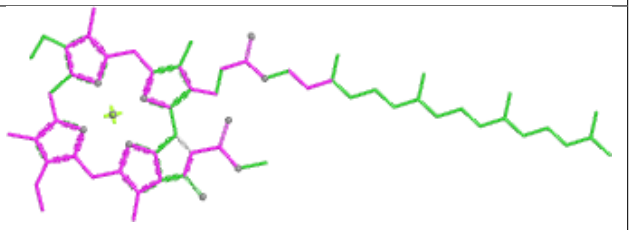
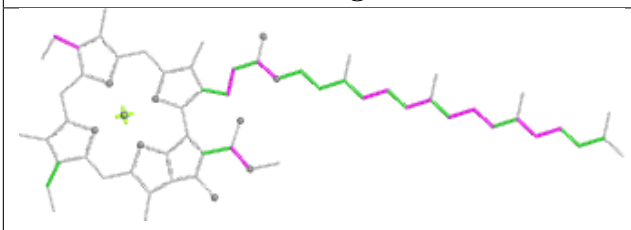
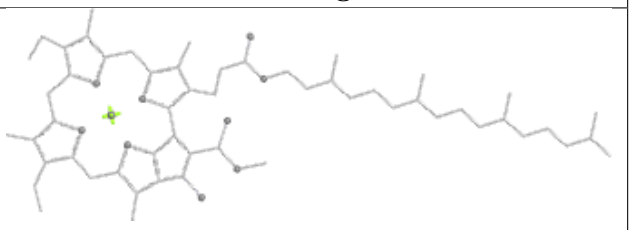
Bond angles

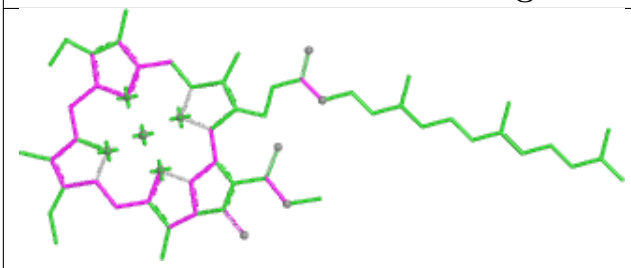
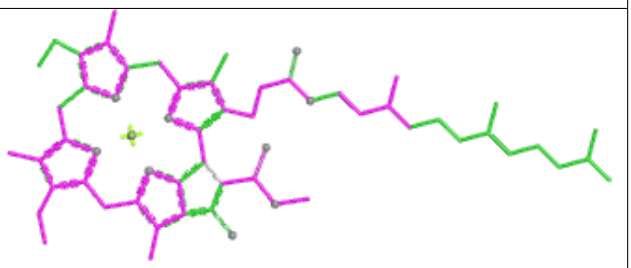
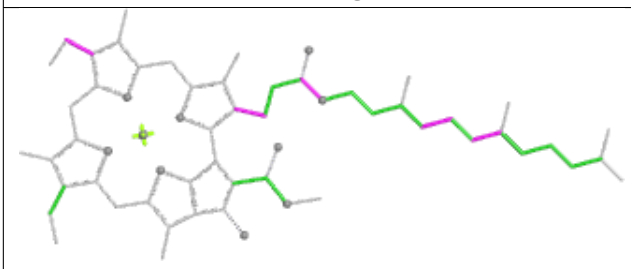
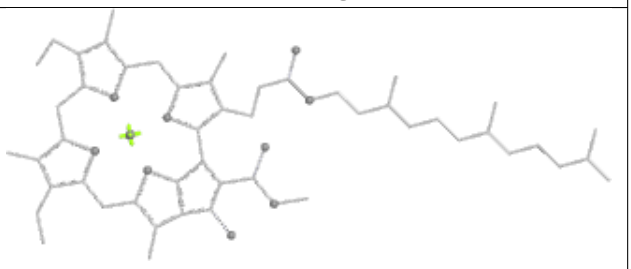


Torsions

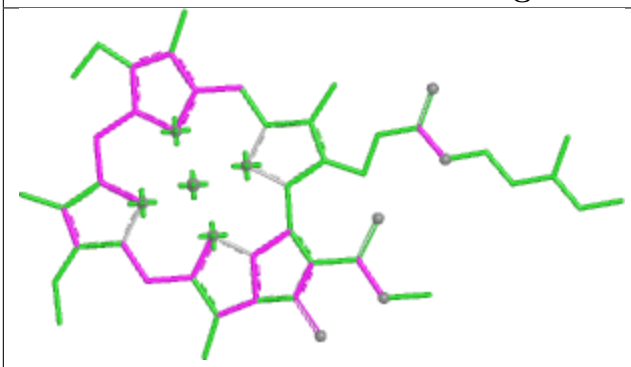


Rings

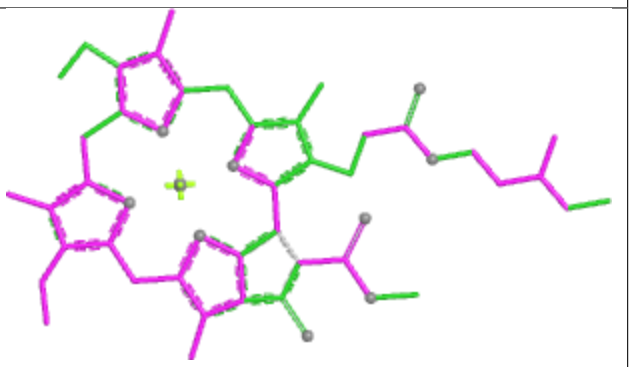
Ligand CLA aB 833	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA cB 819	
	
