



Full wwPDB EM Validation Report ⓘ

Mar 7, 2026 – 03:31 AM UTC

PDB ID : 9KC5 / pdb_00009kc5
EMDB ID : EMD-62242
Title : PSI-LHCI of the red alga Galdieria sulphuraria NIES-3638
Authors : Kato, K.; Nakajima, Y.; Shen, J.R.; Nagao, R.
Deposited on : 2024-11-01
Resolution : 2.19 Å(reported)
Based on initial model : .

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:

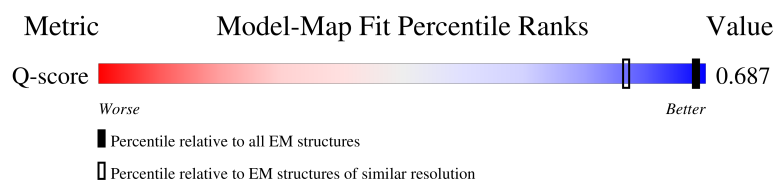
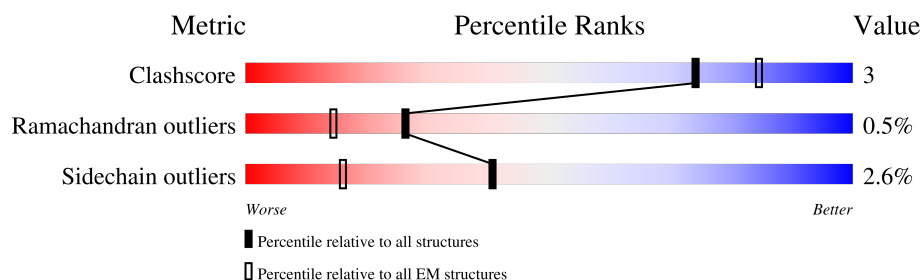
EMDB validation analysis : 0.0.1.dev132
Mogul : 2022.3.0, CSD as543be (2022)
MolProbity : 4-5-2 with Phenix2.0
Buster-report : wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics : 202505.v01 (Using data 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

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

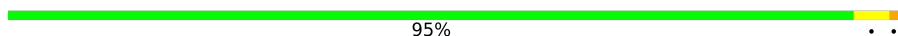
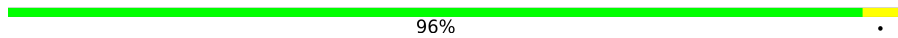
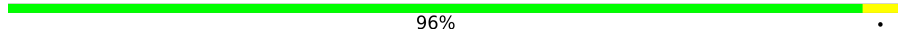
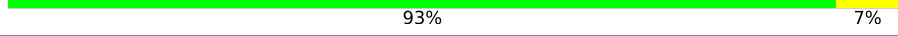
The reported resolution of this entry is 2.19 Å.

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	2745 (1.70 - 2.69)

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 $\leq 5\%$. 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	A	739	 95% . .
2	B	732	 96% .
3	C	80	 96% .
4	D	138	 93% 7%

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Mol	Chain	Length	Quality of chain
5	E	64	
6	F	161	
7	I	34	
8	J	42	
9	K	65	
10	L	139	
11	M	28	
12	O	95	
13	Z	84	
14	1	177	
15	2	162	
16	3	131	
17	4	178	
18	5	178	
19	6	178	
20	7	168	

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
21	CL0	A	801	X	-	-	-
22	CLA	1	302	X	-	-	-
22	CLA	1	303	X	-	-	-
22	CLA	1	304	X	-	-	-
22	CLA	1	305	X	-	-	-
22	CLA	1	306	X	-	-	-
22	CLA	1	308	X	-	-	-
22	CLA	1	309	X	-	-	-
22	CLA	1	310	X	-	-	-
22	CLA	2	302	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
22	CLA	2	303	X	-	-	-
22	CLA	2	304	X	-	-	-
22	CLA	2	306	X	-	-	-
22	CLA	2	307	X	-	-	-
22	CLA	2	308	X	-	-	-
22	CLA	2	309	X	-	-	-
22	CLA	2	310	X	-	-	-
22	CLA	2	311	X	-	-	-
22	CLA	3	301	X	-	-	-
22	CLA	3	302	X	-	-	-
22	CLA	3	303	X	-	-	-
22	CLA	3	304	X	-	-	-
22	CLA	3	305	X	-	-	-
22	CLA	4	302	X	-	-	-
22	CLA	4	303	X	-	-	-
22	CLA	4	304	X	-	-	-
22	CLA	4	305	X	-	-	-
22	CLA	4	306	X	-	-	-
22	CLA	4	307	X	-	-	-
22	CLA	4	308	X	-	-	-
22	CLA	4	309	X	-	-	-
22	CLA	4	310	X	-	-	-
22	CLA	4	311	X	-	-	-
22	CLA	4	312	X	-	-	-
22	CLA	5	301	X	-	-	-
22	CLA	5	302	X	-	-	-
22	CLA	5	303	X	-	-	-
22	CLA	5	304	X	-	-	-
22	CLA	5	305	X	-	-	-
22	CLA	5	306	X	-	-	-
22	CLA	5	307	X	-	-	-
22	CLA	5	308	X	-	-	-
22	CLA	5	309	X	-	-	-
22	CLA	5	310	X	-	-	-
22	CLA	5	311	X	-	-	-
22	CLA	6	303	X	-	-	-
22	CLA	6	304	X	-	-	-
22	CLA	6	305	X	-	-	-
22	CLA	6	306	X	-	-	-
22	CLA	6	307	X	-	-	-
22	CLA	6	308	X	-	-	-
22	CLA	6	309	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
22	CLA	6	310	X	-	-	-
22	CLA	6	311	X	-	-	-
22	CLA	6	312	X	-	-	-
22	CLA	6	313	X	-	-	-
22	CLA	6	314	X	-	-	-
22	CLA	7	303	X	-	-	-
22	CLA	7	304	X	-	-	-
22	CLA	7	305	X	-	-	-
22	CLA	7	307	X	-	-	-
22	CLA	7	308	X	-	-	-
22	CLA	7	309	X	-	-	-
22	CLA	7	310	X	-	-	-
22	CLA	7	311	X	-	-	-
22	CLA	7	312	X	-	-	-
22	CLA	7	313	X	-	-	-
22	CLA	A	802	X	-	-	-
22	CLA	A	803	X	-	-	-
22	CLA	A	804	X	-	-	-
22	CLA	A	805	X	-	-	-
22	CLA	A	806	X	-	-	-
22	CLA	A	808	X	-	-	-
22	CLA	A	809	X	-	-	-
22	CLA	A	810	X	-	-	-
22	CLA	A	811	X	-	-	-
22	CLA	A	812	X	-	-	-
22	CLA	A	813	X	-	-	-
22	CLA	A	815	X	-	-	-
22	CLA	A	816	X	-	-	-
22	CLA	A	817	X	-	-	-
22	CLA	A	818	X	-	-	-
22	CLA	A	819	X	-	-	-
22	CLA	A	821	X	-	-	-
22	CLA	A	823	X	-	-	-
22	CLA	A	824	X	-	-	-
22	CLA	A	825	X	-	-	-
22	CLA	A	826	X	-	-	-
22	CLA	A	827	X	-	-	-
22	CLA	A	828	X	-	-	-
22	CLA	A	829	X	-	-	-
22	CLA	A	830	X	-	-	-
22	CLA	A	831	X	-	-	-
22	CLA	A	832	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
22	CLA	A	833	X	-	-	-
22	CLA	A	835	X	-	-	-
22	CLA	A	836	X	-	-	-
22	CLA	A	837	X	-	-	-
22	CLA	A	838	X	-	-	-
22	CLA	A	839	X	-	-	-
22	CLA	A	848	X	-	-	-
22	CLA	A	857	X	-	-	-
22	CLA	A	858	X	-	-	-
22	CLA	A	859	X	-	-	-
22	CLA	B	801	X	-	-	-
22	CLA	B	802	X	-	-	-
22	CLA	B	803	X	-	-	-
22	CLA	B	804	X	-	-	-
22	CLA	B	805	X	-	-	-
22	CLA	B	806	X	-	-	-
22	CLA	B	807	X	-	-	-
22	CLA	B	808	X	-	-	-
22	CLA	B	809	X	-	-	-
22	CLA	B	810	X	-	-	-
22	CLA	B	811	X	-	-	-
22	CLA	B	813	X	-	-	-
22	CLA	B	814	X	-	-	-
22	CLA	B	815	X	-	-	-
22	CLA	B	816	X	-	-	-
22	CLA	B	817	X	-	-	-
22	CLA	B	818	X	-	-	-
22	CLA	B	819	X	-	-	-
22	CLA	B	820	X	-	-	-
22	CLA	B	822	X	-	-	-
22	CLA	B	823	X	-	-	-
22	CLA	B	824	X	-	-	-
22	CLA	B	825	X	-	-	-
22	CLA	B	826	X	-	-	-
22	CLA	B	827	X	-	-	-
22	CLA	B	828	X	-	-	-
22	CLA	B	829	X	-	-	-
22	CLA	B	831	X	-	-	-
22	CLA	B	832	X	-	-	-
22	CLA	B	833	X	-	-	-
22	CLA	B	834	X	-	-	-
22	CLA	B	835	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
22	CLA	B	836	X	-	-	-
22	CLA	B	837	X	-	-	-
22	CLA	B	839	X	-	-	-
22	CLA	B	850	X	-	-	-
22	CLA	F	204	X	-	-	-
22	CLA	F	205	X	-	-	-
22	CLA	F	206	X	-	-	-
22	CLA	J	102	X	-	-	-
22	CLA	K	101	X	-	-	-
22	CLA	K	102	X	-	-	-
22	CLA	L	203	X	-	-	-
22	CLA	L	204	X	-	-	-
22	CLA	L	205	X	-	-	-
22	CLA	O	203	X	-	-	-
22	CLA	O	204	X	-	-	-
22	CLA	O	205	X	-	-	-
22	CLA	O	206	X	-	-	-
22	CLA	Z	201	X	-	-	-
22	CLA	Z	204	X	-	-	-
29	5X6	1	311	-	X	-	-
29	5X6	1	316	-	X	-	-
29	5X6	7	315	-	X	-	-
29	5X6	M	101	-	X	-	-

2 Entry composition

There are 32 unique types of molecules in this entry. The entry contains 41435 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	A	739	Total	C	N	O	S	0	0
			5844	3827	1001	990	26		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
2	B	732	Total	C	N	O	S	0	0
			5859	3864	988	993	14		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
3	C	80	Total	C	N	O	S	0	0
			600	369	104	115	12		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
4	D	138	Total	C	N	O	S	0	0
			1103	706	188	205	4		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
5	E	64	Total	C	N	O	S	0	0
			516	333	85	97	1		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
6	F	161	Total	C	N	O	S	0	0
			1285	832	216	232	5		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
7	I	34	Total	C	N	O	S	0	0
			273	189	35	47	2		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
8	J	42	Total	C	N	O	S	0	0
			337	230	50	56	1		

- Molecule 9 is a protein called PSI-K.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	K	51	Total	C	N	O	S	0	0
			368	239	59	68	2		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
10	L	139	Total	C	N	O	S	0	0
			1076	707	174	193	2		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
11	M	28	Total	C	N	O	S	0	0
			214	143	34	36	1		

- Molecule 12 is a protein called Photosystem I subunit O.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	O	95	Total	C	N	O	S	0	0
			748	504	115	128	1		

- Molecule 13 is a protein called Psa28.

Mol	Chain	Residues	Atoms					AltConf	Trace
13	Z	84	Total	C	N	O	S	0	0
			637	423	98	114	2		

- Molecule 14 is a protein called RedCAP.

Mol	Chain	Residues	Atoms					AltConf	Trace
14	1	177	Total	C	N	O	S	0	0
			1370	889	235	241	5		

- Molecule 15 is a protein called Light-harvesting complex protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
15	2	162	Total	C	N	O	S	0	0
			1286	834	219	229	4		

- Molecule 16 is a protein called Light-harvesting complex protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
16	3	99	Total	C	N	O	S	0	0
			772	508	126	132	6		

- Molecule 17 is a protein called Light-harvesting complex protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	4	178	Total	C	N	O	S	0	0
			1407	926	233	240	8		

- Molecule 18 is a protein called Light-harvesting complex protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	5	178	Total	C	N	O	S	0	0
			1402	912	238	245	7		

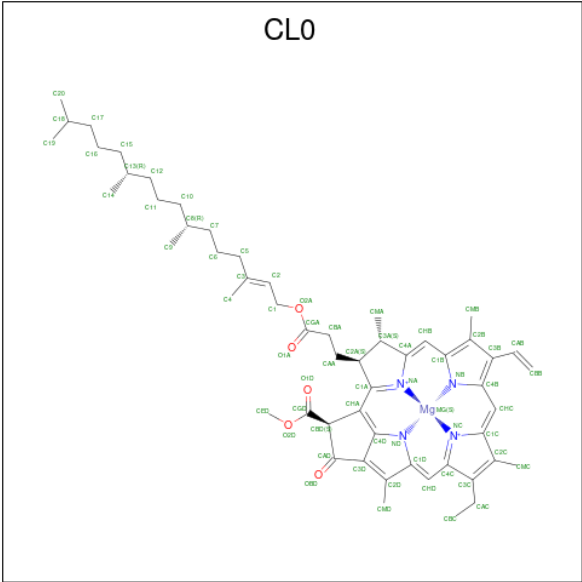
- Molecule 19 is a protein called Light-harvesting complex protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
19	6	178	Total	C	N	O	S	0	0
			1450	965	235	241	9		

- Molecule 20 is a protein called Light-harvesting complex protein.

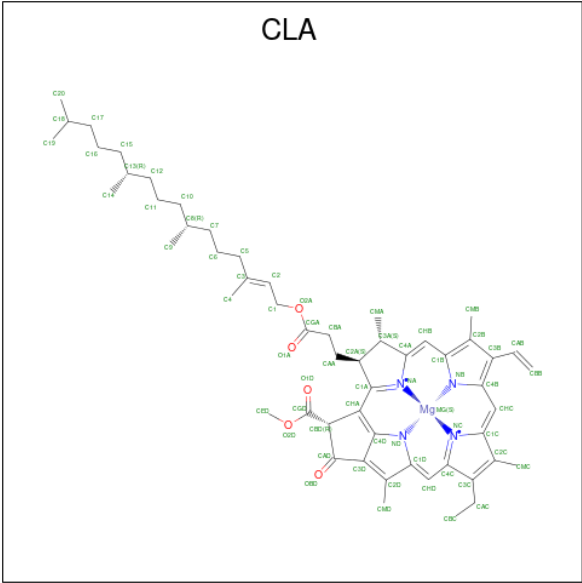
Mol	Chain	Residues	Atoms					AltConf	Trace
20	7	168	Total	C	N	O	S	0	0
			1322	860	220	234	8		

- Molecule 21 is CHLOROPHYLL A ISOMER (CCD ID: CL0) (formula: $C_{55}H_{72}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
21	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

- Molecule 22 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
22	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 50	C 40	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 55	C 45	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 54	C 44	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 42	C 34	Mg 1	N 4	O 3	0
22	A	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	A	1	Total 62	C 52	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	A	1	Total 55	C 45	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 55	C 45	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 50	C 40	Mg 1	N 4	O 5	0
22	A	1	Total 56	C 46	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 60	C 50	Mg 1	N 4	O 5	0
22	A	1	Total 51	C 41	Mg 1	N 4	O 5	0
22	A	1	Total 56	C 46	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 55	C 45	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 57	C 47	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 59	C 49	Mg 1	N 4	O 5	0
22	B	1	Total 60	C 50	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	B	1	Total 46	C 36	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 55	C 45	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 51	C 41	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 47	C 37	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	B	1	Total 58	C 48	Mg 1	N 4	O 5	0
22	B	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	F	1	Total 61	C 51	Mg 1	N 4	O 5	0
22	F	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	F	1	Total 41	C 33	Mg 1	N 4	O 3	0

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Mol	Chain	Residues	Atoms					AltConf
22	J	1	Total 42	C 34	Mg 1	N 4	O 3	0
22	K	1	Total 55	C 45	Mg 1	N 4	O 5	0
22	K	1	Total 42	C 34	Mg 1	N 4	O 3	0
22	L	1	Total 57	C 47	Mg 1	N 4	O 5	0
22	L	1	Total 61	C 51	Mg 1	N 4	O 5	0
22	L	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	O	1	Total 46	C 36	Mg 1	N 4	O 5	0
22	O	1	Total 41	C 33	Mg 1	N 4	O 3	0
22	O	1	Total 50	C 40	Mg 1	N 4	O 5	0
22	O	1	Total 58	C 48	Mg 1	N 4	O 5	0
22	Z	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	Z	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	1	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	1	1	Total 65	C 55	Mg 1	N 4	O 5	0
22	1	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	1	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	1	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	1	1	Total 55	C 45	Mg 1	N 4	O 5	0
22	1	1	Total 42	C 34	Mg 1	N 4	O 3	0
22	1	1	Total 45	C 35	Mg 1	N 4	O 5	0
22	1	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
22	2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	2	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
22	2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	2	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	2	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	2	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
22	2	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
22	2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	3	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
22	4	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
22	4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
22	5	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
22	5	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
22	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
22	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
22	6	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
22	6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	6	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
22	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	7	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	7	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	7	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
22	7	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
22	7	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
22	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
22	7	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

- Molecule 23 is Coenzyme Q4 (CCD ID: A1L64) (formula: $C_{29}H_{42}O_4$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			AltConf
23	A	1	Total 33	C 29	O 4	0
23	B	1	Total 33	C 29	O 4	0

- Molecule 24 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: C₃₈H₇₅O₁₀P) (labeled as "Ligand of Interest" by depositor).



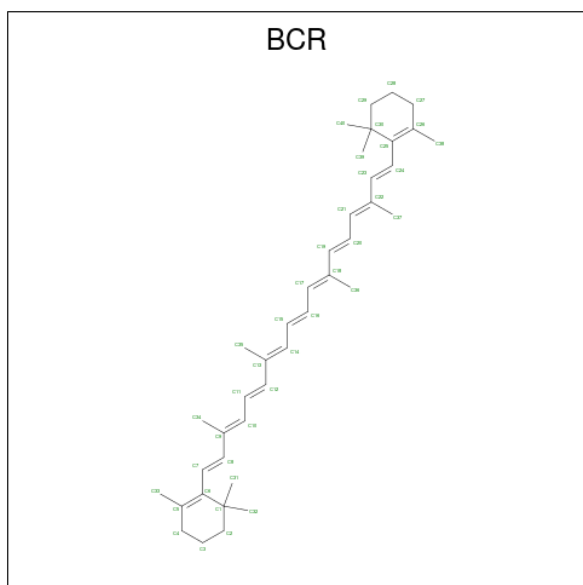
Mol	Chain	Residues	Atoms				AltConf
24	A	1	Total	C	O	P	0
			49	38	10	1	

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Mol	Chain	Residues	Atoms				AltConf
24	A	1	Total	C	O	P	0
			40	29	10	1	
24	A	1	Total	C	O	P	0
			33	22	10	1	
24	B	1	Total	C	O	P	0
			33	22	10	1	
24	J	1	Total	C	O	P	0
			33	22	10	1	
24	1	1	Total	C	O	P	0
			49	38	10	1	
24	2	1	Total	C	O	P	0
			32	21	10	1	
24	4	1	Total	C	O	P	0
			32	21	10	1	
24	5	1	Total	C	O	P	0
			25	14	10	1	
24	6	1	Total	C	O	P	0
			32	21	10	1	

- Molecule 25 is BETA-CAROTENE (CCD ID: BCR) (formula: $C_{40}H_{56}$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms		AltConf
25	A	1	Total	C	0
			40	40	
25	A	1	Total	C	0
			40	40	

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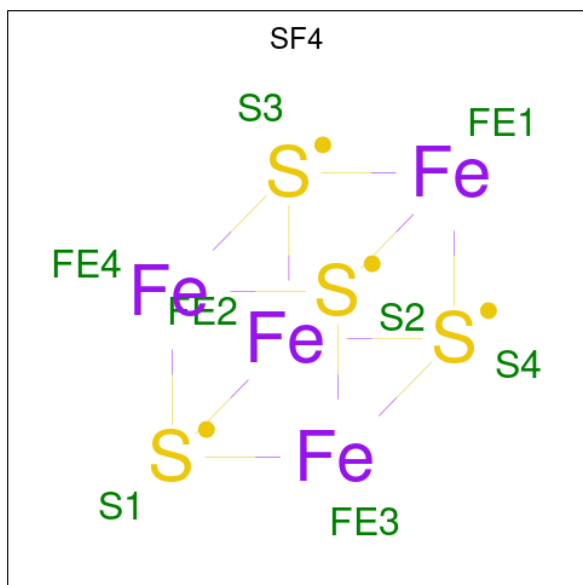
Mol	Chain	Residues	Atoms	AltConf
25	A	1	Total C 40 40	0
25	A	1	Total C 40 40	0
25	A	1	Total C 40 40	0
25	A	1	Total C 40 40	0
25	B	1	Total C 40 40	0
25	B	1	Total C 40 40	0
25	B	1	Total C 40 40	0
25	B	1	Total C 40 40	0
25	F	1	Total C 40 40	0
25	F	1	Total C 40 40	0
25	I	1	Total C 40 40	0
25	J	1	Total C 40 40	0
25	K	1	Total C 40 40	0
25	L	1	Total C 40 40	0
25	L	1	Total C 40 40	0
25	L	1	Total C 40 40	0
25	Z	1	Total C 40 40	0
25	Z	1	Total C 40 40	0
25	1	1	Total C 40 40	0
25	2	1	Total C 40 40	0
25	4	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms		AltConf
25	5	1	Total	C	0
			40	40	

- Molecule 26 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			AltConf
26	A	1	Total	Fe	S	0
			8	4	4	
26	C	1	Total	Fe	S	0
			8	4	4	
26	C	1	Total	Fe	S	0
			8	4	4	

- Molecule 27 is UNKNOWN LIGAND (CCD ID: UNL) (formula:).