Bond lengths	Bond angles
	
Torsions	Rings

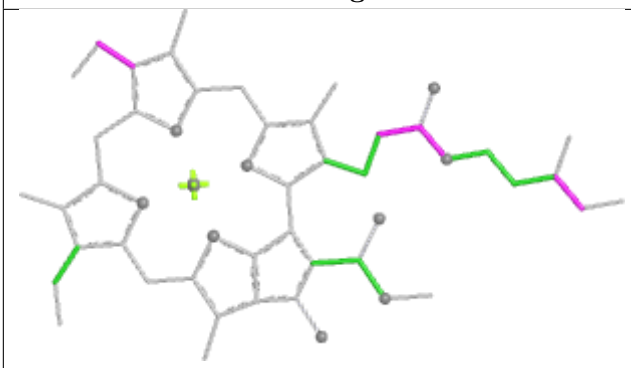
Ligand CLA dA 824



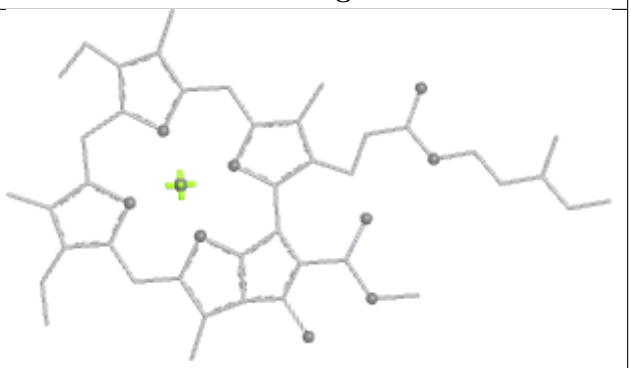
Bond lengths



Bond angles

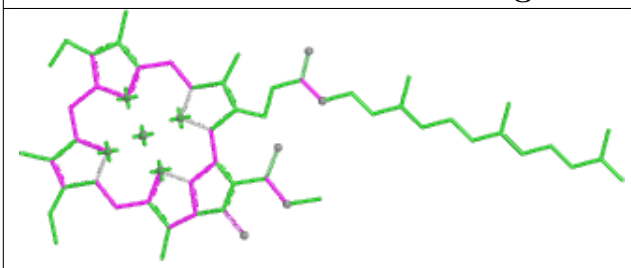


Torsions

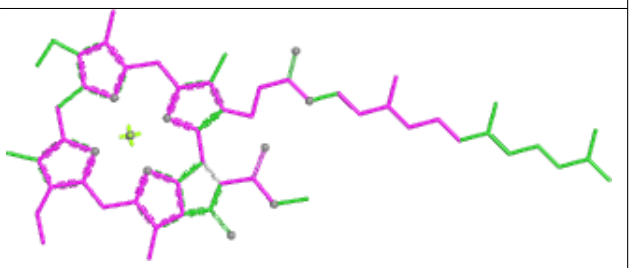


Rings

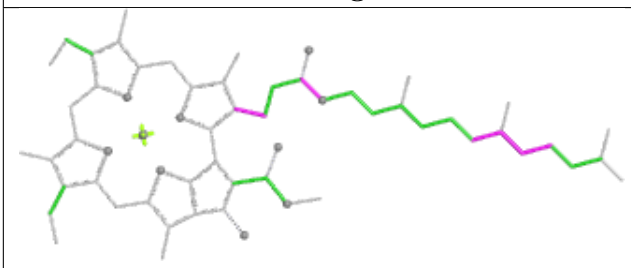
Ligand CLA bB 818



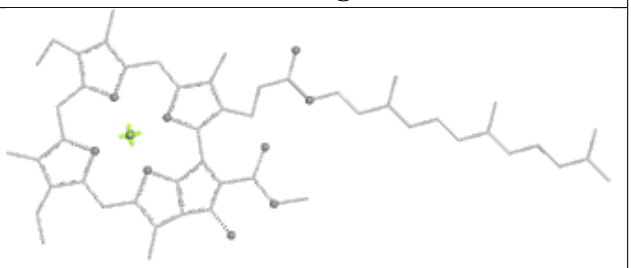
Bond lengths



Bond angles

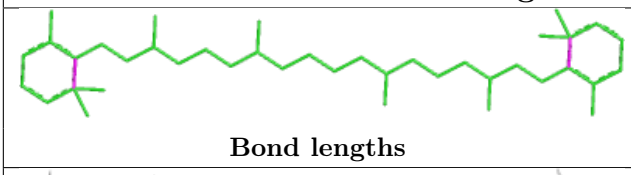


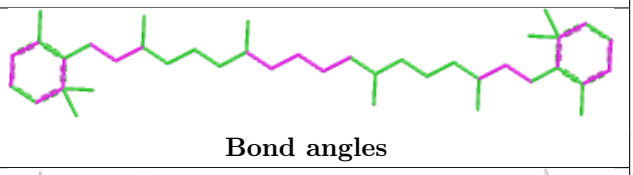
Torsions

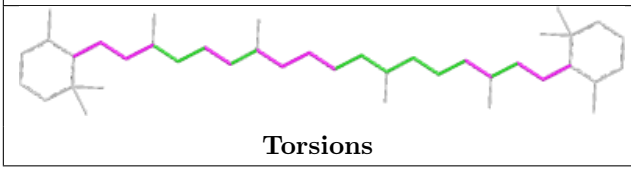


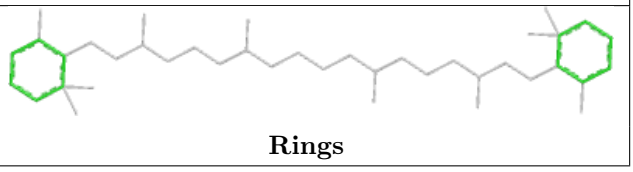
Rings

Ligand BCR aJ 103

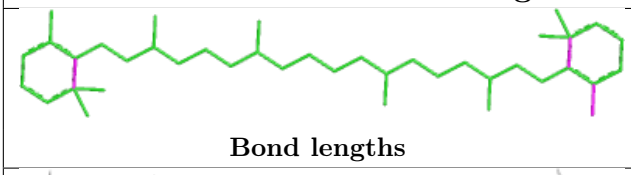

Bond lengths

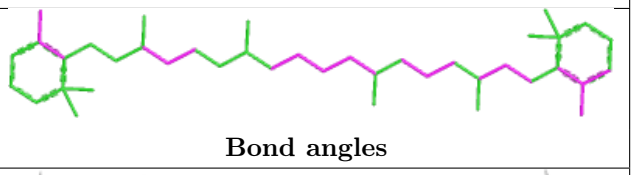

Bond angles

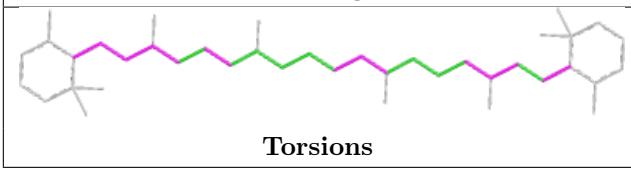

Torsions

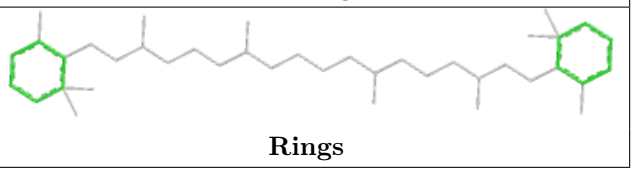

Rings

Ligand BCR aB 838

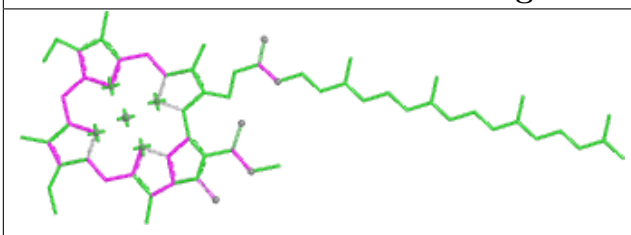

Bond lengths