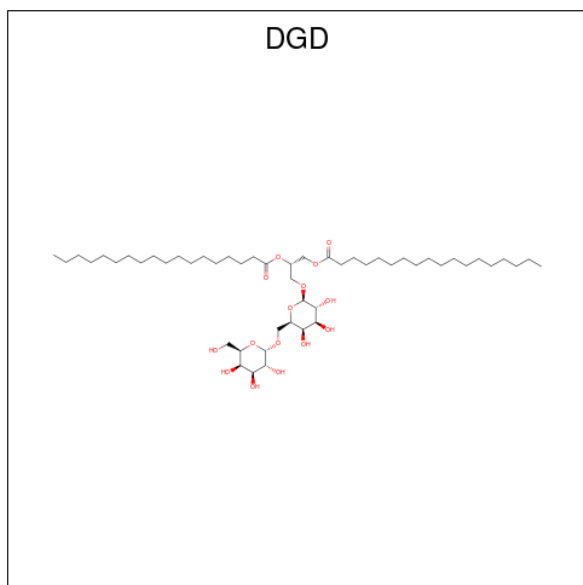
Mol	Chain	Residues	Atoms		AltConf
27	A	10	Total	C	0
			110	110	
27	B	2	Total	C	0
			18	18	
27	F	3	Total	C	0
			35	35	
27	I	2	Total	C	0
			21	21	
27	J	2	Total	C	0
			22	22	

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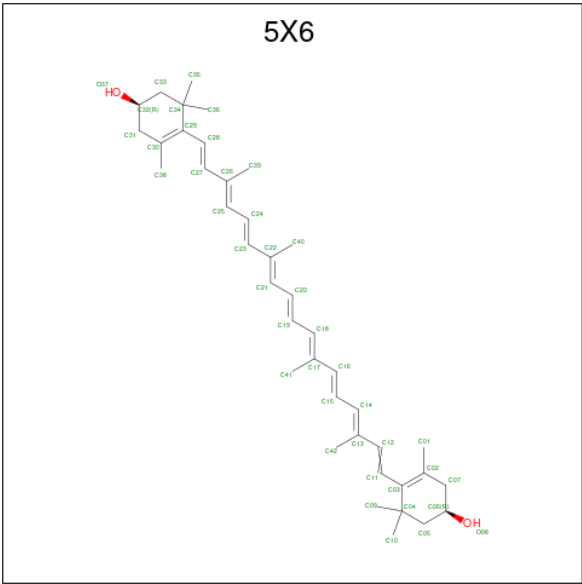
Mol	Chain	Residues	Atoms		AltConf
27	K	1	Total	C	0
			11	11	
27	L	3	Total	C	0
			33	33	
27	M	1	Total	C	0
			9	9	
27	O	3	Total	C	0
			24	24	
27	Z	5	Total	C	0
			45	45	
27	1	3	Total	C	0
			33	33	
27	4	3	Total	C	0
			27	27	
27	5	3	Total	C	0
			27	27	
27	6	7	Total	C	0
			73	73	
27	7	4	Total	C	0
			42	42	

- Molecule 28 is DIGALACTOSYL DIACYL GLYCEROL (DGDG) (CCD ID: DGD) (formula: $C_{51}H_{96}O_{15}$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			AltConf
28	B	1	Total	C	O	0
			66	51	15	

- Molecule 29 is Zeaxanthin (CCD ID: 5X6) (formula: C₄₀H₅₆O₂) (labeled as "Ligand of Interest" by depositor).



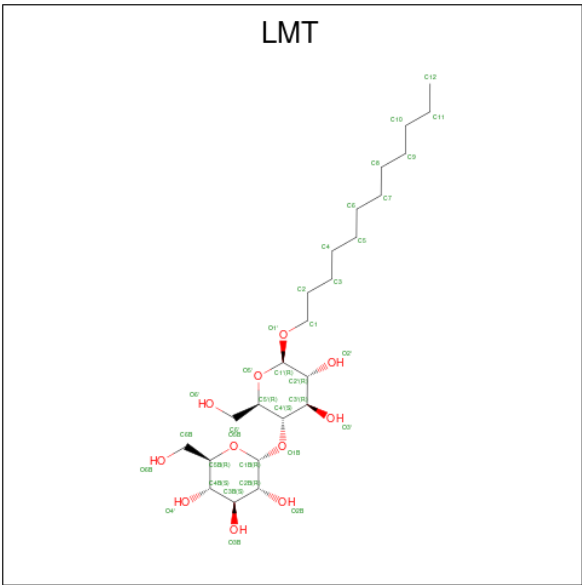
Mol	Chain	Residues	Atoms			AltConf
29	B	1	Total	C	O	0
			42	40	2	
29	J	1	Total	C	O	0
			42	40	2	
29	M	1	Total	C	O	0
			42	40	2	
29	O	1	Total	C	O	0
			42	40	2	
29	O	1	Total	C	O	0
			42	40	2	
29	Z	1	Total	C	O	0
			42	40	2	
29	1	1	Total	C	O	0
			42	40	2	
29	1	1	Total	C	O	0
			42	40	2	
29	1	1	Total	C	O	0
			42	40	2	
29	1	1	Total	C	O	0
			42	40	2	
29	1	1	Total	C	O	0
			42	40	2	
29	2	1	Total	C	O	0
			42	40	2	

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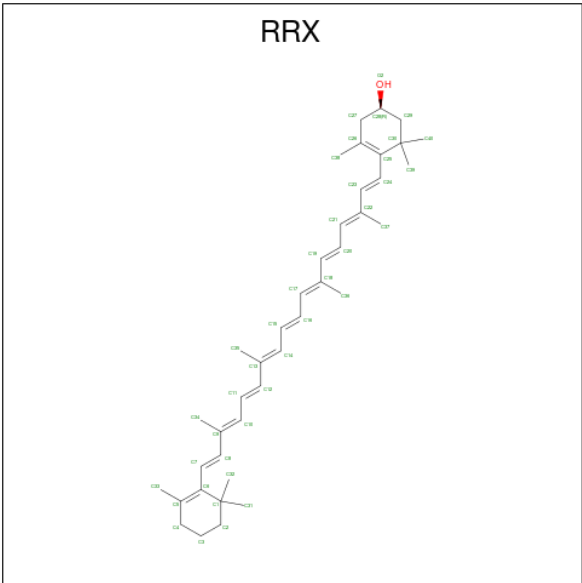
Mol	Chain	Residues	Atoms			AltConf
29	2	1	Total	C	O	0
			42	40	2	
29	2	1	Total	C	O	0
			42	40	2	
29	3	1	Total	C	O	0
			42	40	2	
29	4	1	Total	C	O	0
			42	40	2	
29	4	1	Total	C	O	0
			42	40	2	
29	4	1	Total	C	O	0
			42	40	2	
29	5	1	Total	C	O	0
			42	40	2	
29	5	1	Total	C	O	0
			42	40	2	
29	5	1	Total	C	O	0
			42	40	2	
29	5	1	Total	C	O	0
			42	40	2	
29	6	1	Total	C	O	0
			42	40	2	
29	6	1	Total	C	O	0
			42	40	2	
29	6	1	Total	C	O	0
			42	40	2	
29	7	1	Total	C	O	0
			42	40	2	
29	7	1	Total	C	O	0
			42	40	2	
29	7	1	Total	C	O	0
			42	40	2	
29	7	1	Total	C	O	0
			42	40	2	

- Molecule 30 is DODECYL-BETA-D-MALTOSE (CCD ID: LMT) (formula: C₂₄H₄₆O₁₁).



Mol	Chain	Residues	Atoms			AltConf
30	F	1	Total	C	O	0
			35	24	11	
30	O	1	Total	C	O	0
			35	24	11	
30	4	1	Total	C	O	0
			35	24	11	
30	5	1	Total	C	O	0
			35	24	11	

- Molecule 31 is (3R)-beta,beta-caroten-3-ol (CCD ID: RRX) (formula: C₄₀H₅₆O) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			AltConf
31	1	1	Total	C	O	0
			41	40	1	
31	4	1	Total	C	O	0
			41	40	1	
31	5	1	Total	C	O	0
			41	40	1	
31	6	1	Total	C	O	0
			41	40	1	

- Molecule 32 is water.

Mol	Chain	Residues	Atoms		AltConf
32	A	189	Total	O	0
			189	189	
32	B	220	Total	O	0
			220	220	
32	C	44	Total	O	0
			44	44	
32	D	29	Total	O	0
			29	29	
32	E	18	Total	O	0
			18	18	
32	F	32	Total	O	0
			32	32	
32	I	3	Total	O	0
			3	3	
32	J	5	Total	O	0
			5	5	
32	K	2	Total	O	0
			2	2	
32	L	15	Total	O	0
			15	15	
32	M	3	Total	O	0
			3	3	
32	O	2	Total	O	0
			2	2	
32	Z	5	Total	O	0
			5	5	
32	1	4	Total	O	0
			4	4	
32	2	6	Total	O	0
			6	6	
32	4	10	Total	O	0
			10	10	

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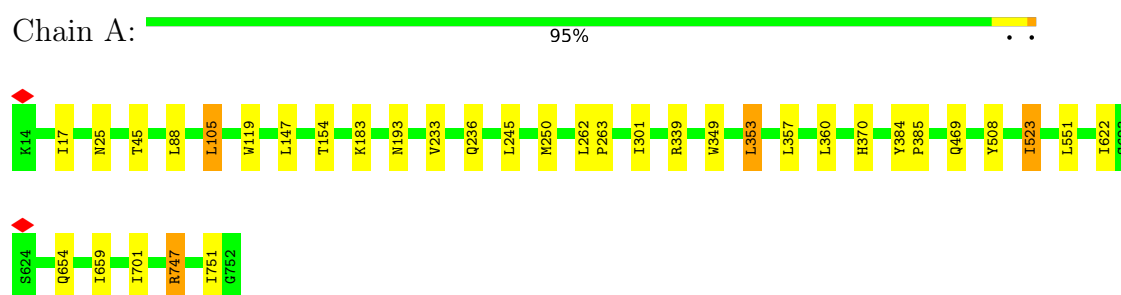
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Mol	Chain	Residues	Atoms		AltConf
32	5	11	Total 11	O 11	0
32	6	10	Total 10	O 10	0

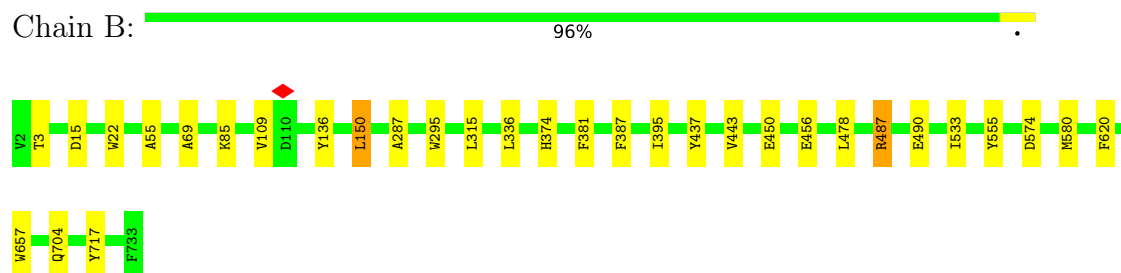
3 Residue-property plots

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.

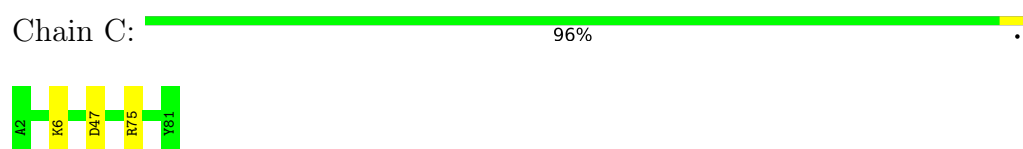
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



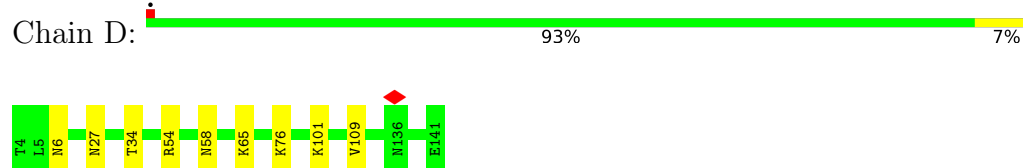
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



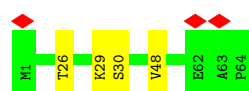
- Molecule 3: Photosystem I iron-sulfur center



- Molecule 4: Photosystem I reaction center subunit II



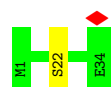
- Molecule 5: Photosystem I subunit IV



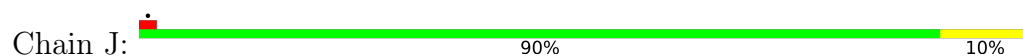
- Molecule 6: Photosystem I reaction center subunit III



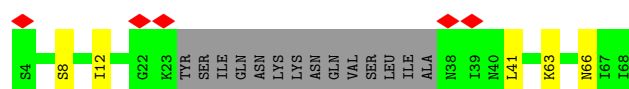
- Molecule 7: Photosystem I reaction center subunit VIII



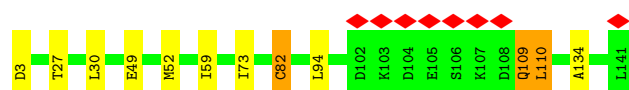
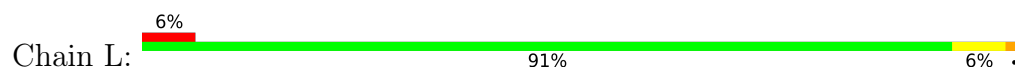
- Molecule 8: Photosystem I reaction center subunit IX



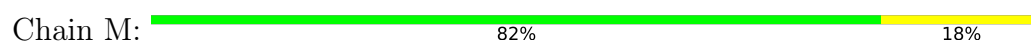
- Molecule 9: PSI-K



- Molecule 10: Photosystem I reaction center subunit XI

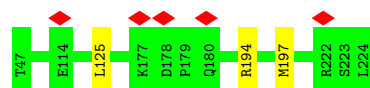


- Molecule 11: Photosystem I reaction center subunit XII

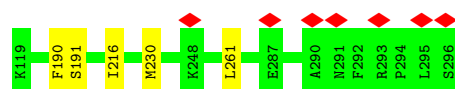




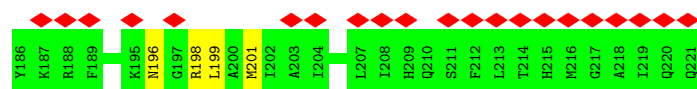
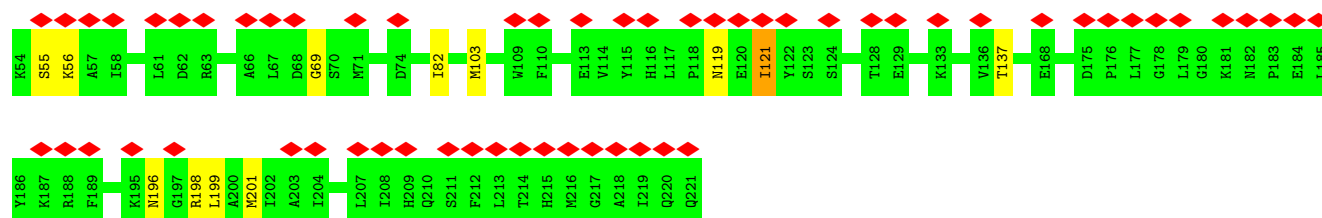
- Molecule 18: Light-harvesting complex protein



- Molecule 19: Light-harvesting complex protein



- Molecule 20: Light-harvesting complex protein



4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of particles used	110313	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	JEOL CRYO ARM 300	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	50	Depositor
Minimum defocus (nm)	1200	Depositor
Maximum defocus (nm)	1800	Depositor
Magnification	60000	Depositor
Image detector	GATAN K3 (6k x 4k)	Depositor
Maximum map value	0.167	Depositor
Minimum map value	-0.057	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.004	Depositor
Recommended contour level	0.011	Depositor
Map size (Å)	240.63998, 240.63998, 240.63998	wwPDB
Map dimensions	320, 320, 320	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	0.752, 0.752, 0.752	Depositor

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: RRX, LHG, SF4, CL0, CLA, DGD, LMT, BCR, 5X6, UNL, A1L64

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	A	0.50	0/6038	0.84	0/8223
2	B	0.50	0/6072	0.85	1/8286 (0.0%)
3	C	0.52	0/610	0.84	0/826
4	D	0.47	0/1128	0.89	0/1521
5	E	0.46	0/525	0.76	0/708
6	F	0.48	0/1314	0.86	0/1771
7	I	0.51	0/281	0.80	0/383
8	J	0.49	0/346	0.84	0/472
9	K	0.48	0/368	0.95	0/497
10	L	0.46	0/1102	0.96	1/1495 (0.1%)
11	M	0.47	0/215	0.91	0/291
12	O	0.50	0/775	0.93	0/1065
13	Z	0.49	0/655	0.87	0/900
14	1	0.46	0/1400	0.93	0/1898
15	2	0.47	0/1316	0.98	0/1779
16	3	0.46	0/784	0.97	0/1053
17	4	0.48	0/1450	0.89	0/1963
18	5	0.48	0/1438	0.89	0/1943
19	6	0.47	0/1500	0.89	0/2033
20	7	0.48	0/1358	0.96	0/1841
All	All	0.49	0/28675	0.88	2/38948 (0.0%)

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
10	L	82	CYS	CB-CA-C	-5.30	102.56	110.88
2	B	15	ASP	CA-CB-CG	5.06	117.66	112.60

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts

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	A	5844	0	5739	14	0
2	B	5859	0	5679	19	0
3	C	600	0	580	1	0
4	D	1103	0	1105	3	0
5	E	516	0	528	0	0
6	F	1285	0	1313	4	0
7	I	273	0	282	1	0
8	J	337	0	358	2	0
9	K	368	0	410	1	0
10	L	1076	0	1087	7	0
11	M	214	0	246	4	0
12	O	748	0	745	4	0
13	Z	637	0	661	2	0
14	1	1370	0	1400	1	0
15	2	1286	0	1298	7	0
16	3	772	0	804	4	0
17	4	1407	0	1414	1	0
18	5	1402	0	1413	1	0
19	6	1450	0	1435	2	0
20	7	1322	0	1328	7	0
21	A	65	0	72	1	0
22	1	472	0	428	7	0
22	2	496	0	417	16	0
22	3	255	0	220	4	0
22	4	572	0	510	11	0
22	5	575	0	516	7	0
22	6	610	0	537	10	0
22	7	517	0	403	15	0
22	A	2546	0	2628	29	0
22	B	2528	0	2657	45	0
22	F	147	0	123	4	0
22	J	42	0	31	1	0
22	K	97	0	80	2	0
22	L	163	0	147	3	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
22	O	195	0	156	3	0
22	Z	110	0	105	5	0
23	A	33	0	0	0	0
23	B	33	0	0	0	0
24	1	49	0	74	0	0
24	2	32	0	34	0	0
24	4	32	0	34	1	0
24	5	25	0	20	0	0
24	6	32	0	34	0	0
24	A	122	0	163	0	0
24	B	33	0	36	0	0
24	J	33	0	36	1	0
25	1	40	0	56	2	0
25	2	40	0	56	0	0
25	4	40	0	56	2	0
25	5	40	0	56	1	0
25	A	240	0	336	11	0
25	B	160	0	224	10	0
25	F	80	0	112	5	0
25	I	40	0	56	1	0
25	J	40	0	56	1	0
25	K	40	0	56	4	0
25	L	120	0	168	3	0
25	Z	80	0	112	4	0
26	A	8	0	0	0	0
26	C	16	0	0	0	0
27	1	33	0	0	0	0
27	4	27	0	0	0	0
27	5	27	0	0	0	0
27	6	73	0	0	0	0
27	7	42	0	0	0	0
27	A	110	0	0	0	0
27	B	18	0	0	0	0
27	F	35	0	0	0	0
27	I	21	0	0	0	0
27	J	22	0	0	0	0
27	K	11	0	0	0	0
27	L	33	0	0	0	0
27	M	9	0	0	0	0
27	O	24	0	0	0	0
27	Z	45	0	0	0	0
28	B	66	0	96	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
29	1	210	0	0	0	0
29	2	126	0	0	0	0
29	3	42	0	0	0	0
29	4	126	0	0	0	0
29	5	168	0	0	0	0
29	6	126	0	0	0	0
29	7	210	0	0	0	0
29	B	42	0	0	0	0
29	J	42	0	0	0	0
29	M	42	0	0	0	0
29	O	84	0	0	0	0
29	Z	42	0	0	0	0
30	4	35	0	46	0	0
30	5	35	0	46	0	0
30	F	35	0	46	0	0
30	O	35	0	46	1	0
31	1	41	0	56	3	0
31	4	41	0	56	6	0
31	5	41	0	56	2	0
31	6	41	0	56	3	0
32	1	4	0	0	0	0
32	2	6	0	0	0	0
32	4	10	0	0	0	0
32	5	11	0	0	0	0
32	6	10	0	0	0	0
32	A	189	0	0	0	0
32	B	220	0	0	1	0
32	C	44	0	0	0	0
32	D	29	0	0	0	0
32	E	18	0	0	0	0
32	F	32	0	0	0	0
32	I	3	0	0	0	0
32	J	5	0	0	0	0
32	K	2	0	0	0	0
32	L	15	0	0	0	0
32	M	3	0	0	0	0
32	O	2	0	0	0	0
32	Z	5	0	0	0	0
All	All	41435	0	39134	254	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 3.