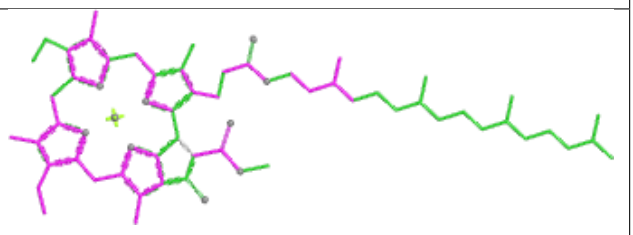

Bond angles

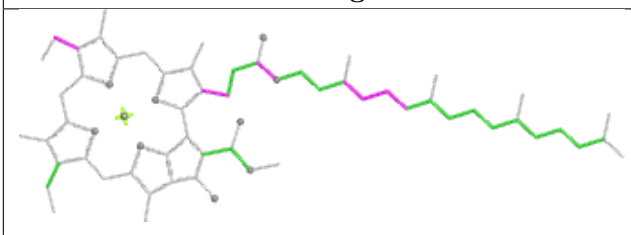

Torsions

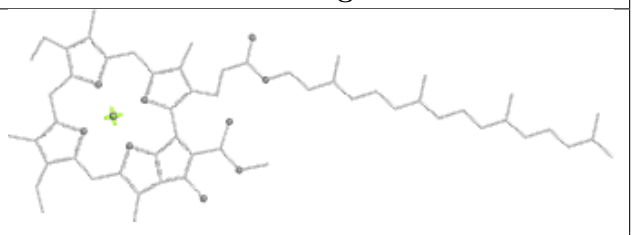

Rings

Ligand CLA cA 833


Bond lengths

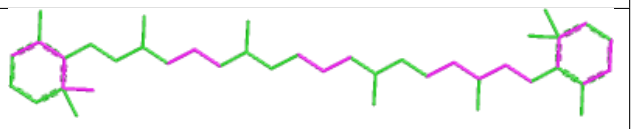

Bond angles

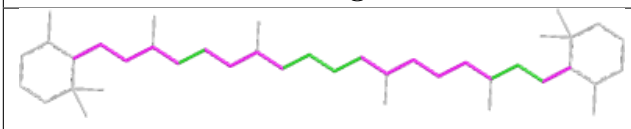

Torsions

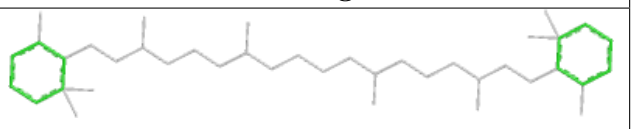

Rings

Ligand BCR bA 851

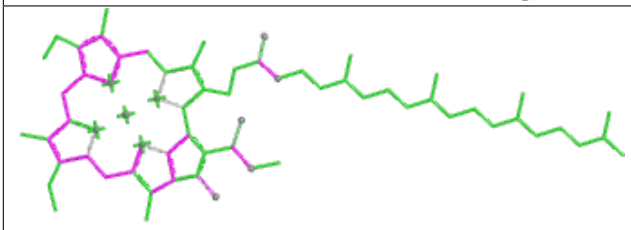

Bond lengths


Bond angles

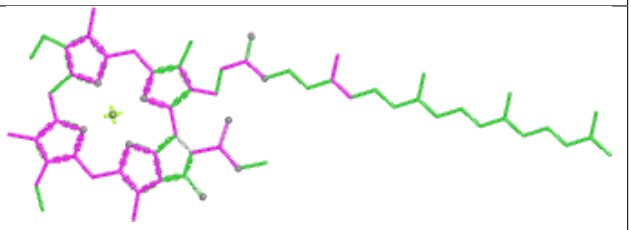

Torsions


Rings

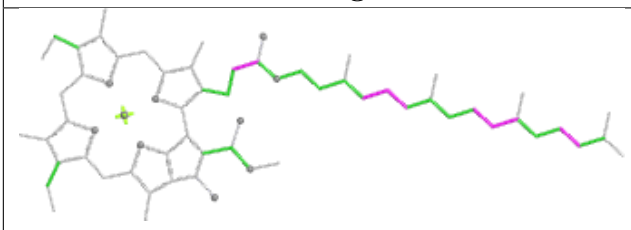
Ligand CLA cB 826



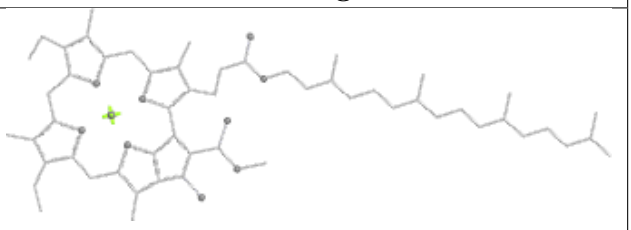
Bond lengths



Bond angles



Torsions

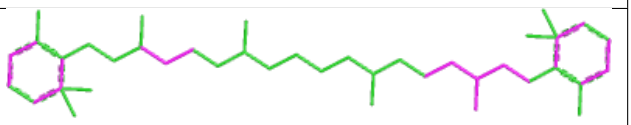


Rings

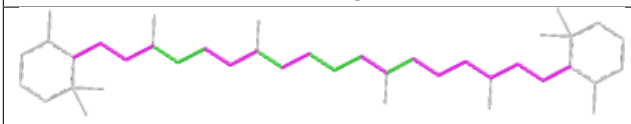
Ligand BCR cL 206



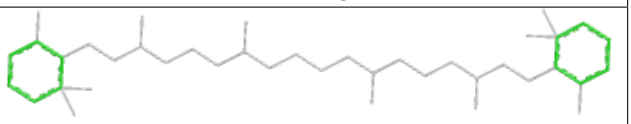
Bond lengths



Bond angles

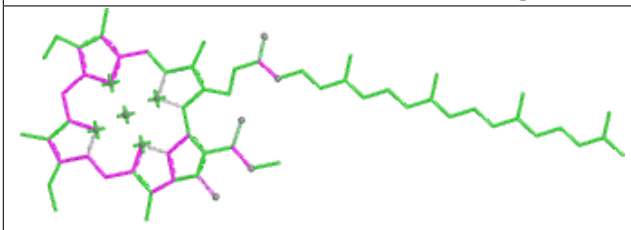


Torsions

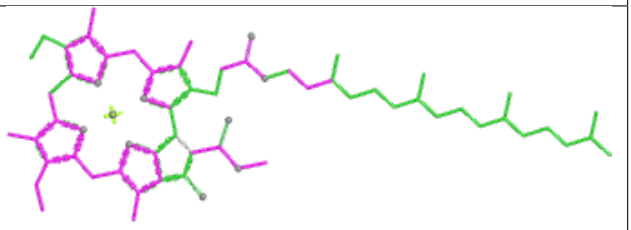