All (254) 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)
20:7:56:LYS:CB	22:7:303:CLA:HED1	2.22	0.69
20:7:56:LYS:HB3	22:7:303:CLA:HED1	1.77	0.67
10:L:73:ILE:HD13	14:1:110:TRP:CE3	2.30	0.66
25:B:843:BCR:H311	25:B:843:BCR:HC8	1.79	0.65
22:B:804:CLA:HBD	22:B:804:CLA:HBA1	1.81	0.62
25:A:846:BCR:H382	25:A:846:BCR:H23C	1.83	0.60
15:2:93:LEU:HD22	22:2:305:CLA:HBC2	1.83	0.59
22:B:850:CLA:HHC	22:B:850:CLA:HBB1	1.85	0.59
22:L:203:CLA:HHC	22:L:203:CLA:HBB1	1.84	0.59
22:A:830:CLA:H41	10:L:30:LEU:HD23	1.86	0.58
22:B:838:CLA:HHC	22:B:838:CLA:HBB1	1.85	0.58
25:F:201:BCR:H331	25:F:201:BCR:C8	2.35	0.56
22:A:830:CLA:H42	10:L:27:THR:HG23	1.86	0.56
22:B:801:CLA:H3A	22:B:801:CLA:CGA	2.36	0.56
22:F:206:CLA:HHC	22:F:206:CLA:HBB1	1.88	0.56
22:A:816:CLA:HHC	22:A:816:CLA:HBB1	1.88	0.56
15:2:180:LEU:HD21	22:2:310:CLA:HBC3	1.88	0.55
22:A:808:CLA:HHC	22:A:808:CLA:HBB1	1.87	0.55
25:A:861:BCR:H331	25:A:861:BCR:C8	2.37	0.55
13:Z:60:PRO:O	13:Z:62:THR:N	2.36	0.54
25:Z:205:BCR:H383	25:Z:205:BCR:H23C	1.90	0.54
2:B:533:ILE:HG12	22:B:801:CLA:HMD3	1.90	0.53
25:F:201:BCR:H383	25:F:201:BCR:H23C	1.90	0.53
22:K:102:CLA:HHC	22:K:102:CLA:HBB1	1.90	0.53
22:B:822:CLA:HHC	22:B:839:CLA:HED1	1.90	0.53
25:A:843:BCR:H23C	25:A:843:BCR:H403	1.90	0.53
2:B:55:ALA:CB	2:B:150:LEU:HD13	2.39	0.53
22:B:812:CLA:HHC	22:B:812:CLA:HBB1	1.91	0.53
20:7:56:LYS:HB2	22:7:303:CLA:HED1	1.89	0.53
20:7:199:LEU:HD21	22:7:311:CLA:HBC3	1.90	0.53
22:A:814:CLA:HHC	22:A:814:CLA:HBB1	1.89	0.53
22:B:806:CLA:H102	22:B:806:CLA:H171	1.91	0.53
22:6:307:CLA:HBB1	22:6:307:CLA:HHC	1.90	0.53
22:6:312:CLA:HHC	22:6:312:CLA:HBB1	1.91	0.53
25:B:841:BCR:H311	25:B:841:BCR:HC8	1.90	0.52
22:4:310:CLA:HHC	22:4:310:CLA:HBB1	1.90	0.52
22:B:825:CLA:H43	22:B:833:CLA:HBB2	1.90	0.52
22:B:833:CLA:HHC	22:B:833:CLA:HBB1	1.91	0.52
22:A:837:CLA:HHC	22:A:837:CLA:HBB1	1.91	0.52
25:A:861:BCR:H383	25:A:861:BCR:H23C	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
25:B:842:BCR:H382	25:B:842:BCR:H23C	1.91	0.52
31:5:322:RRX:H17	31:5:322:RRX:H21	1.92	0.52
22:B:817:CLA:HHC	22:B:817:CLA:HBB1	1.92	0.52
22:6:303:CLA:HHC	22:6:303:CLA:HBB1	1.91	0.52
2:B:450:GLU:OE2	6:F:80:ARG:NH2	2.40	0.52
22:O:205:CLA:HHC	22:O:205:CLA:HBB1	1.91	0.52
15:2:72:MET:HE3	15:2:77:LEU:HD21	1.90	0.52
22:1:309:CLA:HHC	22:1:309:CLA:HBB1	1.92	0.51
22:2:302:CLA:HBC2	16:3:152:ILE:HD11	1.91	0.51
31:5:322:RRX:H17	31:5:322:RRX:C23	2.40	0.51
22:A:822:CLA:HHC	22:A:822:CLA:HBB1	1.92	0.51
22:A:833:CLA:HHC	22:A:833:CLA:HBB1	1.92	0.51
22:6:308:CLA:HHC	22:6:308:CLA:HBB1	1.92	0.51
22:4:311:CLA:CBB	31:4:317:RRX:H29	2.41	0.51
1:A:659:ILE:HD11	2:B:620:PHE:CD2	2.46	0.51
25:J:103:BCR:C8	25:J:103:BCR:H331	2.41	0.50
22:5:309:CLA:HHC	22:5:309:CLA:HBB1	1.93	0.50
1:A:353:LEU:HD22	1:A:357:LEU:HG	1.92	0.50
22:1:302:CLA:HHC	22:1:302:CLA:HBB1	1.93	0.50
22:B:802:CLA:HAA2	22:B:802:CLA:HBD	1.93	0.50
25:L:202:BCR:H383	25:L:202:BCR:H23C	1.93	0.50
22:5:301:CLA:HHC	22:5:301:CLA:HBB1	1.93	0.50
22:5:308:CLA:HHC	22:5:308:CLA:HBB1	1.92	0.50
2:B:295:TRP:HA	16:3:158:LYS:HD2	1.93	0.50
31:1:315:RRX:H46	31:1:315:RRX:H51	1.93	0.50
15:2:97:THR:HG21	22:2:305:CLA:HBC3	1.94	0.50
22:A:838:CLA:HHC	22:A:838:CLA:HBB1	1.93	0.50
22:B:811:CLA:H43	22:B:812:CLA:C4C	2.42	0.50
22:J:102:CLA:HHC	22:J:102:CLA:HBB1	1.94	0.50
22:B:810:CLA:HHC	22:B:810:CLA:HBB1	1.94	0.50
22:7:310:CLA:HBB1	22:7:310:CLA:HHC	1.94	0.49
25:Z:205:BCR:HC8	25:Z:205:BCR:H331	1.94	0.49
22:B:820:CLA:HHC	22:B:820:CLA:HBB1	1.93	0.49
22:2:309:CLA:HHC	22:2:309:CLA:HBB1	1.95	0.49
25:F:201:BCR:H331	25:F:201:BCR:HC8	1.94	0.49
22:4:309:CLA:HHC	22:4:309:CLA:HBB1	1.95	0.49
22:B:827:CLA:HBD	22:B:827:CLA:HAA1	1.94	0.49
12:O:116:LEU:O	12:O:117:ASP:HB3	2.13	0.49
22:5:305:CLA:HHC	22:5:305:CLA:HBB1	1.95	0.49
2:B:287:ALA:HB2	22:B:819:CLA:HBC2	1.94	0.49
22:A:839:CLA:HHC	22:A:839:CLA:HBB1	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
25:Z:205:BCR:H331	25:Z:205:BCR:C8	2.43	0.49
31:4:317:RRX:H6	24:4:318:LHG:HC41	1.94	0.49
25:K:103:BCR:H382	25:K:103:BCR:H23C	1.95	0.49
22:2:306:CLA:HHC	22:2:306:CLA:HBB1	1.95	0.48
22:2:307:CLA:HHC	22:2:307:CLA:HBB1	1.95	0.48
25:I:102:BCR:H382	25:I:102:BCR:H23C	1.95	0.48
22:7:306:CLA:C1A	22:7:306:CLA:CGA	2.91	0.48
22:A:802:CLA:HAB	22:A:809:CLA:H142	1.94	0.48
22:F:205:CLA:HHC	22:F:205:CLA:HBB1	1.94	0.48
22:2:302:CLA:HHC	22:2:302:CLA:HBB1	1.94	0.48
31:4:317:RRX:C23	31:4:317:RRX:H17	2.42	0.48
22:K:102:CLA:HMC2	25:K:103:BCR:H332	1.96	0.48
31:1:315:RRX:C23	31:1:315:RRX:H17	2.42	0.48
25:F:207:BCR:H23C	25:F:207:BCR:H383	1.95	0.48
22:Z:204:CLA:NC	22:Z:204:CLA:H52	2.29	0.48
22:3:303:CLA:HHC	22:3:303:CLA:HBB1	1.95	0.48
22:7:311:CLA:HHC	22:7:311:CLA:HBB1	1.96	0.48
25:A:846:BCR:H331	25:A:846:BCR:C8	2.43	0.48
1:A:105:LEU:HD11	1:A:154:THR:HA	1.96	0.48
1:A:360:LEU:HD21	22:A:804:CLA:HBB1	1.96	0.48
22:1:308:CLA:HHC	22:1:308:CLA:HBB1	1.96	0.47
22:7:312:CLA:HBB1	22:7:312:CLA:HHC	1.96	0.47
22:6:314:CLA:HHC	22:6:314:CLA:HBB1	1.96	0.47
22:1:305:CLA:HBB1	22:1:305:CLA:HHC	1.97	0.47
22:B:802:CLA:HMB1	22:B:802:CLA:HBB1	1.96	0.47
22:B:834:CLA:HMB1	22:B:834:CLA:HBB1	1.97	0.47
22:3:304:CLA:HHC	22:3:304:CLA:HBB1	1.96	0.47
22:5:304:CLA:CGA	22:5:304:CLA:C1A	2.93	0.47
16:3:147:ALA:O	16:3:148:ILE:HB	2.14	0.47
22:F:205:CLA:HAA2	22:F:205:CLA:HBD	1.97	0.47
22:O:204:CLA:HHC	22:O:204:CLA:HBB1	1.97	0.47
22:3:305:CLA:HHC	22:3:305:CLA:HBB1	1.97	0.47
31:4:317:RRX:H17	31:4:317:RRX:H21	1.97	0.47
22:7:306:CLA:HHC	22:7:306:CLA:HBB1	1.97	0.47
2:B:381:PHE:CE2	2:B:580:MET:HE1	2.50	0.47
22:2:310:CLA:HBB1	22:2:310:CLA:HHC	1.96	0.47
22:A:821:CLA:HHC	22:A:821:CLA:HBB1	1.97	0.47
22:4:305:CLA:C1A	22:4:305:CLA:CGA	2.93	0.46
22:4:306:CLA:HHC	22:4:306:CLA:HBB1	1.96	0.46
13:Z:101:VAL:HG13	13:Z:102:THR:HG23	1.96	0.46
31:6:318:RRX:C23	31:6:318:RRX:H17	2.45	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
22:B:806:CLA:H72	22:B:806:CLA:H41	1.97	0.46
22:B:822:CLA:HBC2	22:B:823:CLA:HBA1	1.96	0.46
22:7:307:CLA:HHC	22:7:307:CLA:HBB1	1.96	0.46
1:A:349:TRP:HB3	22:A:803:CLA:HAC1	1.97	0.46
10:L:59:ILE:HA	10:L:82:CYS:SG	2.56	0.46
22:F:204:CLA:HHC	22:F:204:CLA:HBB1	1.98	0.46
22:2:305:CLA:C1A	22:2:305:CLA:CGA	2.94	0.46
2:B:136:TYR:HB2	11:M:2:ILE:HD11	1.96	0.45
22:B:821:CLA:HHC	22:B:821:CLA:HBB1	1.98	0.45
22:7:313:CLA:HHC	22:7:313:CLA:HBB1	1.97	0.45
22:2:311:CLA:HHC	22:2:311:CLA:HBB1	1.98	0.45
1:A:245:LEU:HD21	22:A:814:CLA:HBC1	1.99	0.45
22:A:809:CLA:HHC	22:A:809:CLA:HBB1	1.97	0.45
25:B:841:BCR:H311	25:B:841:BCR:C8	2.47	0.45
6:F:164:TRP:N	6:F:165:PRO:CD	2.80	0.45
2:B:69:ALA:HB1	11:M:2:ILE:CD1	2.46	0.45
2:B:574:ASP:OD2	32:B:901:HOH:O	2.20	0.45
25:4:316:BCR:H382	25:4:316:BCR:H23C	1.97	0.45
2:B:22:TRP:CG	2:B:704:GLN:HE22	2.34	0.45
22:2:304:CLA:HHC	22:2:304:CLA:HBB1	1.98	0.45
22:B:849:CLA:HBB1	22:B:849:CLA:HMB3	1.99	0.45
17:4:136:LEU:HD22	22:4:307:CLA:CBB	2.46	0.45
22:4:311:CLA:HHC	22:4:311:CLA:HBB1	1.99	0.45
22:6:311:CLA:HMC1	22:6:311:CLA:HBC3	1.99	0.45
20:7:121:ILE:HD12	20:7:137:THR:HG21	1.98	0.45
15:2:42:ARG:CB	22:2:302:CLA:HED1	2.46	0.45
18:5:194:ARG:HA	18:5:197:MET:HE3	1.97	0.45
1:A:508:TYR:HB2	1:A:523:ILE:HG23	1.99	0.44
22:L:205:CLA:HHC	22:L:205:CLA:HBB1	1.98	0.44
22:7:303:CLA:H2A	22:7:303:CLA:HED2	1.98	0.44
22:A:829:CLA:CBB	22:A:837:CLA:CBB	2.95	0.44
25:B:844:BCR:H11C	25:B:844:BCR:H341	1.86	0.44
22:A:817:CLA:CAD	22:A:827:CLA:H41	2.48	0.44
4:D:34:THR:HA	4:D:58:ASN:O	2.18	0.44
22:6:313:CLA:CAB	31:6:318:RRX:H29	2.47	0.44
2:B:717:TYR:CE2	22:B:803:CLA:HED1	2.52	0.44
22:B:812:CLA:H41	22:B:812:CLA:C7	2.48	0.44
22:B:812:CLA:C1A	22:B:812:CLA:CGA	2.96	0.44
15:2:148:ARG:O	15:2:149:GLU:CB	2.66	0.44
1:A:301:ILE:CD1	22:A:816:CLA:HBC2	2.47	0.44
22:5:307:CLA:CGA	22:5:307:CLA:H3A	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
22:A:857:CLA:OBD	22:B:803:CLA:HMB2	2.18	0.44
10:L:49:GLU:HA	10:L:52:MET:HE3	1.99	0.44
11:M:25:ALA:HB2	25:1:301:BCR:H312	2.00	0.44
12:O:58:SER:O	12:O:59:GLU:C	2.61	0.44
22:O:203:CLA:HAA2	22:O:203:CLA:HBD	1.98	0.44
25:Z:205:BCR:H11C	25:Z:205:BCR:H341	1.86	0.44
22:4:312:CLA:HHC	22:4:312:CLA:HBB1	1.99	0.44
22:B:809:CLA:H201	7:I:22:SER:HB2	2.00	0.43
11:M:16:VAL:HB	11:M:17:PRO:HD3	2.00	0.43
22:Z:201:CLA:HAA1	22:Z:201:CLA:HBD	2.00	0.43
22:Z:204:CLA:H12	22:Z:204:CLA:NA	2.33	0.43
1:A:370:HIS:ND1	22:A:816:CLA:OBD	2.50	0.43
22:B:818:CLA:CGA	22:B:818:CLA:H3A	2.49	0.43
22:B:836:CLA:HBB1	22:B:836:CLA:HMB3	1.99	0.43
25:B:844:BCR:H382	25:B:844:BCR:H23C	2.00	0.43
22:A:859:CLA:H142	8:J:21:ALA:HA	2.01	0.43
22:B:812:CLA:H43	22:B:812:CLA:C3B	2.48	0.43
25:B:841:BCR:H383	25:B:841:BCR:H23C	2.00	0.43
15:2:42:ARG:HB3	22:2:302:CLA:HED1	2.00	0.43
22:6:306:CLA:CGA	22:6:306:CLA:C1A	2.97	0.43
25:A:843:BCR:H11C	25:A:843:BCR:H341	1.91	0.43
2:B:395:ILE:HD13	2:B:555:TYR:HA	2.00	0.43
2:B:437:TYR:CD1	22:B:803:CLA:H203	2.53	0.43
22:2:308:CLA:HHC	22:2:308:CLA:HBB1	2.01	0.43
22:A:831:CLA:H12	22:B:837:CLA:H93	2.00	0.42
22:B:808:CLA:HHC	22:B:808:CLA:HBB1	2.01	0.42
22:1:307:CLA:HBA1	22:1:307:CLA:HBD	2.00	0.42
19:6:216:ILE:HG12	22:6:309:CLA:CBB	2.49	0.42
22:1:303:CLA:HHC	22:1:303:CLA:HBB1	2.01	0.42
22:B:835:CLA:H41	22:B:835:CLA:H71	2.00	0.42
24:J:106:LHG:HC5	19:6:230:MET:HB3	2.01	0.42
25:1:301:BCR:H403	25:1:301:BCR:H23C	2.02	0.42
1:A:701:ILE:HD13	22:A:858:CLA:HMD2	2.01	0.42
2:B:374:HIS:HE2	22:B:828:CLA:C1B	2.33	0.42
1:A:654:GLN:HB3	1:A:747:ARG:HD2	2.00	0.42
2:B:487:ARG:NH1	2:B:490:GLU:OE1	2.52	0.42
25:L:206:BCR:H11C	25:L:206:BCR:H341	1.89	0.42
22:B:828:CLA:C4A	22:B:828:CLA:HBA1	2.50	0.42
25:B:842:BCR:H15C	25:B:842:BCR:H351	1.92	0.42
31:1:315:RRX:H51	31:1:315:RRX:C8	2.50	0.42
25:F:207:BCR:H11C	25:F:207:BCR:H341	1.92	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:O:109:GLU:O	12:O:110:TRP:C	2.62	0.42
12:O:116:LEU:O	12:O:117:ASP:CB	2.68	0.42
2:B:387:PHE:CE1	25:B:843:BCR:H373	2.55	0.42
25:K:103:BCR:H24C	25:K:103:BCR:H371	1.88	0.42
22:7:304:CLA:HBB1	22:7:304:CLA:HHC	2.02	0.42
25:A:844:BCR:C40	25:A:844:BCR:H23C	2.50	0.42
2:B:456:GLU:OE2	6:F:98:HIS:ND1	2.53	0.42
3:C:47:ASP:OD2	4:D:65:LYS:NZ	2.51	0.42
22:B:824:CLA:HAA2	22:B:824:CLA:HBD	2.02	0.41
10:L:134:ALA:HB1	22:L:205:CLA:HED1	2.02	0.41
22:B:806:CLA:H43	28:B:845:DGD:HB72	2.00	0.41
2:B:657:TRP:CD2	22:B:803:CLA:HMA2	2.55	0.41
25:5:315:BCR:H382	25:5:315:BCR:H23C	2.01	0.41
20:7:198:ARG:HA	20:7:201:MET:HE3	2.03	0.41
22:A:837:CLA:H202	30:O:201:LMT:H122	2.01	0.41
25:A:861:BCR:H331	25:A:861:BCR:HC8	2.01	0.41
25:K:103:BCR:H331	25:K:103:BCR:C8	2.51	0.41
22:A:859:CLA:H8	8:J:17:VAL:HG22	2.03	0.41
22:B:831:CLA:H11	6:F:172:TYR:CE1	2.56	0.41
25:4:316:BCR:H20C	25:4:316:BCR:H361	1.91	0.41
1:A:262:LEU:N	1:A:263:PRO:CD	2.84	0.41
21:A:801:CL0:H12	22:B:802:CLA:OBD	2.21	0.41
10:L:109:GLN:O	10:L:110:LEU:CB	2.69	0.41
20:7:103:MET:HE1	22:7:309:CLA:CBB	2.51	0.41
1:A:119:TRP:CD2	22:A:807:CLA:HED3	2.56	0.41
25:A:861:BCR:H311	25:A:861:BCR:HC7	1.90	0.41
25:A:862:BCR:H20C	25:A:862:BCR:H361	1.94	0.41
25:B:841:BCR:H331	25:B:841:BCR:HC7	1.79	0.41
22:1:306:CLA:HBB1	22:1:306:CLA:HMB3	2.03	0.41
22:4:309:CLA:HBC2	22:4:310:CLA:HBC3	2.03	0.41
31:4:317:RRX:H56	31:4:317:RRX:H46	2.01	0.41
22:Z:201:CLA:HHC	22:Z:201:CLA:HBB1	2.03	0.41
22:Z:204:CLA:H62	22:4:307:CLA:HAB	2.03	0.41
22:3:301:CLA:HHC	22:3:301:CLA:HBB1	2.03	0.41
22:5:310:CLA:H43	22:6:307:CLA:C4B	2.51	0.41
22:A:815:CLA:CHD	22:A:816:CLA:HBB2	2.51	0.40
25:A:862:BCR:H11C	25:A:862:BCR:H341	1.97	0.40
22:B:808:CLA:HAA1	22:B:808:CLA:HBD	2.02	0.40
31:4:317:RRX:H26	31:4:317:RRX:H22	1.96	0.40
22:A:857:CLA:HAA2	22:A:857:CLA:HBD	2.02	0.40
22:2:302:CLA:HBC2	16:3:152:ILE:CD1	2.49	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
22:4:310:CLA:CBC	22:4:310:CLA:HHD	2.51	0.40
1:A:384:TYR:N	1:A:385:PRO:CD	2.84	0.40
22:B:809:CLA:C17	22:B:838:CLA:H43	2.52	0.40
22:B:813:CLA:H101	22:B:813:CLA:H62	1.94	0.40
4:D:54:ARG:H	4:D:58:ASN:HD21	1.70	0.40
22:7:308:CLA:HHC	22:7:308:CLA:HBB1	2.04	0.40
9:K:8:SER:O	9:K:12:ILE:HG12	2.21	0.40
25:L:201:BCR:H331	25:L:201:BCR:C8	2.52	0.40
31:6:318:RRX:H26	31:6:318:RRX:H22	1.97	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	A	737/739 (100%)	714 (97%)	23 (3%)	0	100	100
2	B	730/732 (100%)	711 (97%)	19 (3%)	0	100	100
3	C	78/80 (98%)	77 (99%)	1 (1%)	0	100	100
4	D	136/138 (99%)	129 (95%)	6 (4%)	1 (1%)	18	19
5	E	62/64 (97%)	58 (94%)	2 (3%)	2 (3%)	3	1
6	F	159/161 (99%)	155 (98%)	4 (2%)	0	100	100
7	I	32/34 (94%)	32 (100%)	0	0	100	100
8	J	40/42 (95%)	39 (98%)	1 (2%)	0	100	100
9	K	47/65 (72%)	45 (96%)	2 (4%)	0	100	100
10	L	137/139 (99%)	132 (96%)	3 (2%)	2 (2%)	8	6
11	M	26/28 (93%)	26 (100%)	0	0	100	100
12	O	93/95 (98%)	87 (94%)	3 (3%)	3 (3%)	3	1
13	Z	82/84 (98%)	79 (96%)	1 (1%)	2 (2%)	4	3

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
14	1	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
15	2	160/162 (99%)	156 (98%)	3 (2%)	1 (1%)	21	23
16	3	93/131 (71%)	89 (96%)	3 (3%)	1 (1%)	11	10
17	4	176/178 (99%)	171 (97%)	5 (3%)	0	100	100
18	5	176/178 (99%)	169 (96%)	7 (4%)	0	100	100
19	6	176/178 (99%)	168 (96%)	6 (3%)	2 (1%)	11	10
20	7	166/168 (99%)	156 (94%)	8 (5%)	2 (1%)	10	8
All	All	3481/3573 (97%)	3364 (97%)	101 (3%)	16 (0%)	26	27

All (16) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
10	L	110	LEU
15	2	149	GLU
4	D	6	ASN
5	E	29	LYS
12	O	59	GLU
12	O	117	ASP
16	3	148	ILE
20	7	55	SER
19	6	191	SER
20	7	69	GLY
5	E	30	SER
10	L	109	GLN
13	Z	60	PRO
19	6	190	PHE
13	Z	97	SER
12	O	110	TRP

5.3.2 Protein sidechains ⓘ

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	A	610/610 (100%)	591 (97%)	19 (3%)	35	48
2	B	599/599 (100%)	590 (98%)	9 (2%)	57	73
3	C	67/67 (100%)	65 (97%)	2 (3%)	36	49
4	D	120/120 (100%)	116 (97%)	4 (3%)	33	45
5	E	57/57 (100%)	55 (96%)	2 (4%)	32	43
6	F	142/142 (100%)	136 (96%)	6 (4%)	26	36
7	I	31/31 (100%)	31 (100%)	0	100	100
8	J	36/36 (100%)	34 (94%)	2 (6%)	19	24
9	K	44/57 (77%)	41 (93%)	3 (7%)	14	17
10	L	115/115 (100%)	113 (98%)	2 (2%)	53	69
11	M	24/24 (100%)	23 (96%)	1 (4%)	26	36
12	O	81/81 (100%)	80 (99%)	1 (1%)	63	78
13	Z	73/73 (100%)	71 (97%)	2 (3%)	39	53
14	1	142/142 (100%)	139 (98%)	3 (2%)	47	63
15	2	136/136 (100%)	132 (97%)	4 (3%)	37	51
16	3	81/109 (74%)	78 (96%)	3 (4%)	30	41
17	4	149/149 (100%)	141 (95%)	8 (5%)	20	25
18	5	151/151 (100%)	150 (99%)	1 (1%)	76	87
19	6	152/152 (100%)	151 (99%)	1 (1%)	76	87
20	7	143/143 (100%)	139 (97%)	4 (3%)	38	52
All	All	2953/2994 (99%)	2876 (97%)	77 (3%)	41	55

All (77) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	17	ILE
1	A	25	ASN
1	A	45	THR
1	A	88	LEU
1	A	105	LEU
1	A	147	LEU
1	A	183	LYS
1	A	193	ASN
1	A	233	VAL
1	A	236	GLN
1	A	250	MET

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Mol	Chain	Res	Type
1	A	339	ARG
1	A	353	LEU
1	A	469	GLN
1	A	523	ILE
1	A	551	LEU
1	A	622	ILE
1	A	747	ARG
1	A	751	ILE
2	B	3	THR
2	B	85	LYS
2	B	109	VAL
2	B	150	LEU
2	B	315	LEU
2	B	336	LEU
2	B	443	VAL
2	B	478	LEU
2	B	487	ARG
3	C	6	LYS
3	C	75	ARG
4	D	27	ASN
4	D	76	LYS
4	D	101	LYS
4	D	109	VAL
5	E	26	THR
5	E	48	VAL
6	F	32	ASN
6	F	117	LEU
6	F	153	LEU
6	F	169	LEU
6	F	179	MET
6	F	189	ARG
8	J	29	GLU
8	J	38	LEU
9	K	41	LEU
9	K	63	LYS
9	K	66	ASN
10	L	3	ASP
10	L	94	LEU
11	M	22	LEU
12	O	149	VAL
13	Z	60	PRO
13	Z	99	LEU

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Mol	Chain	Res	Type
14	1	104	VAL
14	1	130	LEU
14	1	182	LEU
15	2	93	LEU
15	2	123	GLU
15	2	139	THR
15	2	193	LEU
16	3	136	ILE
16	3	154	ILE
16	3	162	GLN
17	4	55	ARG
17	4	57	ASP
17	4	82	GLU
17	4	113	ASN
17	4	132	LEU
17	4	171	LYS
17	4	183	LEU
17	4	197	LEU
18	5	125	LEU
19	6	261	LEU
20	7	82	ILE
20	7	119	ASN
20	7	121	ILE
20	7	196	ASN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (41) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	110	ASN
1	A	258	ASN
1	A	315	ASN
1	A	469	GLN
1	A	644	ASN
1	A	715	GLN
2	B	80	ASN
2	B	171	ASN
2	B	205	GLN
2	B	294	ASN
2	B	402	GLN
2	B	585	ASN
2	B	607	ASN
3	C	16	GLN

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Mol	Chain	Res	Type
4	D	58	ASN
4	D	96	GLN
4	D	138	GLN
6	F	32	ASN
6	F	43	ASN
10	L	70	ASN
12	O	106	ASN
13	Z	94	ASN
15	2	98	GLN
15	2	112	HIS
15	2	191	GLN
17	4	81	GLN
17	4	122	GLN
17	4	149	HIS
17	4	174	GLN
17	4	219	HIS
18	5	106	GLN
18	5	192	ASN
19	6	166	HIS
19	6	180	GLN
19	6	199	HIS
19	6	263	ASN
20	7	81	ASN
20	7	142	GLN
20	7	196	ASN
20	7	215	HIS
20	7	221	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

Of 298 ligands modelled in this entry, 52 are unknown - leaving 246 for Mogul analysis.

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$
25	BCR	L	202	-	41,41,41	1.32	6 (14%)	56,56,56	1.46	10 (17%)
22	CLA	B	825	32	69,73,73	1.86	18 (26%)	82,113,113	2.67	30 (36%)
22	CLA	6	311	24	45,49,73	2.47	20 (44%)	54,84,113	3.14	30 (55%)
22	CLA	A	834	1	64,68,73	2.07	19 (29%)	76,107,113	2.73	31 (40%)
22	CLA	2	311	15	49,53,73	2.46	19 (38%)	58,89,113	3.01	28 (48%)
25	BCR	I	102	-	41,41,41	1.35	8 (19%)	56,56,56	1.31	8 (14%)
22	CLA	B	813	2	69,73,73	1.89	21 (30%)	82,113,113	2.62	28 (34%)
29	5X6	6	316	-	43,43,43	2.53	18 (41%)	56,60,60	4.01	31 (55%)
22	CLA	4	302	17	49,53,73	2.43	20 (40%)	58,89,113	2.93	27 (46%)
22	CLA	6	307	19	69,73,73	2.02	21 (30%)	82,113,113	2.58	30 (36%)
22	CLA	B	834	2	55,59,73	2.09	19 (34%)	64,96,113	2.84	29 (45%)
22	CLA	A	804	1	69,73,73	1.92	20 (28%)	82,113,113	2.54	29 (35%)
22	CLA	B	836	2	51,55,73	2.09	20 (39%)	60,91,113	3.11	28 (46%)
22	CLA	L	203	10	61,65,73	2.17	20 (32%)	72,103,113	2.74	30 (41%)
29	5X6	4	315	-	43,43,43	2.53	18 (41%)	56,60,60	4.27	31 (55%)
22	CLA	5	302	18	69,73,73	1.98	20 (28%)	82,113,113	2.65	32 (39%)
29	5X6	5	312	-	43,43,43	2.47	17 (39%)	56,60,60	4.18	30 (53%)
22	CLA	B	804	2	69,73,73	1.90	19 (27%)	82,113,113	2.81	32 (39%)
29	5X6	2	313	-	43,43,43	2.56	19 (44%)	56,60,60	3.98	27 (48%)
22	CLA	A	823	32	69,73,73	1.90	20 (28%)	82,113,113	2.57	28 (34%)
30	LMT	4	319	-	36,36,36	0.20	0	47,47,47	0.41	0
25	BCR	5	315	-	41,41,41	1.36	8 (19%)	56,56,56	1.37	10 (17%)
22	CLA	A	812	1	69,73,73	1.90	19 (27%)	82,113,113	2.53	26 (31%)
30	LMT	5	320	-	36,36,36	0.18	0	47,47,47	0.44	0
22	CLA	4	310	17	46,50,73	2.36	18 (39%)	53,85,113	3.35	30 (56%)
22	CLA	2	308	15	59,63,73	2.26	20 (33%)	70,101,113	2.84	31 (44%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
22	CLA	B	837	32	69,73,73	1.85	20 (28%)	82,113,113	2.55	28 (34%)
22	CLA	6	303	19	49,53,73	2.38	21 (42%)	58,89,113	2.93	26 (44%)
29	5X6	7	316	-	43,43,43	2.51	19 (44%)	56,60,60	4.37	29 (51%)
25	BCR	L	201	-	41,41,41	1.36	6 (14%)	56,56,56	1.35	8 (14%)
22	CLA	6	310	19	59,63,73	2.19	20 (33%)	70,101,113	2.78	31 (44%)
29	5X6	4	313	-	43,43,43	2.52	18 (41%)	56,60,60	4.02	27 (48%)
22	CLA	A	808	1	59,63,73	2.05	17 (28%)	70,101,113	2.82	33 (47%)
25	BCR	A	844	-	41,41,41	1.39	7 (17%)	56,56,56	1.59	13 (23%)
31	RRX	6	318	-	42,42,42	1.31	8 (19%)	56,58,58	1.37	10 (17%)
22	CLA	A	835	1	55,59,73	2.06	19 (34%)	64,96,113	2.93	31 (48%)
22	CLA	1	309	14	49,53,73	2.49	21 (42%)	58,89,113	2.97	25 (43%)
22	CLA	A	809	22,1	69,73,73	1.87	18 (26%)	82,113,113	2.73	34 (41%)
22	CLA	B	805	2	69,73,73	1.86	19 (27%)	82,113,113	2.72	36 (43%)
22	CLA	3	304	16	49,53,73	2.48	20 (40%)	58,89,113	2.98	28 (48%)
22	CLA	4	303	17	69,73,73	1.99	18 (26%)	82,113,113	2.69	31 (37%)
22	CLA	B	821	2	50,54,73	2.28	18 (36%)	59,90,113	3.00	26 (44%)
25	BCR	B	841	-	41,41,41	1.35	9 (21%)	56,56,56	1.44	10 (17%)
22	CLA	6	313	19	49,53,73	2.44	20 (40%)	58,89,113	3.00	27 (46%)
22	CLA	7	306	20	59,63,73	2.26	21 (35%)	70,101,113	2.91	29 (41%)
29	5X6	1	313	-	43,43,43	2.45	19 (44%)	56,60,60	4.26	29 (51%)
22	CLA	B	824	32	69,73,73	1.87	19 (27%)	82,113,113	2.56	28 (34%)
29	5X6	4	314	-	43,43,43	2.54	19 (44%)	56,60,60	3.95	32 (57%)
22	CLA	A	826	1	69,73,73	1.83	19 (27%)	82,113,113	2.60	29 (35%)
22	CLA	2	307	15	49,53,73	2.48	21 (42%)	58,89,113	3.01	27 (46%)
22	CLA	4	306	17	49,53,73	2.46	20 (40%)	58,89,113	2.98	29 (50%)
22	CLA	A	822	1	59,63,73	2.04	20 (33%)	70,101,113	2.72	32 (45%)
22	CLA	B	839	24	69,73,73	1.89	19 (27%)	82,113,113	2.63	29 (35%)
22	CLA	A	810	1	58,62,73	2.07	21 (36%)	68,99,113	2.77	29 (42%)
22	CLA	B	832	2	69,73,73	1.79	19 (27%)	82,113,113	2.75	30 (36%)
22	CLA	F	205	32	49,53,73	2.20	19 (38%)	58,89,113	2.97	27 (46%)
22	CLA	Z	204	13	69,73,73	1.90	21 (30%)	82,113,113	2.69	34 (41%)
22	CLA	B	830	2	69,73,73	1.91	19 (27%)	82,113,113	2.55	30 (36%)
22	CLA	A	817	1	69,73,73	1.88	19 (27%)	82,113,113	2.59	32 (39%)
22	CLA	2	306	15	49,53,73	2.49	21 (42%)	58,89,113	3.03	29 (50%)
22	CLA	4	309	24	69,73,73	2.02	20 (28%)	82,113,113	2.57	30 (36%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
22	CLA	7	311	-	45,49,73	2.51	19 (42%)	54,84,113	3.12	28 (51%)
29	5X6	1	314	-	43,43,43	2.48	18 (41%)	56,60,60	4.42	30 (53%)
24	LHG	A	842	22	39,39,48	0.28	0	42,45,54	0.41	0
22	CLA	1	305	14	49,53,73	2.40	20 (40%)	58,89,113	2.97	28 (48%)
22	CLA	5	307	18	59,63,73	2.17	20 (33%)	70,101,113	2.83	32 (45%)
22	CLA	J	102	8	46,50,73	2.39	19 (41%)	53,85,113	3.01	29 (54%)
29	5X6	5	314	-	43,43,43	2.50	18 (41%)	56,60,60	4.50	28 (50%)
22	CLA	A	838	1	69,73,73	1.84	19 (27%)	82,113,113	2.75	34 (41%)
22	CLA	5	308	24	45,49,73	2.37	21 (46%)	54,84,113	3.11	29 (53%)
22	CLA	7	309	20	59,63,73	2.28	18 (30%)	70,101,113	2.85	31 (44%)
29	5X6	M	101	-	43,43,43	2.35	16 (37%)	56,60,60	4.86	33 (58%)
22	CLA	B	803	2	69,73,73	1.77	18 (26%)	82,113,113	2.65	37 (45%)
31	RRX	4	317	-	42,42,42	1.29	8 (19%)	56,58,58	1.32	7 (12%)
24	LHG	J	106	-	32,32,48	0.32	0	35,38,54	0.51	0
22	CLA	A	807	1	69,73,73	1.84	20 (28%)	82,113,113	2.62	30 (36%)
25	BCR	F	207	-	41,41,41	1.36	7 (17%)	56,56,56	1.39	9 (16%)
21	CL0	A	801	1	58,73,73	2.75	17 (29%)	60,113,113	2.52	21 (35%)
22	CLA	B	814	2	61,65,73	2.00	19 (31%)	72,103,113	2.73	29 (40%)
22	CLA	2	309	24	45,49,73	2.49	20 (44%)	54,84,113	3.09	29 (53%)
22	CLA	1	302	32	69,73,73	1.97	21 (30%)	82,113,113	2.61	32 (39%)
25	BCR	B	844	-	41,41,41	1.32	5 (12%)	56,56,56	1.65	11 (19%)
25	BCR	1	301	-	41,41,41	1.30	8 (19%)	56,56,56	1.34	10 (17%)
25	BCR	K	103	-	41,41,41	1.35	6 (14%)	56,56,56	1.62	9 (16%)
22	CLA	4	311	17	49,53,73	2.41	20 (40%)	58,89,113	3.07	27 (46%)
22	CLA	4	304	17	69,73,73	1.97	20 (28%)	82,113,113	2.66	33 (40%)
29	5X6	7	315	-	43,43,43	2.51	17 (39%)	56,60,60	4.17	33 (58%)
22	CLA	F	204	32	65,69,73	1.88	18 (27%)	77,108,113	2.61	29 (37%)
22	CLA	K	101	32	59,63,73	2.19	20 (33%)	70,101,113	2.76	29 (41%)
22	CLA	B	823	2	59,63,73	2.09	19 (32%)	70,101,113	2.78	32 (45%)
23	A1L64	B	840	-	33,33,33	1.05	4 (12%)	42,43,43	1.20	4 (9%)
24	LHG	A	860	-	32,32,48	0.33	0	35,38,54	0.48	0
22	CLA	B	818	2	64,68,73	1.90	17 (26%)	76,107,113	2.71	30 (39%)
22	CLA	7	305	20	49,53,73	2.45	20 (40%)	58,89,113	2.94	29 (50%)
22	CLA	B	822	2	69,73,73	1.87	19 (27%)	82,113,113	2.62	27 (32%)
22	CLA	6	309	19	49,53,73	2.35	19 (38%)	58,89,113	2.89	28 (48%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
22	CLA	A	829	1	54,58,73	2.10	18 (33%)	64,95,113	2.79	32 (50%)
22	CLA	A	832	1	69,73,73	1.90	19 (27%)	82,113,113	2.65	30 (36%)
22	CLA	B	817	2	63,67,73	1.94	19 (30%)	74,105,113	2.74	32 (43%)
24	LHG	6	319	22	31,31,48	0.34	0	34,37,54	0.48	0
22	CLA	A	830	1	60,64,73	2.06	19 (31%)	71,102,113	2.74	29 (40%)
22	CLA	B	829	2	69,73,73	1.81	19 (27%)	82,113,113	2.87	31 (37%)
29	5X6	7	317	-	43,43,43	2.45	17 (39%)	56,60,60	4.78	29 (51%)
22	CLA	A	818	1	69,73,73	1.85	19 (27%)	82,113,113	2.67	31 (37%)
22	CLA	A	805	1	54,58,73	2.21	19 (35%)	64,95,113	2.94	28 (43%)
22	CLA	A	859	1	69,73,73	1.87	20 (28%)	82,113,113	2.80	33 (40%)
30	LMT	O	201	-	36,36,36	0.19	0	47,47,47	0.35	0
22	CLA	B	806	2	69,73,73	1.91	20 (28%)	82,113,113	2.44	29 (35%)
23	A1L64	A	840	-	33,33,33	0.93	2 (6%)	42,43,43	1.06	5 (11%)
31	RRX	5	322	-	42,42,42	1.30	8 (19%)	56,58,58	1.31	7 (12%)
25	BCR	L	206	-	41,41,41	1.33	7 (17%)	56,56,56	1.59	12 (21%)
22	CLA	6	306	19	59,63,73	2.18	20 (33%)	70,101,113	2.95	33 (47%)
22	CLA	1	310	32	69,73,73	2.05	21 (30%)	82,113,113	2.73	34 (41%)
25	BCR	4	316	-	41,41,41	1.36	7 (17%)	56,56,56	1.33	8 (14%)
22	CLA	B	801	-	69,73,73	1.85	16 (23%)	82,113,113	2.43	32 (39%)
25	BCR	A	862	-	41,41,41	1.34	7 (17%)	56,56,56	1.33	10 (17%)
25	BCR	A	846	-	41,41,41	1.33	8 (19%)	56,56,56	1.39	9 (16%)
29	5X6	2	314	-	43,43,43	2.52	18 (41%)	56,60,60	4.40	30 (53%)
22	CLA	A	802	22,1	59,63,73	2.05	19 (32%)	70,101,113	2.79	33 (47%)
22	CLA	B	812	2	59,63,73	2.09	20 (33%)	70,101,113	2.73	31 (44%)
24	LHG	5	316	22	24,24,48	0.35	0	27,30,54	0.52	0
22	CLA	3	303	16	49,53,73	2.47	21 (42%)	58,89,113	2.97	27 (46%)
25	BCR	A	843	-	41,41,41	1.33	8 (19%)	56,56,56	1.48	9 (16%)
29	5X6	J	104	-	43,43,43	2.47	18 (41%)	56,60,60	4.29	27 (48%)
22	CLA	B	827	2	69,73,73	1.81	18 (26%)	82,113,113	2.65	31 (37%)
22	CLA	B	802	32	69,73,73	1.75	19 (27%)	82,113,113	2.64	26 (31%)
25	BCR	B	843	-	41,41,41	1.34	8 (19%)	56,56,56	1.35	9 (16%)
22	CLA	A	816	1	69,73,73	1.84	19 (27%)	82,113,113	2.48	28 (34%)
22	CLA	A	828	1	69,73,73	1.79	16 (23%)	82,113,113	2.64	27 (32%)
22	CLA	B	808	2	69,73,73	1.84	21 (30%)	82,113,113	2.79	34 (41%)
26	SF4	C	101	3	0,12,12	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
25	BCR	2	301	-	41,41,41	1.30	7 (17%)	56,56,56	1.34	6 (10%)
29	5X6	1	311	-	43,43,43	2.43	17 (39%)	56,60,60	4.64	32 (57%)
22	CLA	B	835	2	69,73,73	1.88	18 (26%)	82,113,113	2.77	33 (40%)
22	CLA	A	814	32	49,53,73	2.25	20 (40%)	58,89,113	2.95	28 (48%)
29	5X6	7	314	-	43,43,43	2.59	18 (41%)	56,60,60	4.35	31 (55%)
22	CLA	A	857	32	69,73,73	1.74	18 (26%)	82,113,113	2.66	29 (35%)
22	CLA	A	820	1	69,73,73	1.93	19 (27%)	82,113,113	2.74	32 (39%)
22	CLA	B	828	2	69,73,73	1.77	16 (23%)	82,113,113	2.64	30 (36%)
22	CLA	6	314	19	46,50,73	2.38	20 (43%)	53,85,113	3.09	26 (49%)
22	CLA	7	308	20	49,53,73	2.45	20 (40%)	58,89,113	2.96	26 (44%)
24	LHG	B	846	22	32,32,48	0.30	0	35,38,54	0.44	0
29	5X6	Z	206	-	43,43,43	2.59	20 (46%)	56,60,60	3.62	27 (48%)
25	BCR	Z	205	-	41,41,41	1.32	7 (17%)	56,56,56	1.52	10 (17%)
29	5X6	6	317	-	43,43,43	2.40	20 (46%)	56,60,60	4.27	33 (58%)
24	LHG	1	317	-	48,48,48	0.27	0	51,54,54	0.31	0
22	CLA	B	826	2	69,73,73	1.82	19 (27%)	82,113,113	2.59	32 (39%)
22	CLA	3	302	16	49,53,73	2.45	20 (40%)	58,89,113	3.03	27 (46%)
29	5X6	5	313	-	43,43,43	2.51	19 (44%)	56,60,60	3.83	28 (50%)
22	CLA	A	858	1	69,73,73	1.81	20 (28%)	82,113,113	2.61	34 (41%)
29	5X6	1	312	-	43,43,43	2.47	18 (41%)	56,60,60	4.47	31 (55%)
22	CLA	6	312	19	46,50,73	2.34	19 (41%)	53,85,113	3.13	29 (54%)
22	CLA	A	825	1	69,73,73	1.87	19 (27%)	82,113,113	2.63	28 (34%)
22	CLA	B	811	2	69,73,73	1.99	18 (26%)	82,113,113	2.56	28 (34%)
22	CLA	O	206	32	62,66,73	2.17	20 (32%)	73,104,113	2.75	31 (42%)
22	CLA	3	301	16	69,73,73	2.10	21 (30%)	82,113,113	2.64	29 (35%)
22	CLA	A	813	1	46,50,73	2.30	20 (43%)	53,85,113	3.21	29 (54%)
22	CLA	5	303	18	69,73,73	1.99	20 (28%)	82,113,113	2.57	31 (37%)
24	LHG	A	841	-	48,48,48	0.34	0	51,54,54	0.38	0
24	LHG	2	315	22	31,31,48	0.35	0	34,37,54	0.63	0
22	CLA	2	303	15	62,66,73	2.20	20 (32%)	73,104,113	2.74	32 (43%)
22	CLA	5	310	18	56,60,73	2.27	21 (37%)	65,97,113	2.83	29 (44%)
22	CLA	L	204	10	65,69,73	2.06	20 (30%)	77,108,113	2.70	30 (38%)
22	CLA	A	836	1	60,64,73	2.04	20 (33%)	71,102,113	2.85	33 (46%)
22	CLA	B	838	2	69,73,73	1.77	17 (24%)	82,113,113	2.76	32 (39%)
22	CLA	4	312	17	49,53,73	2.41	20 (40%)	58,89,113	3.06	32 (55%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
22	CLA	B	810	2	69,73,73	1.82	19 (27%)	82,113,113	2.62	31 (37%)
22	CLA	B	833	32	69,73,73	1.90	18 (26%)	82,113,113	2.48	31 (37%)
29	5X6	2	312	-	43,43,43	2.57	18 (41%)	56,60,60	4.37	30 (53%)
22	CLA	5	305	18	49,53,73	2.46	20 (40%)	58,89,113	2.99	28 (48%)
22	CLA	2	305	15	59,63,73	2.26	21 (35%)	70,101,113	2.87	33 (47%)
22	CLA	6	305	19	69,73,73	1.98	21 (30%)	82,113,113	2.58	31 (37%)
22	CLA	A	848	-	69,73,73	1.82	19 (27%)	82,113,113	2.40	29 (35%)
22	CLA	Z	201	32	49,53,73	2.27	17 (34%)	58,89,113	2.93	28 (48%)
22	CLA	B	816	2	69,73,73	1.85	20 (28%)	82,113,113	2.82	33 (40%)
22	CLA	1	308	14	46,50,73	2.44	19 (41%)	53,85,113	3.07	28 (52%)
22	CLA	5	309	18	46,50,73	2.29	19 (41%)	53,85,113	3.10	27 (50%)
30	LMT	F	202	-	36,36,36	0.31	0	47,47,47	0.80	2 (4%)
22	CLA	7	312	-	49,53,73	2.45	20 (40%)	58,89,113	2.99	25 (43%)
22	CLA	A	837	1	69,73,73	1.84	19 (27%)	82,113,113	2.69	29 (35%)
22	CLA	7	303	20	49,53,73	2.46	21 (42%)	58,89,113	3.07	27 (46%)
22	CLA	5	301	18	49,53,73	2.34	21 (42%)	58,89,113	2.89	27 (46%)
29	5X6	3	306	-	43,43,43	2.51	17 (39%)	56,60,60	4.39	31 (55%)
22	CLA	A	821	1	49,53,73	2.17	20 (40%)	58,89,113	3.09	26 (44%)
22	CLA	4	307	17	49,53,73	2.34	21 (42%)	58,89,113	2.79	27 (46%)
29	5X6	7	318	-	43,43,43	2.49	18 (41%)	56,60,60	4.38	31 (55%)
22	CLA	A	819	32	69,73,73	1.95	20 (28%)	82,113,113	2.48	29 (35%)
29	5X6	5	321	-	43,43,43	2.52	18 (41%)	56,60,60	4.23	32 (57%)
22	CLA	A	827	1	69,73,73	1.87	18 (26%)	82,113,113	2.40	27 (32%)
22	CLA	4	308	17	59,63,73	2.20	19 (32%)	70,101,113	2.83	30 (42%)
22	CLA	7	304	20	59,63,73	2.24	20 (33%)	70,101,113	2.79	27 (38%)
22	CLA	A	831	1	69,73,73	1.85	18 (26%)	82,113,113	2.51	27 (32%)
22	CLA	A	824	32	59,63,73	2.00	18 (30%)	70,101,113	2.76	31 (44%)
22	CLA	L	205	32	49,53,73	2.40	20 (40%)	58,89,113	2.93	26 (44%)
25	BCR	A	861	-	41,41,41	1.34	5 (12%)	56,56,56	1.32	7 (12%)
22	CLA	1	307	14	59,63,73	2.26	20 (33%)	70,101,113	2.93	30 (42%)
22	CLA	A	839	32	69,73,73	1.92	19 (27%)	82,113,113	2.54	31 (37%)
22	CLA	B	831	2	69,73,73	1.88	19 (27%)	82,113,113	2.59	30 (36%)
22	CLA	B	850	-	49,53,73	2.42	20 (40%)	58,89,113	3.00	29 (50%)
22	CLA	7	307	20	49,53,73	2.46	21 (42%)	58,89,113	2.99	29 (50%)
22	CLA	1	306	14	49,53,73	2.43	20 (40%)	58,89,113	2.99	30 (51%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
22	CLA	5	304	18	59,63,73	2.20	20 (33%)	70,101,113	2.84	29 (41%)
25	BCR	J	103	-	41,41,41	1.36	8 (19%)	56,56,56	1.65	10 (17%)
29	5X6	O	207	-	43,43,43	2.43	19 (44%)	56,60,60	4.52	30 (53%)
22	CLA	K	102	9	46,50,73	2.30	20 (43%)	53,85,113	3.10	28 (52%)
25	BCR	Z	202	-	41,41,41	1.38	7 (17%)	56,56,56	1.39	9 (16%)
29	5X6	6	315	-	43,43,43	2.50	18 (41%)	56,60,60	4.15	28 (50%)
22	CLA	O	204	-	45,49,73	2.50	20 (44%)	54,84,113	3.10	29 (53%)
25	BCR	A	845	-	41,41,41	1.38	8 (19%)	56,56,56	1.61	10 (17%)
22	CLA	A	833	1	69,73,73	1.95	20 (28%)	82,113,113	2.53	31 (37%)
22	CLA	1	303	14	69,73,73	2.03	19 (27%)	82,113,113	2.60	35 (42%)
22	CLA	F	206	6	45,49,73	2.28	20 (44%)	54,84,113	3.23	31 (57%)
22	CLA	2	310	15	46,50,73	2.46	19 (41%)	53,85,113	3.10	26 (49%)
22	CLA	5	306	18	69,73,73	1.98	20 (28%)	82,113,113	2.48	28 (34%)
26	SF4	A	847	2,1	0,12,12	-	-	-	-	-
22	CLA	5	311	18	49,53,73	2.39	19 (38%)	58,89,113	3.04	29 (50%)
22	CLA	A	803	1	69,73,73	1.88	18 (26%)	82,113,113	2.68	29 (35%)
31	RRX	1	315	-	42,42,42	1.29	7 (16%)	56,58,58	1.40	8 (14%)
25	BCR	F	201	-	41,41,41	1.39	7 (17%)	56,56,56	1.40	8 (14%)
22	CLA	2	304	15	69,73,73	2.08	21 (30%)	82,113,113	2.67	34 (41%)
22	CLA	6	304	19	69,73,73	1.96	20 (28%)	82,113,113	2.60	28 (34%)
29	5X6	B	851	-	43,43,43	2.41	19 (44%)	56,60,60	4.16	32 (57%)
22	CLA	A	815	1	66,70,73	1.93	18 (27%)	78,109,113	2.71	30 (38%)
24	LHG	4	318	22	31,31,48	0.32	0	34,37,54	0.59	0
26	SF4	C	102	3	0,12,12	-	-	-	-	-
29	5X6	O	208	-	43,43,43	2.53	19 (44%)	56,60,60	4.10	31 (55%)
22	CLA	1	304	14	49,53,73	2.36	20 (40%)	58,89,113	2.98	30 (51%)
22	CLA	3	305	16	59,63,73	2.27	20 (33%)	70,101,113	2.82	29 (41%)
29	5X6	1	316	-	43,43,43	2.56	18 (41%)	56,60,60	4.43	32 (57%)
28	DGD	B	845	-	67,67,67	0.86	2 (2%)	81,81,81	0.99	5 (6%)
22	CLA	B	807	2	69,73,73	1.91	18 (26%)	82,113,113	2.60	31 (37%)
22	CLA	B	815	2	69,73,73	1.92	19 (27%)	82,113,113	2.62	36 (43%)
22	CLA	B	809	2	69,73,73	1.85	19 (27%)	82,113,113	2.56	30 (36%)
22	CLA	B	819	32	69,73,73	1.95	19 (27%)	82,113,113	2.46	27 (32%)
22	CLA	B	820	2	49,53,73	2.27	19 (38%)	58,89,113	2.95	30 (51%)
22	CLA	B	849	2	62,66,73	1.99	17 (27%)	73,104,113	2.80	29 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
22	CLA	7	310	-	45,49,73	2.50	20 (44%)	54,84,113	3.13	29 (53%)
22	CLA	O	205	12	54,58,73	2.30	21 (38%)	64,95,113	2.92	32 (50%)
22	CLA	2	302	15	49,53,73	2.45	20 (40%)	58,89,113	3.02	27 (46%)
22	CLA	6	308	19	49,53,73	2.33	18 (36%)	58,89,113	3.01	30 (51%)
25	BCR	B	842	-	41,41,41	1.35	6 (14%)	56,56,56	1.35	8 (14%)
22	CLA	A	806	1	69,73,73	1.84	19 (27%)	82,113,113	2.56	29 (35%)
22	CLA	4	305	32	59,63,73	2.15	21 (35%)	70,101,113	2.85	29 (41%)
22	CLA	O	203	24	50,54,73	2.25	19 (38%)	59,90,113	3.04	30 (50%)
22	CLA	7	313	20	49,53,73	2.48	20 (40%)	58,89,113	3.00	29 (50%)
22	CLA	A	811	1	69,73,73	1.83	19 (27%)	82,113,113	2.55	26 (31%)