Rings

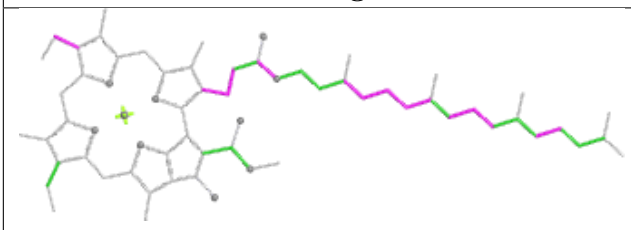
Ligand CLA dB 822



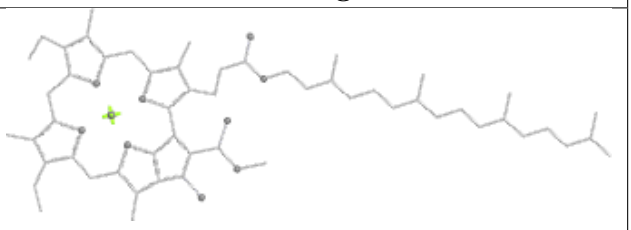
Bond lengths



Bond angles

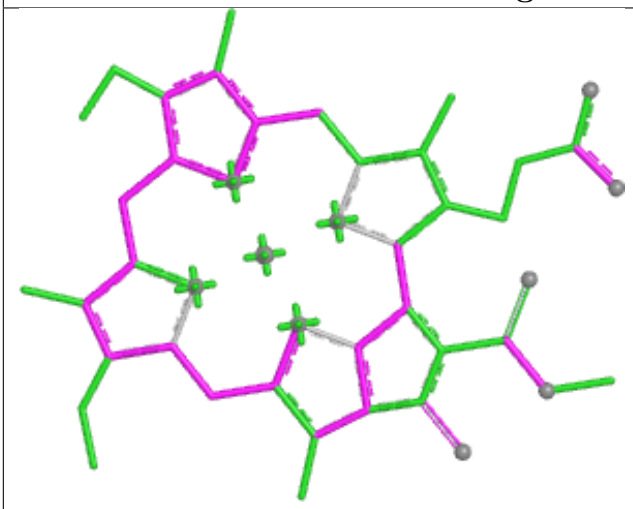


Torsions

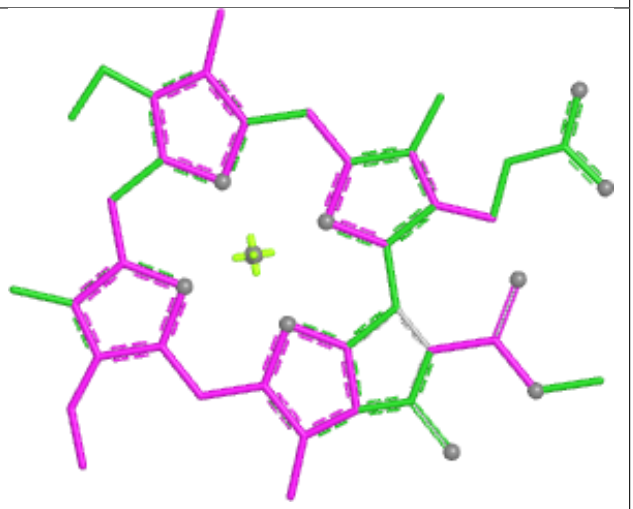


Rings

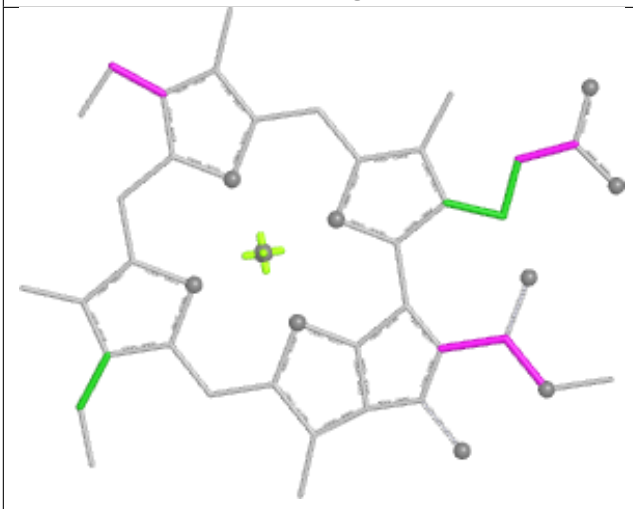
Ligand CLA cB 816



Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

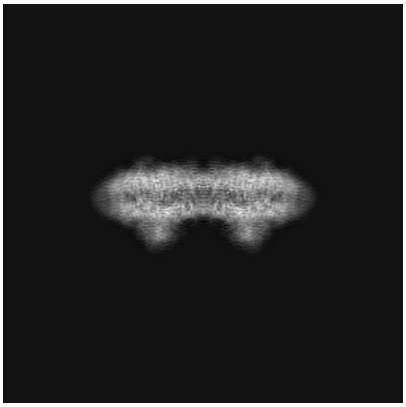
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-30823. These allow visual inspection of the internal detail of the map and identification of artifacts.

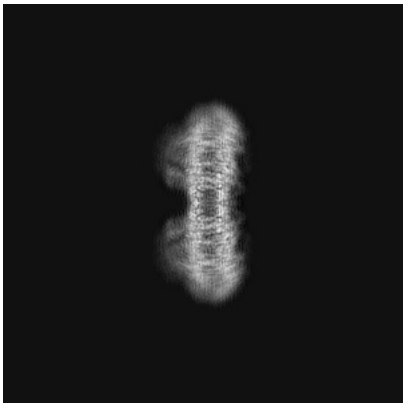
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

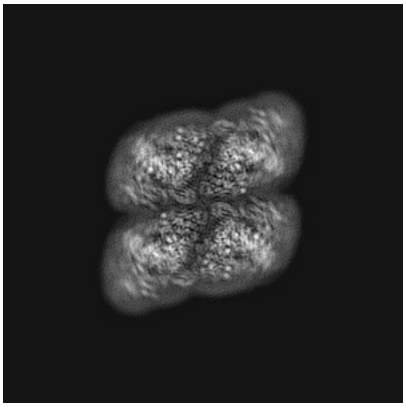
6.1.1 Primary map



X



Y

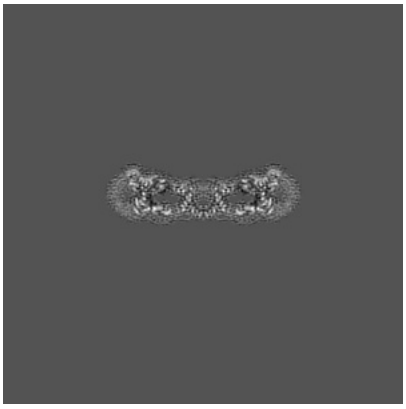


Z

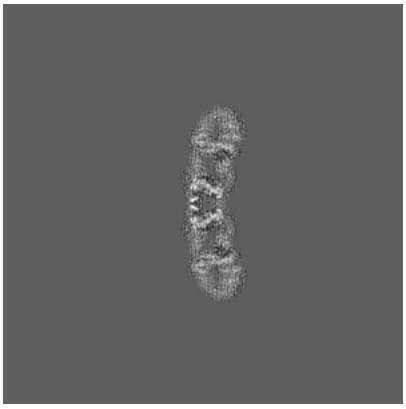
The images above show the map projected in three orthogonal directions.