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
25	BCR	L	202	-	-	4/29/63/63	0/2/2/2
22	CLA	B	825	32	1/1/15/20	11/39/115/115	-
22	CLA	6	311	24	1/1/10/20	4/10/86/115	-
22	CLA	A	834	1	-	10/33/109/115	-
22	CLA	2	311	15	1/1/11/20	5/15/91/115	-
25	BCR	I	102	-	-	0/29/63/63	0/2/2/2
22	CLA	B	813	2	1/1/15/20	11/39/115/115	-
29	5X6	6	316	-	-	13/29/67/67	0/2/2/2
22	CLA	4	302	17	1/1/11/20	2/15/91/115	-
22	CLA	6	307	19	1/1/15/20	6/39/115/115	-
22	CLA	B	834	2	1/1/12/20	4/23/99/115	-
22	CLA	A	804	1	1/1/15/20	9/39/115/115	-
22	CLA	B	836	2	1/1/11/20	3/18/94/115	-
22	CLA	L	203	10	1/1/13/20	9/30/106/115	-
29	5X6	4	315	-	-	18/29/67/67	0/2/2/2
22	CLA	5	302	18	1/1/15/20	9/39/115/115	-
29	5X6	5	312	-	-	12/29/67/67	0/2/2/2
22	CLA	B	804	2	1/1/15/20	17/39/115/115	-
29	5X6	2	313	-	-	15/29/67/67	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
22	CLA	A	823	32	1/1/15/20	9/39/115/115	-
30	LMT	4	319	-	-	5/21/61/61	0/2/2/2
25	BCR	5	315	-	-	0/29/63/63	0/2/2/2
22	CLA	A	812	1	1/1/15/20	10/39/115/115	-
30	LMT	5	320	-	-	5/21/61/61	0/2/2/2
22	CLA	4	310	17	1/1/10/20	4/12/88/115	-
22	CLA	2	308	15	1/1/13/20	4/27/103/115	-
22	CLA	B	837	32	1/1/15/20	10/39/115/115	-
22	CLA	6	303	19	1/1/11/20	6/15/91/115	-
29	5X6	7	316	-	-	16/29/67/67	0/2/2/2
25	BCR	L	201	-	-	0/29/63/63	0/2/2/2
22	CLA	6	310	19	1/1/13/20	8/27/103/115	-
29	5X6	4	313	-	-	13/29/67/67	0/2/2/2
22	CLA	A	808	1	1/1/13/20	9/27/103/115	-
25	BCR	A	844	-	-	2/29/63/63	0/2/2/2
31	RRX	6	318	-	-	1/29/65/65	0/2/2/2
22	CLA	A	835	1	1/1/12/20	3/23/99/115	-
22	CLA	1	309	14	1/1/11/20	6/15/91/115	-
22	CLA	A	809	22,1	1/1/15/20	7/39/115/115	-
22	CLA	B	805	2	1/1/15/20	10/39/115/115	-
22	CLA	3	304	16	1/1/11/20	2/15/91/115	-
22	CLA	4	303	17	1/1/15/20	13/39/115/115	-
22	CLA	B	821	2	-	3/17/93/115	-
25	BCR	B	841	-	-	0/29/63/63	0/2/2/2
22	CLA	6	313	19	1/1/11/20	6/15/91/115	-
22	CLA	7	306	20	-	12/27/103/115	-
29	5X6	1	313	-	-	16/29/67/67	0/2/2/2
22	CLA	B	824	32	1/1/15/20	6/39/115/115	-
29	5X6	4	314	-	-	14/29/67/67	0/2/2/2
22	CLA	A	826	1	1/1/15/20	7/39/115/115	-
22	CLA	2	307	15	1/1/11/20	0/15/91/115	-
22	CLA	4	306	17	1/1/11/20	6/15/91/115	-
22	CLA	B	839	24	1/1/15/20	3/39/115/115	-
22	CLA	A	822	1	-	3/27/103/115	-
22	CLA	A	810	1	1/1/12/20	5/26/102/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
22	CLA	B	832	2	1/1/15/20	7/39/115/115	-
22	CLA	F	205	32	1/1/11/20	1/15/91/115	-
22	CLA	Z	204	13	1/1/15/20	14/39/115/115	-
22	CLA	2	306	15	1/1/11/20	6/15/91/115	-
22	CLA	A	817	1	1/1/15/20	7/39/115/115	-
22	CLA	B	830	2	-	10/39/115/115	-
22	CLA	4	309	24	1/1/15/20	9/39/115/115	-
22	CLA	7	311	-	1/1/10/20	2/10/86/115	-
29	5X6	1	314	-	-	17/29/67/67	0/2/2/2
24	LHG	A	842	22	-	11/44/44/53	-
22	CLA	1	305	14	1/1/11/20	5/15/91/115	-
22	CLA	5	307	18	1/1/13/20	5/27/103/115	-
22	CLA	J	102	8	1/1/10/20	1/12/88/115	-
29	5X6	5	314	-	-	17/29/67/67	0/2/2/2
22	CLA	A	838	1	1/1/15/20	7/39/115/115	-
22	CLA	5	308	24	1/1/10/20	0/10/86/115	-
22	CLA	7	309	20	1/1/13/20	7/27/103/115	-
29	5X6	M	101	-	-	22/29/67/67	0/2/2/2
22	CLA	B	803	2	1/1/15/20	2/39/115/115	-
31	RRX	4	317	-	-	0/29/65/65	0/2/2/2
24	LHG	J	106	-	-	4/37/37/53	-
22	CLA	A	807	1	-	11/39/115/115	-
25	BCR	F	207	-	-	2/29/63/63	0/2/2/2
21	CL0	A	801	1	3/3/20/25	5/37/135/135	-
22	CLA	B	814	2	1/1/13/20	8/30/106/115	-
22	CLA	2	309	24	1/1/10/20	3/10/86/115	-
22	CLA	1	302	32	1/1/15/20	10/39/115/115	-
25	BCR	B	844	-	-	3/29/63/63	0/2/2/2
25	BCR	1	301	-	-	4/29/63/63	0/2/2/2
25	BCR	K	103	-	-	2/29/63/63	0/2/2/2
22	CLA	4	311	17	1/1/11/20	0/15/91/115	-
22	CLA	4	304	17	1/1/15/20	15/39/115/115	-
29	5X6	7	315	-	-	21/29/67/67	0/2/2/2
22	CLA	F	204	32	1/1/14/20	7/35/111/115	-
22	CLA	K	101	32	1/1/13/20	10/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
22	CLA	B	823	2	1/1/13/20	7/27/103/115	-
23	A1L64	B	840	-	-	5/27/51/51	0/1/1/1
24	LHG	A	860	-	-	12/37/37/53	-
22	CLA	B	818	2	1/1/14/20	4/33/109/115	-
22	CLA	7	305	20	1/1/11/20	4/15/91/115	-
22	CLA	B	822	2	1/1/15/20	10/39/115/115	-
22	CLA	6	309	19	1/1/11/20	0/15/91/115	-
22	CLA	A	829	1	1/1/12/20	3/21/97/115	-
22	CLA	A	832	1	1/1/15/20	10/39/115/115	-
22	CLA	B	817	2	1/1/13/20	10/32/108/115	-
24	LHG	6	319	22	-	15/36/36/53	-
22	CLA	A	830	1	1/1/13/20	4/29/105/115	-
22	CLA	B	829	2	1/1/15/20	12/39/115/115	-
29	5X6	7	317	-	-	22/29/67/67	0/2/2/2
22	CLA	A	818	1	1/1/15/20	11/39/115/115	-
22	CLA	A	805	1	1/1/12/20	3/21/97/115	-
22	CLA	A	859	1	1/1/15/20	19/39/115/115	-
30	LMT	O	201	-	-	5/21/61/61	0/2/2/2
22	CLA	B	806	2	1/1/15/20	12/39/115/115	-
23	A1L64	A	840	-	-	9/27/51/51	0/1/1/1
31	RRX	5	322	-	-	2/29/65/65	0/2/2/2
25	BCR	L	206	-	-	2/29/63/63	0/2/2/2
22	CLA	6	306	19	1/1/13/20	9/27/103/115	-
22	CLA	1	310	32	1/1/15/20	16/39/115/115	-
25	BCR	4	316	-	-	2/29/63/63	0/2/2/2
22	CLA	B	801	-	1/1/15/20	2/39/115/115	-
25	BCR	A	862	-	-	1/29/63/63	0/2/2/2
25	BCR	A	846	-	-	5/29/63/63	0/2/2/2
29	5X6	2	314	-	-	14/29/67/67	0/2/2/2
22	CLA	A	802	22,1	1/1/13/20	7/27/103/115	-
22	CLA	B	812	2	-	8/27/103/115	-
24	LHG	5	316	22	-	3/29/29/53	-
22	CLA	3	303	16	1/1/11/20	5/15/91/115	-
25	BCR	A	843	-	-	3/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	5X6	J	104	-	-	15/29/67/67	0/2/2/2
22	CLA	B	827	2	1/1/15/20	5/39/115/115	-
22	CLA	B	802	32	1/1/15/20	7/39/115/115	-
25	BCR	B	843	-	-	4/29/63/63	0/2/2/2
22	CLA	A	816	1	1/1/15/20	9/39/115/115	-
22	CLA	A	828	1	1/1/15/20	12/39/115/115	-
22	CLA	B	808	2	1/1/15/20	10/39/115/115	-
26	SF4	C	101	3	-	-	0/6/5/5
25	BCR	2	301	-	-	4/29/63/63	0/2/2/2
29	5X6	1	311	-	-	21/29/67/67	0/2/2/2
22	CLA	B	835	2	1/1/15/20	6/39/115/115	-
22	CLA	A	814	32	-	3/15/91/115	-
29	5X6	7	314	-	-	19/29/67/67	0/2/2/2
22	CLA	A	857	32	1/1/15/20	3/39/115/115	-
22	CLA	B	828	2	1/1/15/20	3/39/115/115	-
22	CLA	7	308	20	1/1/11/20	0/15/91/115	-
22	CLA	6	314	19	1/1/10/20	2/12/88/115	-
22	CLA	A	820	1	-	18/39/115/115	-
24	LHG	B	846	22	-	6/37/37/53	-
29	5X6	Z	206	-	-	12/29/67/67	0/2/2/2
25	BCR	Z	205	-	-	2/29/63/63	0/2/2/2
29	5X6	6	317	-	-	15/29/67/67	0/2/2/2
24	LHG	1	317	-	-	17/53/53/53	-
22	CLA	B	826	2	1/1/15/20	1/39/115/115	-
22	CLA	3	302	16	1/1/11/20	4/15/91/115	-
29	5X6	5	313	-	-	15/29/67/67	0/2/2/2
22	CLA	A	858	1	1/1/15/20	7/39/115/115	-
29	5X6	1	312	-	-	15/29/67/67	0/2/2/2
22	CLA	6	312	19	1/1/10/20	5/12/88/115	-
22	CLA	A	825	1	1/1/15/20	6/39/115/115	-
22	CLA	B	811	2	1/1/15/20	15/39/115/115	-
22	CLA	O	206	32	1/1/13/20	13/31/107/115	-
22	CLA	3	301	16	1/1/15/20	8/39/115/115	-
22	CLA	A	813	1	1/1/10/20	4/12/88/115	-
22	CLA	5	303	18	1/1/15/20	13/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
24	LHG	A	841	-	-	17/53/53/53	-
24	LHG	2	315	22	-	17/36/36/53	-
22	CLA	2	303	15	1/1/13/20	7/31/107/115	-
22	CLA	5	310	18	1/1/12/20	5/24/100/115	-
22	CLA	L	204	10	1/1/14/20	10/35/111/115	-
22	CLA	A	836	1	1/1/13/20	3/29/105/115	-
22	CLA	B	838	2	-	11/39/115/115	-
22	CLA	4	312	17	1/1/11/20	3/15/91/115	-
22	CLA	B	810	2	1/1/15/20	4/39/115/115	-
22	CLA	B	833	32	1/1/15/20	5/39/115/115	-
29	5X6	2	312	-	-	18/29/67/67	0/2/2/2
22	CLA	5	305	18	1/1/11/20	7/15/91/115	-
22	CLA	2	305	15	-	8/27/103/115	-
22	CLA	6	305	19	1/1/15/20	9/39/115/115	-
22	CLA	A	848	-	1/1/15/20	7/39/115/115	-
22	CLA	Z	201	32	1/1/11/20	6/15/91/115	-
22	CLA	B	816	2	1/1/15/20	8/39/115/115	-
22	CLA	1	308	14	1/1/10/20	4/12/88/115	-
22	CLA	5	309	18	1/1/10/20	2/12/88/115	-
30	LMT	F	202	-	-	7/21/61/61	0/2/2/2
22	CLA	7	312	-	1/1/11/20	5/15/91/115	-
22	CLA	A	837	1	1/1/15/20	4/39/115/115	-
22	CLA	7	303	20	1/1/11/20	8/15/91/115	-
22	CLA	5	301	18	1/1/11/20	4/15/91/115	-
29	5X6	3	306	-	-	19/29/67/67	0/2/2/2
22	CLA	A	821	1	1/1/11/20	3/15/91/115	-
22	CLA	4	307	17	1/1/11/20	0/15/91/115	-
29	5X6	7	318	-	-	19/29/67/67	0/2/2/2
22	CLA	A	819	32	1/1/15/20	6/39/115/115	-
29	5X6	5	321	-	-	13/29/67/67	0/2/2/2
22	CLA	A	827	1	1/1/15/20	7/39/115/115	-
22	CLA	4	308	17	1/1/13/20	7/27/103/115	-
22	CLA	7	304	20	1/1/13/20	7/27/103/115	-
22	CLA	A	831	1	1/1/15/20	9/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
22	CLA	A	824	32	1/1/13/20	3/27/103/115	-
22	CLA	L	205	32	1/1/11/20	4/15/91/115	-
25	BCR	A	861	-	-	0/29/63/63	0/2/2/2
22	CLA	1	307	14	-	11/27/103/115	-
22	CLA	A	839	32	1/1/15/20	11/39/115/115	-
22	CLA	B	831	2	1/1/15/20	11/39/115/115	-
22	CLA	B	850	-	1/1/11/20	6/15/91/115	-
22	CLA	7	307	20	1/1/11/20	4/15/91/115	-
22	CLA	1	306	14	1/1/11/20	6/15/91/115	-
22	CLA	5	304	18	1/1/13/20	4/27/103/115	-
25	BCR	J	103	-	-	1/29/63/63	0/2/2/2
29	5X6	O	207	-	-	15/29/67/67	0/2/2/2
22	CLA	K	102	9	1/1/10/20	3/12/88/115	-
25	BCR	Z	202	-	-	2/29/63/63	0/2/2/2
29	5X6	6	315	-	-	15/29/67/67	0/2/2/2
22	CLA	O	204	-	1/1/10/20	4/10/86/115	-
25	BCR	A	845	-	-	2/29/63/63	0/2/2/2
22	CLA	A	833	1	1/1/15/20	10/39/115/115	-
22	CLA	1	303	14	1/1/15/20	13/39/115/115	-
22	CLA	F	206	6	1/1/10/20	4/10/86/115	-
22	CLA	2	310	15	1/1/10/20	3/12/88/115	-
22	CLA	5	306	18	1/1/15/20	6/39/115/115	-
26	SF4	A	847	2,1	-	-	0/6/5/5
22	CLA	5	311	18	1/1/11/20	4/15/91/115	-
22	CLA	A	803	1	1/1/15/20	5/39/115/115	-
31	RRX	1	315	-	-	3/29/65/65	0/2/2/2
25	BCR	F	201	-	-	0/29/63/63	0/2/2/2
22	CLA	2	304	15	1/1/15/20	12/39/115/115	-
22	CLA	6	304	19	1/1/15/20	10/39/115/115	-
29	5X6	B	851	-	-	10/29/67/67	0/2/2/2
22	CLA	A	815	1	1/1/14/20	11/36/112/115	-
24	LHG	4	318	22	-	11/36/36/53	-
29	5X6	O	208	-	-	17/29/67/67	0/2/2/2
26	SF4	C	102	3	-	-	0/6/5/5
22	CLA	1	304	14	1/1/11/20	4/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
22	CLA	3	305	16	1/1/13/20	8/27/103/115	-
29	5X6	1	316	-	-	20/29/67/67	0/2/2/2
28	DGD	B	845	-	-	22/55/95/95	0/2/2/2
22	CLA	B	807	2	1/1/15/20	6/39/115/115	-
22	CLA	B	815	2	1/1/15/20	11/39/115/115	-
22	CLA	B	809	2	1/1/15/20	9/39/115/115	-
22	CLA	B	819	32	1/1/15/20	4/39/115/115	-
22	CLA	B	820	2	1/1/11/20	2/15/91/115	-
22	CLA	7	310	-	1/1/10/20	7/10/86/115	-
22	CLA	B	849	2	-	6/31/107/115	-
22	CLA	O	205	12	1/1/12/20	4/21/97/115	-
22	CLA	2	302	15	1/1/11/20	4/15/91/115	-
22	CLA	6	308	19	1/1/11/20	3/15/91/115	-
25	BCR	B	842	-	-	3/29/63/63	0/2/2/2
22	CLA	A	806	1	1/1/15/20	10/39/115/115	-
22	CLA	4	305	32	1/1/13/20	6/27/103/115	-
22	CLA	O	203	24	1/1/11/20	4/17/93/115	-
22	CLA	7	313	20	1/1/11/20	6/15/91/115	-
22	CLA	A	811	1	1/1/15/20	3/39/115/115	-

All (4015) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	A	801	CL0	C1B-C2B	8.92	1.49	1.39
21	A	801	CL0	C3B-C4B	6.81	1.48	1.41
21	A	801	CL0	C1A-CHA	6.71	1.47	1.40
21	A	801	CL0	C3A-C2A	-6.00	1.49	1.54
21	A	801	CL0	C3B-C2B	5.76	1.48	1.40
22	6	311	CLA	C3C-C2C	5.71	1.49	1.36
21	A	801	CL0	C3D-C2D	5.71	1.49	1.39
22	4	303	CLA	CHC-C1C	5.54	1.49	1.38
22	7	306	CLA	C3C-C2C	5.51	1.48	1.36
29	7	314	5X6	C27-C26	5.49	1.57	1.46
22	1	309	CLA	C3C-C2C	5.46	1.48	1.36
22	L	203	CLA	C3C-C2C	5.45	1.48	1.36
29	2	314	5X6	C27-C26	5.43	1.57	1.46
22	7	311	CLA	C3C-C2C	5.43	1.48	1.36
22	3	305	CLA	C3C-C2C	5.42	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	7	309	CLA	C3C-C2C	5.41	1.48	1.36
22	7	304	CLA	CHC-C1C	5.41	1.49	1.38
29	5	314	5X6	C27-C26	5.40	1.57	1.46
29	2	312	5X6	C27-C26	5.40	1.57	1.46
21	A	801	CL0	C1D-C2D	5.39	1.45	1.39
22	7	309	CLA	CHC-C1C	5.38	1.49	1.38
22	3	304	CLA	C3C-C2C	5.37	1.48	1.36
22	2	310	CLA	C3C-C2C	5.37	1.48	1.36
22	1	308	CLA	C3C-C2C	5.37	1.48	1.36
22	2	304	CLA	C3C-C2C	5.36	1.48	1.36
22	2	311	CLA	C3C-C2C	5.36	1.48	1.36
29	6	316	5X6	C27-C26	5.36	1.57	1.46
29	3	306	5X6	C27-C26	5.36	1.57	1.46
29	Z	206	5X6	C12-C13	5.35	1.57	1.46
22	2	308	CLA	C3C-C2C	5.35	1.48	1.36
29	4	315	5X6	C27-C26	5.35	1.57	1.46
22	4	308	CLA	CHC-C1C	5.34	1.49	1.38
22	1	303	CLA	CHC-C1C	5.34	1.49	1.38
22	2	304	CLA	O2D-CGD	5.34	1.46	1.33
22	7	313	CLA	C3C-C2C	5.34	1.48	1.36
22	2	309	CLA	C3C-C2C	5.32	1.48	1.36
22	7	310	CLA	C3C-C2C	5.31	1.48	1.36
29	5	321	5X6	C27-C26	5.31	1.57	1.46
22	J	102	CLA	C3C-C2C	5.31	1.48	1.36
22	K	101	CLA	C3C-C2C	5.31	1.48	1.36
29	7	316	5X6	C27-C26	5.30	1.57	1.46
22	7	308	CLA	C3C-C2C	5.30	1.48	1.36
22	2	307	CLA	C3C-C2C	5.30	1.48	1.36
22	7	307	CLA	C3C-C2C	5.30	1.48	1.36
22	3	302	CLA	C3C-C2C	5.30	1.48	1.36
22	3	301	CLA	CHC-C1C	5.29	1.49	1.38
22	2	306	CLA	C3C-C2C	5.29	1.48	1.36
22	4	311	CLA	C3C-C2C	5.29	1.48	1.36
29	2	313	5X6	C27-C26	5.29	1.57	1.46
22	4	302	CLA	C3C-C2C	5.29	1.48	1.36
22	B	811	CLA	C3C-C2C	5.28	1.48	1.36
22	4	306	CLA	C3C-C2C	5.28	1.48	1.36
22	5	305	CLA	C3C-C2C	5.27	1.48	1.36
22	3	305	CLA	CHC-C1C	5.27	1.49	1.38
22	3	303	CLA	C3C-C2C	5.27	1.48	1.36
22	7	309	CLA	O2D-CGD	5.27	1.46	1.33
22	O	204	CLA	C3C-C2C	5.27	1.48	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	2	303	CLA	C3C-C2C	5.27	1.48	1.36
22	2	305	CLA	C3C-C2C	5.25	1.48	1.36
29	O	208	5X6	C27-C26	5.25	1.57	1.46
22	6	306	CLA	C3C-C2C	5.25	1.48	1.36
22	6	306	CLA	O2D-CGD	5.25	1.46	1.33
22	4	308	CLA	O2D-CGD	5.25	1.46	1.33
29	5	313	5X6	C27-C26	5.25	1.57	1.46
22	L	203	CLA	O2D-CGD	5.24	1.46	1.33
22	1	307	CLA	C3C-C2C	5.24	1.48	1.36
22	3	301	CLA	O2D-CGD	5.24	1.46	1.33
29	4	313	5X6	C27-C26	5.23	1.57	1.46
22	5	307	CLA	O2D-CGD	5.23	1.46	1.33
22	B	850	CLA	O2D-CGD	5.23	1.46	1.33
22	7	308	CLA	CHC-C1C	5.22	1.48	1.38
22	7	310	CLA	O2D-CGD	5.22	1.46	1.33
22	O	206	CLA	C3C-C2C	5.22	1.48	1.36
22	7	306	CLA	CHC-C1C	5.22	1.48	1.38
22	1	305	CLA	C3C-C2C	5.22	1.48	1.36
22	7	311	CLA	O2D-CGD	5.22	1.46	1.33
29	1	316	5X6	C27-C26	5.21	1.57	1.46
22	7	312	CLA	C3C-C2C	5.21	1.48	1.36
22	7	312	CLA	O2D-CGD	5.21	1.46	1.33
22	2	308	CLA	O2D-CGD	5.21	1.46	1.33
22	B	823	CLA	C3C-C2C	5.20	1.48	1.36
29	J	104	5X6	C27-C26	5.20	1.57	1.46
22	3	305	CLA	O2D-CGD	5.20	1.46	1.33
22	3	301	CLA	C3C-C2C	5.20	1.48	1.36
22	3	303	CLA	O2D-CGD	5.20	1.46	1.33
22	7	305	CLA	C3C-C2C	5.20	1.48	1.36
22	2	308	CLA	CHC-C1C	5.19	1.48	1.38
22	1	303	CLA	O2D-CGD	5.19	1.46	1.33
29	Z	206	5X6	C27-C26	5.19	1.57	1.46
22	5	310	CLA	C3C-C2C	5.18	1.47	1.36
22	7	303	CLA	C3C-C2C	5.18	1.47	1.36
22	2	309	CLA	O2D-CGD	5.18	1.46	1.33
22	1	309	CLA	O2D-CGD	5.17	1.45	1.33
22	7	313	CLA	O2D-CGD	5.17	1.45	1.33
22	7	304	CLA	C3C-C2C	5.17	1.47	1.36
22	2	303	CLA	O2D-CGD	5.17	1.45	1.33
22	3	304	CLA	O2D-CGD	5.16	1.45	1.33
22	2	310	CLA	O2D-CGD	5.16	1.45	1.33
22	O	204	CLA	O2D-CGD	5.15	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	2	306	CLA	O2D-CGD	5.15	1.45	1.33
22	O	205	CLA	C3C-C2C	5.15	1.47	1.36
22	2	302	CLA	C3C-C2C	5.15	1.47	1.36
29	5	312	5X6	C27-C26	5.15	1.57	1.46
22	4	303	CLA	C3C-C2C	5.15	1.47	1.36
22	2	307	CLA	CHC-C1C	5.14	1.48	1.38
22	O	205	CLA	O2D-CGD	5.14	1.45	1.33
22	4	312	CLA	C3C-C2C	5.14	1.47	1.36
22	1	308	CLA	O2D-CGD	5.13	1.45	1.33
22	7	305	CLA	O2D-CGD	5.13	1.45	1.33
22	2	311	CLA	O2D-CGD	5.12	1.45	1.33
22	1	306	CLA	C3C-C2C	5.12	1.47	1.36
29	1	312	5X6	C27-C26	5.12	1.56	1.46
22	6	311	CLA	CHC-C1C	5.12	1.48	1.38
29	5	321	5X6	C12-C13	5.11	1.56	1.46
22	1	307	CLA	O2D-CGD	5.11	1.45	1.33
22	L	205	CLA	C3C-C2C	5.11	1.47	1.36
29	1	313	5X6	C27-C26	5.10	1.56	1.46
22	4	306	CLA	O2D-CGD	5.10	1.45	1.33
22	7	307	CLA	O2D-CGD	5.10	1.45	1.33
22	1	305	CLA	O2D-CGD	5.10	1.45	1.33
22	5	303	CLA	O2D-CGD	5.10	1.45	1.33
22	B	839	CLA	C3C-C2C	5.09	1.47	1.36
22	7	312	CLA	CHC-C1C	5.09	1.48	1.38
29	6	315	5X6	C27-C26	5.09	1.56	1.46
29	4	313	5X6	C12-C13	5.08	1.56	1.46
22	5	309	CLA	O2D-CGD	5.08	1.45	1.33
22	3	302	CLA	O2D-CGD	5.08	1.45	1.33
22	B	811	CLA	O2D-CGD	5.08	1.45	1.33
29	7	315	5X6	C27-C26	5.08	1.56	1.46
22	A	812	CLA	C3C-C2C	5.07	1.47	1.36
22	A	828	CLA	C3C-C2C	5.07	1.47	1.36
22	5	304	CLA	C3C-C2C	5.07	1.47	1.36
22	B	823	CLA	CHC-C1C	5.07	1.48	1.38
22	6	308	CLA	O2D-CGD	5.06	1.45	1.33
22	2	311	CLA	CHC-C1C	5.06	1.48	1.38
22	6	307	CLA	C3C-C2C	5.06	1.47	1.36
22	7	306	CLA	O2D-CGD	5.06	1.45	1.33
22	6	314	CLA	C3C-C2C	5.05	1.47	1.36
22	6	312	CLA	O2D-CGD	5.05	1.45	1.33
22	O	206	CLA	O2D-CGD	5.05	1.45	1.33
29	O	207	5X6	C27-C26	5.05	1.56	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	5	308	CLA	C3C-C2C	5.05	1.47	1.36
22	6	303	CLA	C3C-C2C	5.05	1.47	1.36
22	K	102	CLA	O2D-CGD	5.04	1.45	1.33
22	6	310	CLA	O2D-CGD	5.04	1.45	1.33
29	4	314	5X6	C27-C26	5.04	1.56	1.46
22	O	203	CLA	C3C-C2C	5.04	1.47	1.36
22	7	313	CLA	CHC-C1C	5.04	1.48	1.38
22	1	304	CLA	C3C-C2C	5.03	1.47	1.36
22	6	303	CLA	O2D-CGD	5.03	1.45	1.33
22	A	825	CLA	C3C-C2C	5.03	1.47	1.36
22	O	203	CLA	O2D-CGD	5.03	1.45	1.33
22	A	826	CLA	C3C-C2C	5.02	1.47	1.36
22	J	102	CLA	O2D-CGD	5.02	1.45	1.33
22	5	303	CLA	C3C-C2C	5.02	1.47	1.36
29	2	313	5X6	C12-C13	5.02	1.56	1.46
22	3	304	CLA	CHC-C1C	5.02	1.48	1.38
22	A	809	CLA	CHC-C1C	5.02	1.48	1.38
22	6	310	CLA	C3C-C2C	5.02	1.47	1.36
22	6	313	CLA	O2D-CGD	5.02	1.45	1.33
22	1	310	CLA	C3C-C2C	5.02	1.47	1.36
22	O	204	CLA	CHC-C1C	5.01	1.48	1.38
22	6	305	CLA	O2D-CGD	5.01	1.45	1.33
22	1	304	CLA	O2D-CGD	5.01	1.45	1.33
22	5	311	CLA	C3C-C2C	5.00	1.47	1.36
22	7	311	CLA	CHC-C1C	5.00	1.48	1.38
22	A	833	CLA	O2A-CGA	5.00	1.47	1.33
22	2	307	CLA	O2D-CGD	5.00	1.45	1.33
22	5	304	CLA	O2D-CGD	5.00	1.45	1.33
22	6	313	CLA	C3C-C2C	5.00	1.47	1.36
22	B	850	CLA	C3C-C2C	5.00	1.47	1.36
29	7	316	5X6	C12-C13	5.00	1.56	1.46
29	7	314	5X6	C23-C22	5.00	1.56	1.46
22	4	304	CLA	C3C-C2C	5.00	1.47	1.36
22	1	306	CLA	O2D-CGD	4.99	1.45	1.33
22	2	302	CLA	O2D-CGD	4.99	1.45	1.33
29	6	315	5X6	C12-C13	4.99	1.56	1.46
22	1	310	CLA	O2D-CGD	4.99	1.45	1.33
22	2	305	CLA	O2D-CGD	4.99	1.45	1.33
22	B	821	CLA	CHC-C1C	4.99	1.48	1.38
22	7	304	CLA	O2D-CGD	4.99	1.45	1.33
22	6	309	CLA	C3C-C2C	4.98	1.47	1.36
22	4	312	CLA	O2D-CGD	4.97	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	834	CLA	C3C-C2C	4.97	1.47	1.36
22	5	305	CLA	O2D-CGD	4.97	1.45	1.33
22	7	303	CLA	C1D-ND	4.97	1.44	1.37
22	B	802	CLA	C3C-C2C	4.97	1.47	1.36
22	1	303	CLA	C3C-C2C	4.96	1.47	1.36
22	5	302	CLA	C3C-C2C	4.95	1.47	1.36
22	7	308	CLA	O2D-CGD	4.95	1.45	1.33
22	2	306	CLA	CHC-C1C	4.95	1.48	1.38
22	4	311	CLA	CHC-C1C	4.95	1.48	1.38
22	B	801	CLA	C3C-C2C	4.95	1.47	1.36
22	4	308	CLA	C3C-C2C	4.95	1.47	1.36
22	4	309	CLA	C3C-C2C	4.94	1.47	1.36
22	2	310	CLA	C1D-ND	4.94	1.44	1.37
22	B	825	CLA	C3C-C2C	4.94	1.47	1.36
22	7	311	CLA	C1D-ND	4.94	1.44	1.37
22	2	305	CLA	CHC-C1C	4.94	1.48	1.38
22	7	307	CLA	C1D-ND	4.94	1.44	1.37
22	4	310	CLA	O2D-CGD	4.94	1.45	1.33
29	7	318	5X6	C12-C13	4.93	1.56	1.46
22	1	310	CLA	CHC-C1C	4.93	1.48	1.38
22	2	310	CLA	CHC-C1C	4.93	1.48	1.38
22	4	307	CLA	C3C-C2C	4.93	1.47	1.36
22	5	306	CLA	C3C-C2C	4.93	1.47	1.36
29	2	314	5X6	C12-C13	4.93	1.56	1.46
22	6	311	CLA	O2D-CGD	4.92	1.45	1.33
22	7	305	CLA	CHC-C1C	4.92	1.48	1.38
29	1	311	5X6	C27-C26	4.92	1.56	1.46
22	6	304	CLA	C3C-C2C	4.92	1.47	1.36
22	5	311	CLA	O2D-CGD	4.92	1.45	1.33
22	6	307	CLA	O2D-CGD	4.92	1.45	1.33
22	K	102	CLA	C3C-C2C	4.92	1.47	1.36
22	4	312	CLA	CHC-C1C	4.92	1.48	1.38
22	B	819	CLA	C3C-C2C	4.91	1.47	1.36
29	7	317	5X6	C12-C13	4.91	1.56	1.46
22	L	205	CLA	CHC-C1C	4.91	1.48	1.38
22	1	308	CLA	CHC-C1C	4.91	1.48	1.38
22	2	309	CLA	CHC-C1C	4.91	1.48	1.38
22	B	804	CLA	C3C-C2C	4.91	1.47	1.36
29	1	314	5X6	C27-C26	4.91	1.56	1.46
22	7	310	CLA	CHC-C1C	4.91	1.48	1.38
22	5	307	CLA	C3C-C2C	4.90	1.47	1.36
29	5	314	5X6	C12-C13	4.90	1.56	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	833	CLA	C3C-C2C	4.90	1.47	1.36
22	4	306	CLA	CHC-C1C	4.90	1.48	1.38
22	2	302	CLA	C1D-ND	4.89	1.44	1.37
22	B	819	CLA	CHC-C1C	4.89	1.48	1.38
22	4	311	CLA	O2D-CGD	4.89	1.45	1.33
22	A	824	CLA	C3C-C2C	4.89	1.47	1.36
22	3	302	CLA	C1D-ND	4.89	1.44	1.37
22	B	817	CLA	O2A-CGA	4.89	1.47	1.33
29	7	318	5X6	C27-C26	4.89	1.56	1.46
22	4	302	CLA	CHC-C1C	4.88	1.48	1.38
22	A	805	CLA	C3C-C2C	4.88	1.47	1.36
22	A	804	CLA	O2D-CGD	4.88	1.45	1.33
22	B	838	CLA	C3C-C2C	4.88	1.47	1.36
22	5	305	CLA	CHC-C1C	4.88	1.48	1.38
22	A	816	CLA	C3C-C2C	4.88	1.47	1.36
22	2	304	CLA	C1D-ND	4.87	1.44	1.37
22	7	309	CLA	O2A-CGA	4.87	1.47	1.33
22	6	308	CLA	C3C-C2C	4.87	1.47	1.36
22	1	310	CLA	O2A-CGA	4.87	1.47	1.33
22	5	309	CLA	C3C-C2C	4.87	1.47	1.36
29	O	207	5X6	C12-C13	4.87	1.56	1.46
22	A	838	CLA	C3C-C2C	4.86	1.47	1.36
22	L	204	CLA	C3C-C2C	4.86	1.47	1.36
22	B	820	CLA	O2A-CGA	4.86	1.46	1.30
22	2	302	CLA	CHC-C1C	4.86	1.48	1.38
22	2	303	CLA	CHC-C1C	4.86	1.48	1.38
22	2	304	CLA	CHC-C1C	4.86	1.48	1.38
22	4	309	CLA	O2D-CGD	4.86	1.45	1.33
22	5	301	CLA	O2D-CGD	4.85	1.45	1.33
22	4	305	CLA	C3C-C2C	4.85	1.47	1.36
22	B	830	CLA	O2D-CGD	4.85	1.45	1.33
22	A	818	CLA	C3C-C2C	4.85	1.47	1.36
22	5	302	CLA	CHC-C1C	4.85	1.48	1.38
22	B	832	CLA	C3C-C2C	4.85	1.47	1.36
29	7	315	5X6	C12-C13	4.85	1.56	1.46
22	7	307	CLA	CHC-C1C	4.85	1.48	1.38
22	Z	201	CLA	C3C-C2C	4.84	1.47	1.36