6.2 Central slices

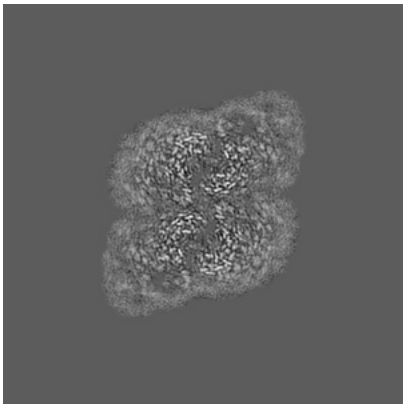
6.2.1 Primary map



X Index: 206



Y Index: 206



Z Index: 206

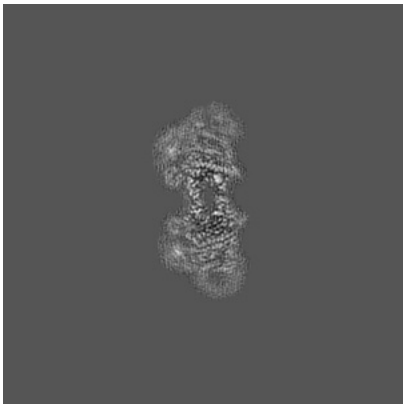
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

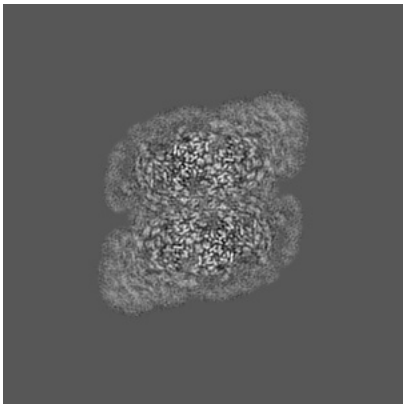
6.3.1 Primary map



X Index: 229



Y Index: 252

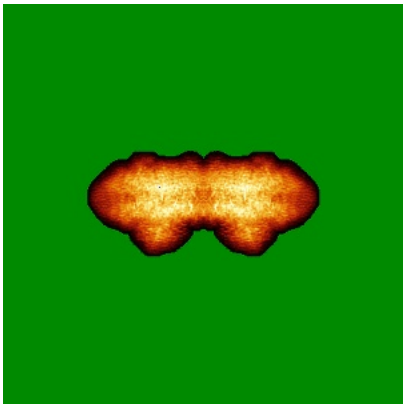


Z Index: 223

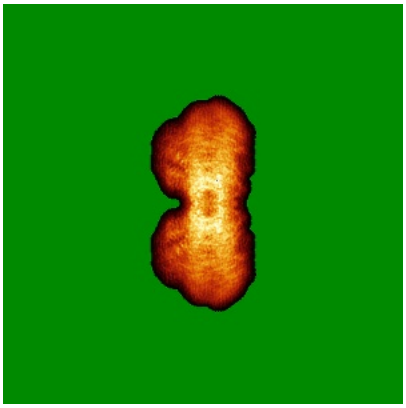
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) (i)

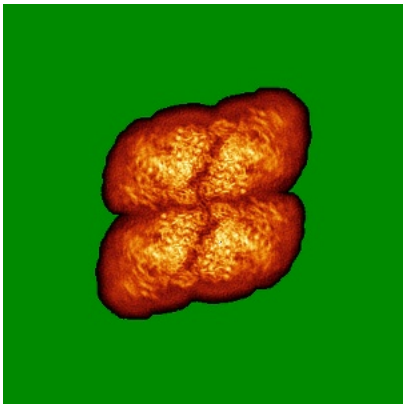
6.4.1 Primary map



X



Y



Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views (i)

This section was not generated.

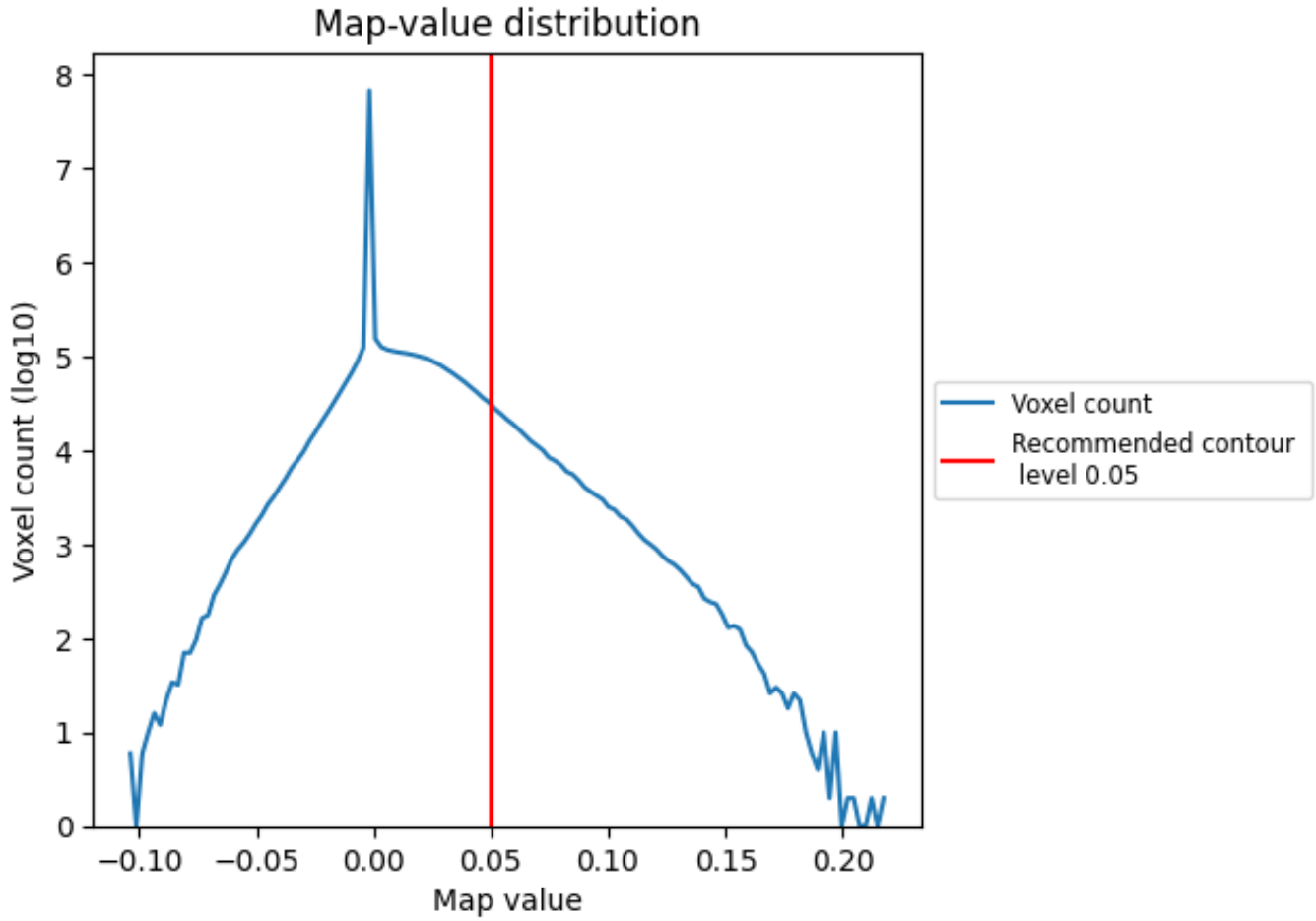
6.6 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