22	A	814	CLA	C3C-C2C	4.84	1.47	1.36
29	4	315	5X6	C12-C13	4.84	1.56	1.46
29	1	313	5X6	C12-C13	4.84	1.56	1.46
22	O	205	CLA	CHC-C1C	4.84	1.48	1.38
22	2	306	CLA	C1D-ND	4.84	1.44	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	7	313	CLA	C1D-ND	4.84	1.44	1.37
22	A	829	CLA	C3C-C2C	4.84	1.47	1.36
22	6	312	CLA	C3C-C2C	4.84	1.47	1.36
22	3	303	CLA	CHC-C1C	4.84	1.48	1.38
22	O	204	CLA	C1D-ND	4.84	1.44	1.37
22	O	206	CLA	CHC-C1C	4.84	1.48	1.38
22	4	310	CLA	C3C-C2C	4.83	1.47	1.36
22	6	312	CLA	C1D-ND	4.83	1.44	1.37
22	6	313	CLA	CHC-C1C	4.83	1.48	1.38
22	A	832	CLA	C3C-C2C	4.83	1.47	1.36
22	A	836	CLA	C3C-C2C	4.83	1.47	1.36
29	7	314	5X6	C12-C13	4.83	1.56	1.46
22	1	308	CLA	C1D-ND	4.83	1.44	1.37
22	5	310	CLA	O2D-CGD	4.83	1.45	1.33
22	3	302	CLA	CHC-C1C	4.83	1.48	1.38
22	6	304	CLA	CHC-C1C	4.83	1.48	1.38
22	1	307	CLA	CHC-C1C	4.82	1.48	1.38
22	B	807	CLA	C3C-C2C	4.82	1.47	1.36
22	3	303	CLA	C1D-ND	4.82	1.44	1.37
22	3	304	CLA	C1D-ND	4.82	1.44	1.37
22	B	829	CLA	C3C-C2C	4.82	1.47	1.36
22	L	204	CLA	O2D-CGD	4.82	1.45	1.33
22	F	205	CLA	C3C-C2C	4.82	1.47	1.36
22	A	821	CLA	C3C-C2C	4.82	1.47	1.36
22	B	821	CLA	O2D-CGD	4.82	1.45	1.33
22	B	806	CLA	O2D-CGD	4.81	1.45	1.33
22	6	305	CLA	CHC-C1C	4.81	1.48	1.38
22	6	309	CLA	CHC-C1C	4.81	1.48	1.38
22	4	307	CLA	O2A-CGA	4.80	1.46	1.30
22	A	834	CLA	O2A-CGA	4.80	1.47	1.33
22	6	304	CLA	O2D-CGD	4.80	1.45	1.33
22	A	808	CLA	CHC-C1C	4.79	1.48	1.38
22	3	301	CLA	C1D-ND	4.79	1.44	1.37
22	6	309	CLA	O2D-CGD	4.79	1.45	1.33
29	M	101	5X6	C27-C26	4.79	1.56	1.46
22	B	849	CLA	C3C-C2C	4.78	1.47	1.36
29	4	314	5X6	C16-C17	4.78	1.56	1.46
22	1	302	CLA	C3C-C2C	4.78	1.47	1.36
29	O	208	5X6	C12-C13	4.78	1.56	1.46
22	A	813	CLA	O2D-CGD	4.78	1.45	1.33
22	4	305	CLA	O2D-CGD	4.77	1.45	1.33
22	1	309	CLA	CHC-C1C	4.77	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	7	317	5X6	C27-C26	4.77	1.56	1.46
29	1	316	5X6	C12-C13	4.77	1.56	1.46
29	5	313	5X6	C23-C22	4.77	1.56	1.46
29	Z	206	5X6	C16-C17	4.77	1.56	1.46
22	4	306	CLA	C1D-ND	4.77	1.44	1.37
22	B	837	CLA	O2D-CGD	4.76	1.44	1.33
22	A	810	CLA	O2A-CGA	4.76	1.47	1.33
22	F	206	CLA	C3C-C2C	4.76	1.47	1.36
22	A	807	CLA	C3C-C2C	4.75	1.47	1.36
22	A	815	CLA	C3C-C2C	4.75	1.47	1.36
22	7	303	CLA	CHC-C1C	4.75	1.48	1.38
22	B	815	CLA	C3C-C2C	4.75	1.47	1.36
22	6	310	CLA	CHC-C1C	4.74	1.48	1.38
22	K	101	CLA	CHC-C1C	4.74	1.48	1.38
22	Z	201	CLA	O2A-CGA	4.73	1.46	1.30
29	2	312	5X6	C23-C22	4.73	1.56	1.46
22	B	835	CLA	C3C-C2C	4.73	1.47	1.36
29	B	851	5X6	C27-C26	4.73	1.56	1.46
22	B	833	CLA	C3C-C2C	4.73	1.47	1.36
22	A	820	CLA	O2D-CGD	4.72	1.44	1.33
22	6	314	CLA	O2D-CGD	4.72	1.44	1.33
22	B	850	CLA	C1D-ND	4.72	1.44	1.37
22	A	817	CLA	O2D-CGD	4.72	1.44	1.33
22	1	307	CLA	O2A-CGA	4.72	1.47	1.33
22	B	839	CLA	O2D-CGD	4.72	1.44	1.33
22	Z	204	CLA	C3C-C2C	4.71	1.46	1.36
22	5	308	CLA	O2D-CGD	4.71	1.44	1.33
22	5	304	CLA	CHC-C1C	4.71	1.47	1.38
22	5	301	CLA	O2A-CGA	4.71	1.46	1.30
22	4	309	CLA	CHC-C1C	4.71	1.47	1.38
22	1	307	CLA	C1D-ND	4.71	1.44	1.37
22	L	205	CLA	O2A-CGA	4.71	1.46	1.30
29	2	312	5X6	C12-C13	4.71	1.56	1.46
22	B	810	CLA	O2D-CGD	4.71	1.44	1.33
22	B	804	CLA	O2D-CGD	4.71	1.44	1.33
22	5	303	CLA	O2A-CGA	4.71	1.47	1.33
22	F	206	CLA	O2D-CGD	4.70	1.44	1.33
22	2	307	CLA	C1D-ND	4.70	1.44	1.37
22	2	311	CLA	C1D-ND	4.70	1.44	1.37
22	B	813	CLA	C3C-C2C	4.70	1.46	1.36
22	B	831	CLA	C3C-C2C	4.70	1.46	1.36
22	5	309	CLA	CHC-C1C	4.70	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	817	CLA	C3C-C2C	4.69	1.46	1.36
22	L	203	CLA	C1D-ND	4.69	1.44	1.37
22	A	830	CLA	C3C-C2C	4.69	1.46	1.36
22	4	302	CLA	O2D-CGD	4.69	1.44	1.33
22	B	814	CLA	C3C-C2C	4.69	1.46	1.36
22	A	812	CLA	CHC-C1C	4.69	1.47	1.38
22	6	309	CLA	O2A-CGA	4.69	1.46	1.30
22	A	804	CLA	O2A-CGA	4.68	1.47	1.33
22	5	311	CLA	O2A-CGA	4.68	1.46	1.30
22	B	837	CLA	C3C-C2C	4.68	1.46	1.36
22	7	312	CLA	C1D-ND	4.68	1.44	1.37
22	A	814	CLA	O2A-CGA	4.68	1.46	1.30
22	K	101	CLA	C1D-ND	4.68	1.44	1.37
29	2	313	5X6	C23-C22	4.67	1.56	1.46
22	A	814	CLA	O2D-CGD	4.67	1.44	1.33
22	4	302	CLA	O2A-CGA	4.67	1.46	1.30
22	L	205	CLA	O2D-CGD	4.67	1.44	1.33
22	B	805	CLA	C3C-C2C	4.67	1.46	1.36
22	1	302	CLA	CHC-C1C	4.67	1.47	1.38
22	1	302	CLA	C1D-ND	4.67	1.44	1.37
22	4	312	CLA	O2A-CGA	4.67	1.46	1.30
22	7	308	CLA	O2A-CGA	4.67	1.46	1.30
22	B	849	CLA	O2D-CGD	4.67	1.44	1.33
22	4	311	CLA	O2A-CGA	4.67	1.46	1.30
22	A	833	CLA	O2D-CGD	4.66	1.44	1.33
22	5	301	CLA	C3C-C2C	4.66	1.46	1.36
22	6	308	CLA	O2A-CGA	4.66	1.46	1.30
22	5	302	CLA	O2D-CGD	4.66	1.44	1.33
22	A	839	CLA	O2D-CGD	4.66	1.44	1.33
22	7	305	CLA	O2A-CGA	4.66	1.46	1.30
22	B	811	CLA	C1D-ND	4.66	1.44	1.37
29	4	315	5X6	C16-C17	4.66	1.55	1.46
22	A	819	CLA	O2A-CGA	4.66	1.46	1.33
22	5	308	CLA	CHC-C1C	4.66	1.47	1.38
22	5	305	CLA	C1D-ND	4.65	1.44	1.37
29	6	317	5X6	C12-C13	4.65	1.55	1.46
22	2	307	CLA	O2A-CGA	4.65	1.46	1.30
29	3	306	5X6	C12-C13	4.65	1.55	1.46
22	A	834	CLA	CHC-C1C	4.65	1.47	1.38
22	3	305	CLA	C1D-ND	4.65	1.44	1.37
29	7	318	5X6	C16-C17	4.65	1.55	1.46
22	B	816	CLA	C3C-C2C	4.65	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	6	314	CLA	CHC-C1C	4.65	1.47	1.38
22	A	821	CLA	O2A-CGA	4.64	1.46	1.30
22	5	307	CLA	CHC-C1C	4.64	1.47	1.38
22	6	313	CLA	C1D-ND	4.64	1.44	1.37
22	A	811	CLA	C3C-C2C	4.64	1.46	1.36
22	1	306	CLA	CHC-C1C	4.64	1.47	1.38
22	A	831	CLA	C3C-C2C	4.64	1.46	1.36
22	1	304	CLA	O2A-CGA	4.64	1.46	1.30
22	6	303	CLA	O2A-CGA	4.64	1.46	1.30
22	A	819	CLA	C3C-C2C	4.64	1.46	1.36
22	B	821	CLA	C3C-C2C	4.64	1.46	1.36
22	A	837	CLA	C3C-C2C	4.63	1.46	1.36
29	3	306	5X6	C23-C22	4.63	1.55	1.46
22	B	819	CLA	O2D-CGD	4.63	1.44	1.33
22	6	305	CLA	C3C-C2C	4.63	1.46	1.36
29	6	315	5X6	C23-C22	4.63	1.55	1.46
22	Z	204	CLA	O2D-CGD	4.63	1.44	1.33
22	1	302	CLA	O2D-CGD	4.63	1.44	1.33
22	B	804	CLA	CHC-C1C	4.63	1.47	1.38
22	3	302	CLA	O2A-CGA	4.63	1.46	1.30
22	O	206	CLA	C1D-ND	4.62	1.43	1.37
22	A	820	CLA	C3C-C2C	4.62	1.46	1.36
22	3	304	CLA	O2A-CGA	4.62	1.46	1.30
22	1	305	CLA	O2A-CGA	4.62	1.46	1.30
29	1	314	5X6	C16-C17	4.62	1.55	1.46
22	6	305	CLA	C1D-ND	4.62	1.43	1.37
22	4	307	CLA	O2D-CGD	4.62	1.44	1.33
22	2	308	CLA	O2A-CGA	4.62	1.46	1.33
22	B	823	CLA	O2D-CGD	4.62	1.44	1.33
22	7	305	CLA	C1D-ND	4.62	1.43	1.37
22	5	310	CLA	C1D-ND	4.61	1.43	1.37
22	1	306	CLA	O2A-CGA	4.61	1.46	1.30
22	1	309	CLA	C1D-ND	4.61	1.43	1.37
22	4	308	CLA	O2A-CGA	4.61	1.46	1.33
22	2	303	CLA	C1D-ND	4.61	1.43	1.37
22	A	812	CLA	O2A-CGA	4.61	1.46	1.33
22	A	802	CLA	C3C-C2C	4.61	1.46	1.36
22	A	834	CLA	O2D-CGD	4.61	1.44	1.33
22	2	309	CLA	C1D-ND	4.61	1.43	1.37
22	A	859	CLA	O2D-CGD	4.60	1.44	1.33
22	2	302	CLA	O2A-CGA	4.60	1.46	1.30
29	5	312	5X6	C12-C13	4.60	1.55	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	830	CLA	C3C-C2C	4.60	1.46	1.36
29	6	316	5X6	C16-C17	4.60	1.55	1.46
29	1	314	5X6	C12-C13	4.59	1.55	1.46
22	B	826	CLA	C3C-C2C	4.59	1.46	1.36
22	1	309	CLA	O2A-CGA	4.59	1.46	1.30
22	1	306	CLA	C1D-ND	4.59	1.43	1.37
22	2	311	CLA	O2A-CGA	4.59	1.46	1.30
22	7	307	CLA	O2A-CGA	4.59	1.46	1.30
22	5	305	CLA	O2A-CGA	4.59	1.46	1.30
29	5	313	5X6	C16-C17	4.59	1.55	1.46
29	1	316	5X6	C23-C22	4.59	1.55	1.46
22	B	812	CLA	CHC-C1C	4.58	1.47	1.38
22	4	306	CLA	O2A-CGA	4.58	1.46	1.30
22	A	830	CLA	O2D-CGD	4.58	1.44	1.33
29	J	104	5X6	C16-C17	4.58	1.55	1.46
29	1	316	5X6	C16-C17	4.58	1.55	1.46
22	7	313	CLA	O2A-CGA	4.58	1.46	1.30
22	A	822	CLA	O2D-CGD	4.58	1.44	1.33
22	A	835	CLA	C3C-C2C	4.58	1.46	1.36
22	5	310	CLA	CHC-C1C	4.57	1.47	1.38
22	B	815	CLA	O2A-CGA	4.57	1.46	1.33
29	4	314	5X6	C12-C13	4.57	1.55	1.46
22	1	305	CLA	CHC-C1C	4.57	1.47	1.38
22	L	204	CLA	CHC-C1C	4.57	1.47	1.38
22	4	305	CLA	CHC-C1C	4.57	1.47	1.38
22	2	306	CLA	O2A-CGA	4.57	1.45	1.30
29	2	312	5X6	C16-C17	4.57	1.55	1.46
22	7	310	CLA	C1D-ND	4.57	1.43	1.37
22	6	306	CLA	O2A-CGA	4.57	1.46	1.33
22	J	102	CLA	C1D-ND	4.57	1.43	1.37
22	A	808	CLA	C3C-C2C	4.57	1.46	1.36
29	Z	206	5X6	C23-C22	4.56	1.55	1.46
22	5	310	CLA	O2A-CGA	4.56	1.46	1.33
22	3	303	CLA	O2A-CGA	4.56	1.45	1.30
22	A	858	CLA	CHC-C1C	4.56	1.47	1.38
22	7	306	CLA	O2A-CGA	4.56	1.46	1.33
22	F	205	CLA	O2A-CGA	4.56	1.45	1.30
22	7	306	CLA	C1D-ND	4.56	1.43	1.37
29	5	313	5X6	C12-C13	4.56	1.55	1.46
22	A	848	CLA	C3C-C2C	4.55	1.46	1.36
29	1	311	5X6	C23-C22	4.55	1.55	1.46
22	A	804	CLA	C4B-NB	-4.55	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	7	317	5X6	C23-C22	4.55	1.55	1.46
29	6	317	5X6	C27-C26	4.55	1.55	1.46
22	B	820	CLA	C3C-C2C	4.55	1.46	1.36
22	O	205	CLA	C1D-ND	4.55	1.43	1.37
22	A	808	CLA	O2D-CGD	4.55	1.44	1.33
22	B	836	CLA	C3C-C2C	4.55	1.46	1.36
22	5	306	CLA	O2D-CGD	4.55	1.44	1.33
29	1	314	5X6	C23-C22	4.55	1.55	1.46
22	A	814	CLA	CHC-C1C	4.55	1.47	1.38
22	1	303	CLA	O2A-CGA	4.54	1.46	1.33
22	A	830	CLA	O2A-CGA	4.54	1.46	1.33
22	7	312	CLA	O2A-CGA	4.54	1.45	1.30
22	6	307	CLA	CHD-C1D	4.54	1.47	1.38
22	7	303	CLA	O2A-CGA	4.54	1.45	1.30
22	A	815	CLA	O2D-CGD	4.54	1.44	1.33
22	5	304	CLA	C1D-ND	4.54	1.43	1.37
22	A	839	CLA	C3C-C2C	4.54	1.46	1.36
22	7	308	CLA	C1D-ND	4.53	1.43	1.37
22	B	850	CLA	O2A-CGA	4.53	1.45	1.30
22	L	203	CLA	CHC-C1C	4.53	1.47	1.38
29	1	316	5X6	C24-C25	4.53	1.57	1.43
22	4	302	CLA	C1D-ND	4.53	1.43	1.37
22	B	817	CLA	CHC-C1C	4.53	1.47	1.38
22	7	303	CLA	O2D-CGD	4.53	1.44	1.33
22	5	303	CLA	CHC-C1C	4.53	1.47	1.38
22	B	808	CLA	O2D-CGD	4.53	1.44	1.33
22	B	820	CLA	O2D-CGD	4.53	1.44	1.33
22	2	305	CLA	C1D-ND	4.53	1.43	1.37
29	1	313	5X6	C16-C17	4.52	1.55	1.46
22	F	204	CLA	O2D-CGD	4.52	1.44	1.33
22	Z	201	CLA	O2D-CGD	4.52	1.44	1.33
22	6	303	CLA	CHC-C1C	4.52	1.47	1.38
22	L	205	CLA	C1D-ND	4.51	1.43	1.37
22	3	305	CLA	O2A-CGA	4.51	1.46	1.33
22	7	304	CLA	O2A-CGA	4.51	1.46	1.33
29	2	314	5X6	C23-C22	4.51	1.55	1.46
22	A	829	CLA	O2D-CGD	4.51	1.44	1.33
22	2	306	CLA	CHD-C1D	4.50	1.47	1.38
22	3	301	CLA	O2A-CGA	4.50	1.46	1.33
22	2	305	CLA	O2A-CGA	4.50	1.46	1.33
22	B	830	CLA	O2A-CGA	4.50	1.46	1.33
22	A	815	CLA	CHC-C1C	4.50	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	5	309	CLA	C1D-ND	4.50	1.43	1.37
22	6	313	CLA	O2A-CGA	4.50	1.45	1.30
22	B	829	CLA	O2A-CGA	4.50	1.46	1.33
22	A	810	CLA	C3C-C2C	4.50	1.46	1.36
22	A	808	CLA	O2A-CGA	4.50	1.46	1.33
22	5	311	CLA	CHD-C1D	4.50	1.47	1.38