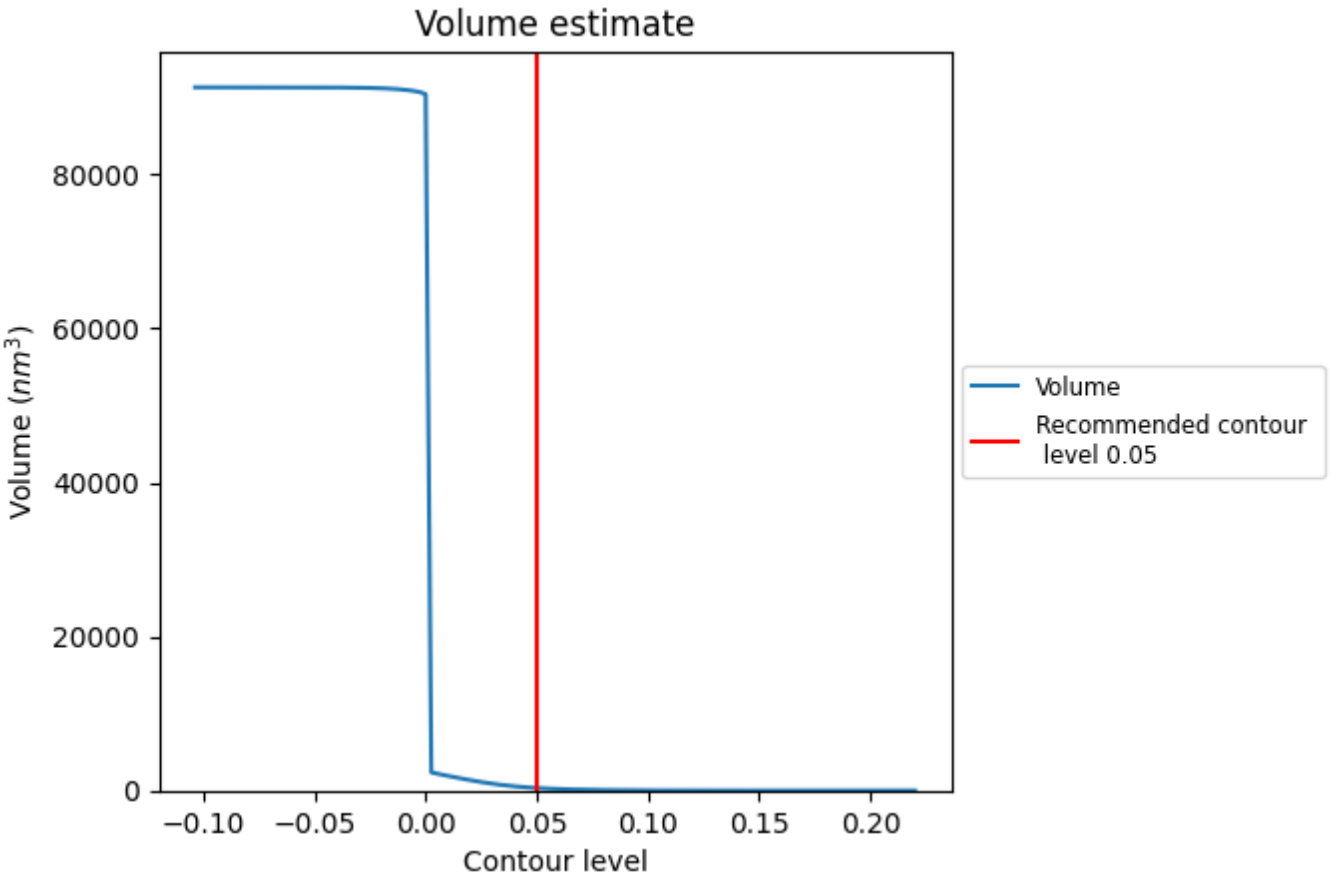
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

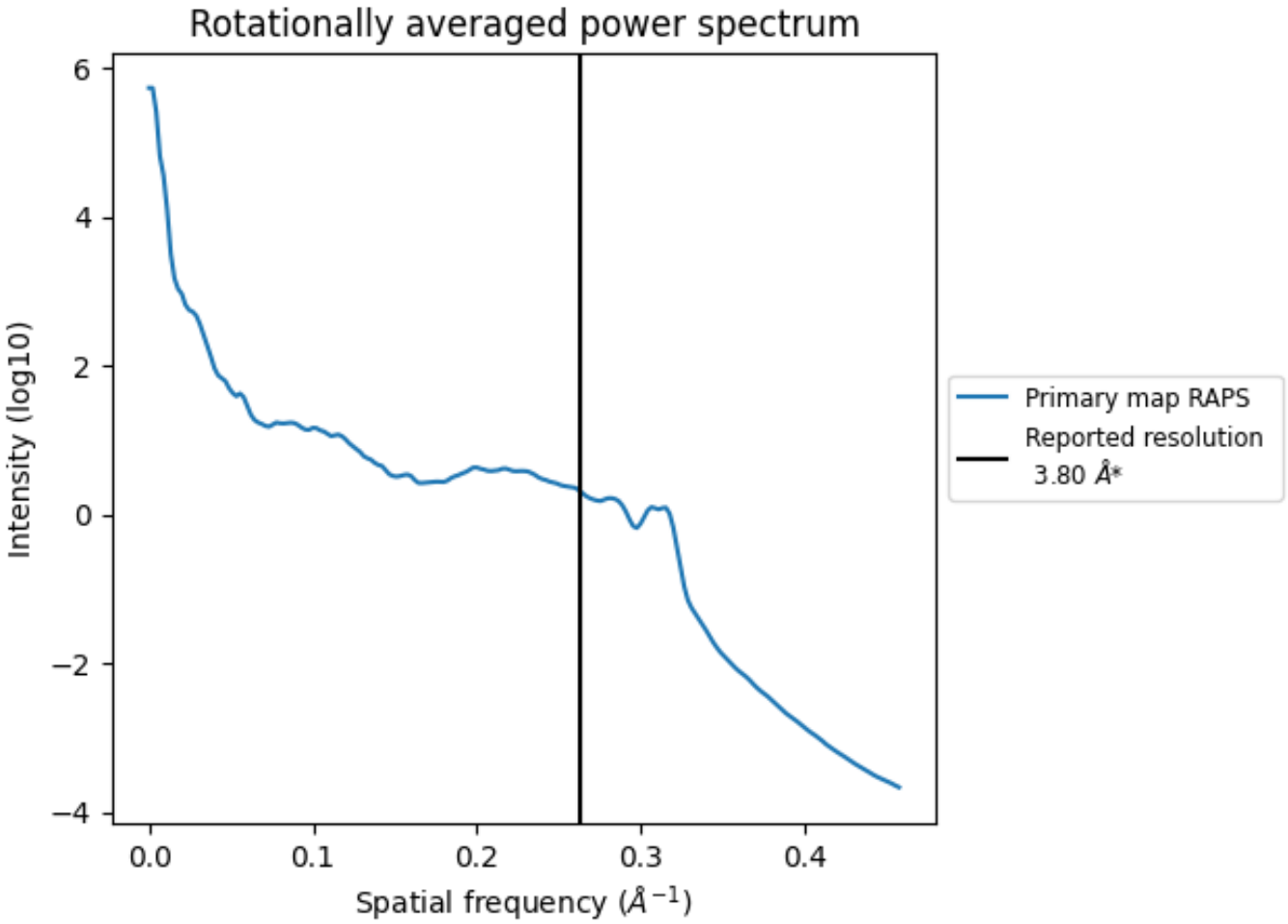
7.2 Volume estimate



The volume at the recommended contour level is 330 nm^3; this corresponds to an approximate mass of 298 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum (i)

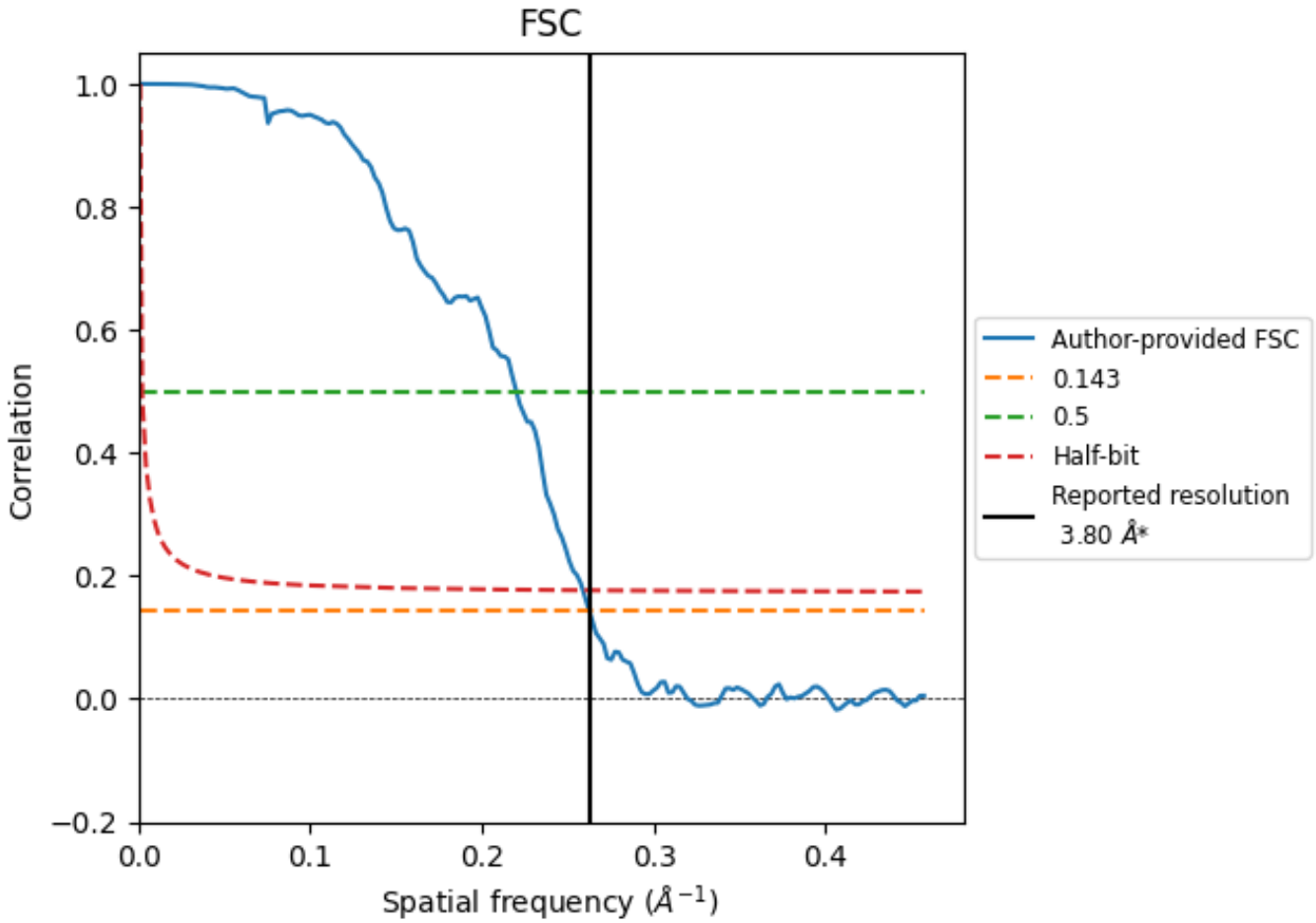


*Reported resolution corresponds to spatial frequency of 0.263 Å^{-1}

8 Fourier-Shell correlation

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC



*Reported resolution corresponds to spatial frequency of 0.263 Å^{-1}

8.2 Resolution estimates (i)

Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	3.80	-	-
Author-provided FSC curve	3.81	4.54	3.86
Unmasked-calculated*	-	-	-

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

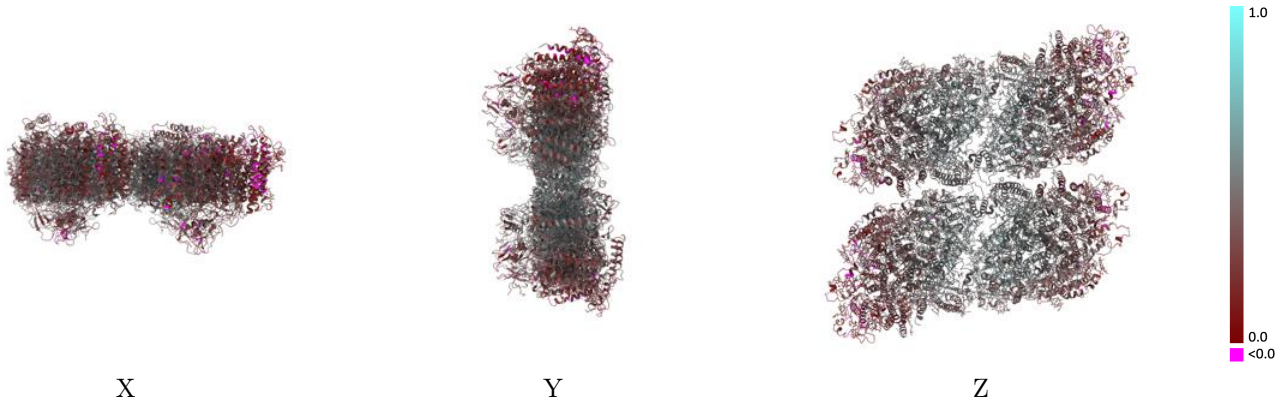
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-30823 and PDB model 7DR2. Per-residue inclusion information can be found in section 3 on page 39.

9.1 Map-model overlay

This section was not generated.

9.2 Q-score mapped to coordinate model

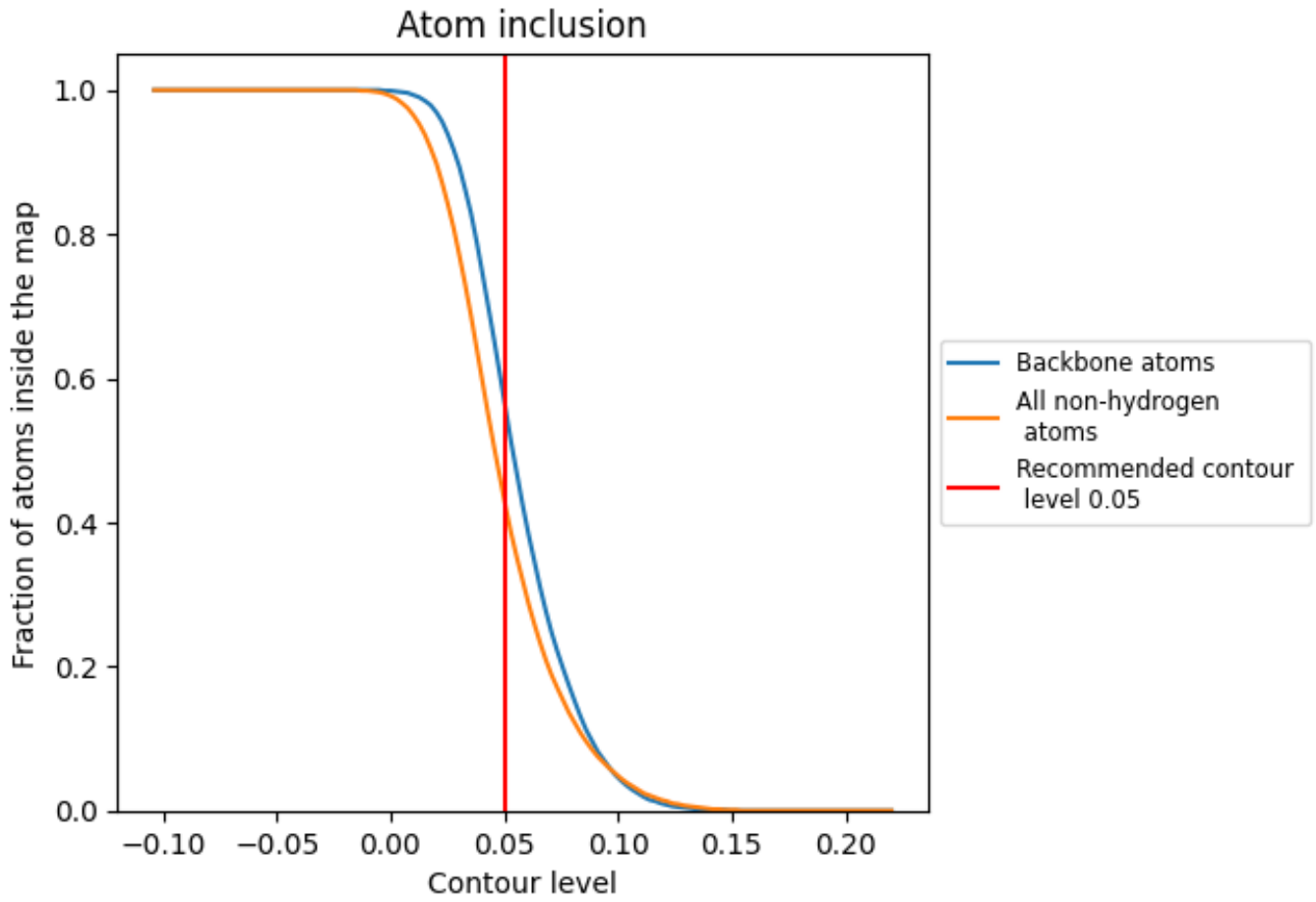


The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

9.3 Atom inclusion mapped to coordinate model

This section was not generated.

9.4 Atom inclusion (i)



At the recommended contour level, 57% of all backbone atoms, 43% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.05) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.4310	0.3740
aA	0.5590	0.4470
aB	0.3080	0.2770
aC	0.4630	0.2700
aD	0.3620	0.3420
aE	0.2340	0.2770
aF	0.1300	0.2700
aI	0.2660	0.3170
aJ	0.0690	0.2940
aK	0.5690	0.4570
aL	0.4630	0.3930
aM	0.2060	0.3030
bA	0.6170	0.4730
bB	0.3830	0.3390
bC	0.4460	0.3080
bD	0.3930	0.3690
bE	0.2040	0.3430
bF	0.1760	0.3210
bI	0.3320	0.3840
bJ	0.1510	0.3320
bL	0.5780	0.4420
bM	0.2620	0.3160
cA	0.5580	0.4430
cB	0.3050	0.2740
cC	0.4530	0.2730
cD	0.3660	0.3380
cE	0.2420	0.2770
cF	0.1260	0.2650
cI	0.2730	0.3140
cJ	0.0760	0.2890
cK	0.5840	0.4560
cL	0.4560	0.3910
cM	0.2020	0.2940
dA	0.6090	0.4670
dB	0.3790	0.3360



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Chain	Atom inclusion	Q-score
dC	0.4440	0.2990
dD	0.3950	0.3650
dE	0.1900	0.3340
dF	0.1660	0.3110
dI	0.3450	0.3900
dJ	0.1290	0.3240
dL	0.5540	0.4390
dM	0.2340	0.3150