29	6	316	5X6	C12-C13	4.50	1.55	1.46
29	5	314	5X6	C23-C22	4.49	1.55	1.46
22	B	810	CLA	C3C-C2C	4.49	1.46	1.36
22	A	815	CLA	O2A-CGA	4.49	1.46	1.33
29	J	104	5X6	C12-C13	4.49	1.55	1.46
22	A	813	CLA	C3C-C2C	4.49	1.46	1.36
22	B	804	CLA	O2A-CGA	4.49	1.46	1.33
22	6	306	CLA	CHC-C1C	4.49	1.47	1.38
22	Z	201	CLA	CHC-C1C	4.49	1.47	1.38
29	O	208	5X6	C23-C22	4.49	1.55	1.46
29	4	315	5X6	C23-C22	4.48	1.55	1.46
22	7	309	CLA	C1D-ND	4.48	1.43	1.37
22	3	304	CLA	CHD-C1D	4.48	1.47	1.38
22	4	307	CLA	CHC-C1C	4.48	1.47	1.38
22	F	205	CLA	O2D-CGD	4.48	1.44	1.33
29	1	312	5X6	C23-C22	4.48	1.55	1.46
22	A	806	CLA	O2D-CGD	4.48	1.44	1.33
22	2	304	CLA	CHD-C1D	4.48	1.47	1.38
22	2	303	CLA	O2A-CGA	4.48	1.46	1.33
22	A	835	CLA	O2D-CGD	4.48	1.44	1.33
22	6	310	CLA	O2A-CGA	4.47	1.46	1.33
22	B	812	CLA	C3C-C2C	4.47	1.46	1.36
22	2	304	CLA	O2A-CGA	4.47	1.46	1.33
22	B	822	CLA	C3C-C2C	4.47	1.46	1.36
22	1	305	CLA	C1D-ND	4.47	1.43	1.37
22	O	205	CLA	O2A-CGA	4.47	1.46	1.33
22	A	831	CLA	O2A-CGA	4.47	1.46	1.33
22	B	806	CLA	C1B-NB	-4.47	1.32	1.37
22	6	304	CLA	C1D-ND	4.46	1.43	1.37
29	4	313	5X6	C23-C22	4.46	1.55	1.46
22	A	836	CLA	O2D-CGD	4.46	1.44	1.33
22	4	303	CLA	O2D-CGD	4.46	1.44	1.33
22	A	819	CLA	O2D-CGD	4.46	1.44	1.33
22	B	850	CLA	CHC-C1C	4.46	1.47	1.38
22	A	829	CLA	CHC-C1C	4.46	1.47	1.38
29	O	207	5X6	C23-C22	4.46	1.55	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	6	312	CLA	CHC-C1C	4.46	1.47	1.38
22	4	309	CLA	O2A-CGA	4.46	1.46	1.33
29	5	312	5X6	C23-C22	4.45	1.55	1.46
22	6	307	CLA	C1D-ND	4.45	1.43	1.37
22	1	309	CLA	CHD-C1D	4.45	1.47	1.38
22	B	828	CLA	O2D-CGD	4.45	1.44	1.33
22	A	822	CLA	O2A-CGA	4.45	1.46	1.33
29	5	321	5X6	C16-C17	4.44	1.55	1.46
22	B	806	CLA	O2A-CGA	4.44	1.46	1.33
22	7	303	CLA	CHD-C1D	4.44	1.47	1.38
22	4	312	CLA	C1D-ND	4.44	1.43	1.37
22	B	820	CLA	CHC-C1C	4.44	1.47	1.38
22	4	311	CLA	C1D-ND	4.44	1.43	1.37
29	7	316	5X6	C16-C17	4.44	1.55	1.46
29	6	316	5X6	C23-C22	4.44	1.55	1.46
22	B	814	CLA	CHC-C1C	4.44	1.47	1.38
22	2	308	CLA	C1D-ND	4.44	1.43	1.37
22	A	832	CLA	O2D-CGD	4.43	1.44	1.33
22	A	803	CLA	O2A-CGA	4.43	1.46	1.33
22	A	838	CLA	O2A-CGA	4.43	1.46	1.33
22	K	102	CLA	CHC-C1C	4.43	1.47	1.38
22	6	308	CLA	CHC-C1C	4.43	1.47	1.38
22	A	818	CLA	O2A-CGA	4.43	1.46	1.33
22	B	849	CLA	O2A-CGA	4.43	1.46	1.33
22	B	834	CLA	C3C-C2C	4.43	1.46	1.36
22	5	311	CLA	CHC-C1C	4.42	1.47	1.38
22	4	304	CLA	CHC-C1C	4.42	1.47	1.38
22	5	307	CLA	O2A-CGA	4.42	1.46	1.33
22	5	310	CLA	CHD-C1D	4.42	1.47	1.38
22	A	819	CLA	C1B-NB	-4.42	1.32	1.37
22	1	306	CLA	CHD-C1D	4.42	1.47	1.38
22	A	805	CLA	O2A-CGA	4.42	1.46	1.33
29	M	101	5X6	C12-C13	4.42	1.55	1.46
22	A	812	CLA	O2D-CGD	4.42	1.44	1.33
22	1	303	CLA	C1D-ND	4.42	1.43	1.37
22	4	304	CLA	O2D-CGD	4.41	1.44	1.33
22	A	804	CLA	C3C-C2C	4.41	1.46	1.36
29	5	321	5X6	C23-C22	4.41	1.55	1.46
29	7	315	5X6	C23-C22	4.41	1.55	1.46
22	K	101	CLA	O2A-CGA	4.41	1.46	1.33
22	F	205	CLA	CHC-C1C	4.41	1.47	1.38
22	7	303	CLA	CHD-C4C	4.41	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	830	CLA	CHC-C1C	4.41	1.47	1.38
22	A	833	CLA	CHC-C1C	4.41	1.47	1.38
22	7	305	CLA	CHD-C1D	4.40	1.47	1.38
22	A	803	CLA	O2D-CGD	4.39	1.44	1.33
22	B	823	CLA	O2A-CGA	4.39	1.46	1.33
22	A	810	CLA	O2D-CGD	4.39	1.44	1.33
22	2	304	CLA	CHD-C4C	4.39	1.49	1.39
22	B	807	CLA	CHC-C1C	4.39	1.47	1.38
22	3	303	CLA	CHD-C1D	4.39	1.47	1.38
22	A	820	CLA	O2A-CGA	4.38	1.46	1.33
22	B	818	CLA	C3C-C2C	4.38	1.46	1.36
22	L	203	CLA	O2A-CGA	4.38	1.46	1.33
22	B	815	CLA	O2D-CGD	4.38	1.44	1.33
22	B	812	CLA	O2A-CGA	4.38	1.46	1.33
22	1	308	CLA	CHD-C1D	4.38	1.47	1.38
22	5	311	CLA	C1D-ND	4.38	1.43	1.37
29	5	314	5X6	C16-C17	4.38	1.55	1.46
22	B	835	CLA	CHC-C1C	4.37	1.47	1.38
22	B	817	CLA	O2D-CGD	4.37	1.44	1.33
29	1	311	5X6	C16-C17	4.37	1.55	1.46
22	A	819	CLA	CHC-C1C	4.37	1.47	1.38
22	6	307	CLA	CHC-C1C	4.37	1.47	1.38
22	J	102	CLA	CHC-C1C	4.37	1.47	1.38
22	B	817	CLA	C3C-C2C	4.37	1.46	1.36
22	4	305	CLA	O2A-CGA	4.37	1.46	1.33
22	B	827	CLA	O2D-CGD	4.37	1.44	1.33
22	F	204	CLA	O2A-CGA	4.36	1.46	1.33
22	B	833	CLA	CHC-C1C	4.36	1.47	1.38
22	A	828	CLA	O2A-CGA	4.36	1.46	1.33
29	6	317	5X6	C23-C22	4.36	1.55	1.46
29	O	208	5X6	C16-C17	4.36	1.55	1.46
29	7	314	5X6	C16-C17	4.36	1.55	1.46
22	1	302	CLA	O2A-CGA	4.36	1.46	1.33
29	1	312	5X6	C12-C13	4.36	1.55	1.46
22	A	858	CLA	C3C-C2C	4.35	1.46	1.36
29	7	318	5X6	C23-C22	4.35	1.55	1.46
22	A	805	CLA	C1D-ND	4.35	1.43	1.37
22	B	809	CLA	O2D-CGD	4.35	1.43	1.33
22	B	838	CLA	O2D-CGD	4.35	1.43	1.33
29	7	316	5X6	C23-C22	4.35	1.55	1.46
22	B	835	CLA	O2D-CGD	4.35	1.43	1.33
22	7	307	CLA	CHD-C1D	4.35	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	805	CLA	C1B-NB	-4.35	1.32	1.37
22	3	305	CLA	CHC-C4B	4.35	1.49	1.39
22	6	314	CLA	C1D-ND	4.35	1.43	1.37
29	4	314	5X6	C23-C22	4.35	1.55	1.46
22	1	304	CLA	CHC-C1C	4.35	1.47	1.38
22	A	829	CLA	O2A-CGA	4.35	1.46	1.33
22	5	301	CLA	CHC-C1C	4.35	1.47	1.38
22	6	306	CLA	C1D-ND	4.34	1.43	1.37
22	5	304	CLA	O2A-CGA	4.34	1.46	1.33
22	7	306	CLA	CHD-C4C	4.34	1.49	1.39
29	7	315	5X6	C16-C17	4.34	1.55	1.46
22	2	310	CLA	CHD-C1D	4.34	1.46	1.38
22	B	824	CLA	O2A-CGA	4.34	1.46	1.33
22	7	304	CLA	CHC-C4B	4.34	1.49	1.39
22	A	822	CLA	C3C-C2C	4.34	1.46	1.36
22	A	827	CLA	C1D-ND	4.33	1.43	1.37
22	2	307	CLA	CHD-C4C	4.33	1.49	1.39
22	4	310	CLA	CHD-C4C	4.33	1.49	1.39
22	A	857	CLA	C3C-C2C	4.33	1.46	1.36
22	A	820	CLA	CHC-C1C	4.33	1.47	1.38
22	5	307	CLA	C1D-ND	4.33	1.43	1.37
22	2	308	CLA	CHD-C1D	4.33	1.46	1.38
22	B	831	CLA	O2D-CGD	4.33	1.43	1.33
22	2	311	CLA	CHD-C1D	4.33	1.46	1.38
22	7	309	CLA	CHC-C4B	4.33	1.49	1.39
22	A	821	CLA	O2D-CGD	4.32	1.43	1.33
29	5	312	5X6	C16-C17	4.32	1.55	1.46
29	2	313	5X6	C16-C17	4.32	1.55	1.46
22	2	306	CLA	CHD-C4C	4.32	1.49	1.39
22	B	824	CLA	O2D-CGD	4.32	1.43	1.33
22	K	101	CLA	O2D-CGD	4.32	1.43	1.33
22	A	827	CLA	O2D-CGD	4.32	1.43	1.33
22	B	819	CLA	C1B-NB	-4.32	1.32	1.37
22	B	833	CLA	O2D-CGD	4.32	1.43	1.33
22	2	302	CLA	CHD-C1D	4.31	1.46	1.38
22	6	307	CLA	O2A-CGA	4.31	1.45	1.33
22	4	303	CLA	O2A-CGA	4.31	1.45	1.33
22	A	839	CLA	CHC-C1C	4.31	1.47	1.38
29	2	314	5X6	C16-C17	4.31	1.55	1.46
22	O	206	CLA	CHD-C1D	4.31	1.46	1.38
29	1	311	5X6	C12-C13	4.31	1.55	1.46
22	L	204	CLA	C1D-ND	4.30	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	823	CLA	C3C-C2C	4.30	1.46	1.36
22	1	310	CLA	C1D-ND	4.30	1.43	1.37
22	B	808	CLA	C3C-C2C	4.30	1.46	1.36
22	A	802	CLA	O2A-CGA	4.30	1.45	1.33
22	5	305	CLA	CHD-C1D	4.30	1.46	1.38
29	1	312	5X6	C16-C17	4.30	1.55	1.46
22	B	807	CLA	O2D-CGD	4.29	1.43	1.33
22	B	805	CLA	CHC-C1C	4.29	1.47	1.38
22	A	816	CLA	O2A-CGA	4.29	1.45	1.33
22	A	832	CLA	CHD-C1D	4.29	1.46	1.38
22	B	801	CLA	C1B-NB	-4.29	1.32	1.37
22	6	314	CLA	CHD-C1D	4.29	1.46	1.38
22	B	837	CLA	O2A-CGA	4.29	1.45	1.33
29	J	104	5X6	C23-C22	4.29	1.55	1.46
22	3	303	CLA	CHD-C4C	4.29	1.49	1.39
22	3	304	CLA	CHD-C4C	4.29	1.49	1.39
22	A	813	CLA	C1D-ND	4.28	1.43	1.37
22	B	806	CLA	C3C-C2C	4.28	1.46	1.36
22	B	818	CLA	CHD-C1D	4.28	1.46	1.38
22	B	811	CLA	CHD-C1D	4.28	1.46	1.38
22	O	206	CLA	CHD-C4C	4.28	1.49	1.39
22	2	305	CLA	CHD-C1D	4.28	1.46	1.38
22	5	305	CLA	CHD-C4C	4.28	1.48	1.39
22	4	310	CLA	CHC-C1C	4.28	1.47	1.38
22	7	311	CLA	CHD-C1D	4.28	1.46	1.38
22	3	302	CLA	CHD-C1D	4.28	1.46	1.38
22	6	303	CLA	C1D-ND	4.28	1.43	1.37
22	A	859	CLA	C3C-C2C	4.28	1.46	1.36
22	B	832	CLA	CHC-C1C	4.27	1.47	1.38
22	1	307	CLA	CHD-C1D	4.27	1.46	1.38
22	3	301	CLA	CHC-C4B	4.27	1.49	1.39
22	7	313	CLA	CHD-C1D	4.27	1.46	1.38
22	A	827	CLA	CHC-C1C	4.27	1.47	1.38
22	2	303	CLA	CHD-C1D	4.27	1.46	1.38
22	2	305	CLA	CHD-C4C	4.27	1.48	1.39
29	B	851	5X6	C12-C13	4.27	1.55	1.46
22	7	307	CLA	CHD-C4C	4.27	1.48	1.39
22	5	303	CLA	C1D-ND	4.27	1.43	1.37
22	A	837	CLA	CHC-C1C	4.26	1.47	1.38
22	7	308	CLA	CHD-C1D	4.26	1.46	1.38
22	B	812	CLA	O2D-CGD	4.26	1.43	1.33
29	B	851	5X6	C16-C17	4.26	1.55	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	823	CLA	O2D-CGD	4.26	1.43	1.33
29	B	851	5X6	C23-C22	4.26	1.55	1.46
22	A	827	CLA	C3C-C2C	4.26	1.46	1.36
22	2	307	CLA	CHD-C1D	4.26	1.46	1.38
22	1	309	CLA	CHD-C4C	4.26	1.48	1.39
22	7	304	CLA	C1D-ND	4.25	1.43	1.37
22	4	304	CLA	O2A-CGA	4.25	1.45	1.33
22	A	809	CLA	O2A-CGA	4.25	1.45	1.33
22	F	204	CLA	C3C-C2C	4.25	1.45	1.36
22	7	309	CLA	CHD-C1D	4.25	1.46	1.38
22	5	306	CLA	CHC-C1C	4.25	1.47	1.38
22	B	834	CLA	O2A-CGA	4.25	1.45	1.33
29	4	313	5X6	C16-C17	4.25	1.55	1.46
29	1	313	5X6	C23-C22	4.24	1.55	1.46
22	A	837	CLA	O2A-CGA	4.24	1.45	1.33
22	A	825	CLA	O2D-CGD	4.24	1.43	1.33
22	A	832	CLA	O2A-CGA	4.24	1.45	1.33
22	B	839	CLA	O2A-CGA	4.24	1.45	1.33
22	B	822	CLA	O2D-CGD	4.24	1.43	1.33
22	6	307	CLA	CHD-C4C	4.24	1.48	1.39
29	3	306	5X6	C16-C17	4.24	1.55	1.46
22	B	850	CLA	CHD-C1D	4.24	1.46	1.38
22	B	815	CLA	CHC-C1C	4.24	1.47	1.38
22	B	822	CLA	C1B-NB	-4.24	1.32	1.37
22	A	825	CLA	CHC-C1C	4.24	1.47	1.38
22	B	813	CLA	O2D-CGD	4.24	1.43	1.33
29	7	314	5X6	C24-C25	4.23	1.56	1.43
22	A	809	CLA	O2D-CGD	4.23	1.43	1.33
22	2	308	CLA	CHD-C4C	4.23	1.48	1.39
22	B	828	CLA	C3C-C2C	4.23	1.45	1.36
22	B	816	CLA	O2A-CGA	4.23	1.45	1.33
22	4	303	CLA	CHC-C4B	4.23	1.48	1.39
22	6	305	CLA	O2A-CGA	4.23	1.45	1.33
22	A	809	CLA	C3C-C2C	4.23	1.45	1.36
22	3	305	CLA	CHD-C4C	4.22	1.48	1.39
22	7	306	CLA	CHD-C1D	4.22	1.46	1.38
22	B	850	CLA	CHD-C4C	4.22	1.48	1.39
22	B	816	CLA	O2D-CGD	4.22	1.43	1.33
29	1	312	5X6	C33-C32	4.22	1.58	1.52
22	7	310	CLA	CHD-C1D	4.22	1.46	1.38
22	6	311	CLA	CHD-C4C	4.22	1.48	1.39
22	B	827	CLA	O2A-CGA	4.22	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	7	313	CLA	CHD-C4C	4.22	1.48	1.39
22	3	301	CLA	CHD-C4C	4.22	1.48	1.39
22	4	304	CLA	C1D-ND	4.22	1.43	1.37
22	A	837	CLA	O2D-CGD	4.21	1.43	1.33
22	B	825	CLA	CHC-C4B	4.21	1.48	1.39
22	1	308	CLA	CHD-C4C	4.21	1.48	1.39
22	B	805	CLA	O2D-CGD	4.21	1.43	1.33
22	A	817	CLA	C1D-ND	4.21	1.43	1.37
22	B	825	CLA	CHC-C1C	4.21	1.46	1.38
22	O	203	CLA	O2A-CGA	4.21	1.46	1.33
22	4	309	CLA	C1D-ND	4.21	1.43	1.37
22	A	824	CLA	O2D-CGD	4.21	1.43	1.33
22	B	820	CLA	CHD-C4C	4.21	1.48	1.39
22	B	821	CLA	O2A-CGA	4.21	1.46	1.33
29	M	101	5X6	C16-C17	4.21	1.55	1.46
22	5	304	CLA	CHD-C1D	4.20	1.46	1.38
22	7	305	CLA	CHD-C4C	4.20	1.48	1.39
29	2	313	5X6	C24-C25	4.20	1.56	1.43
22	2	303	CLA	CHD-C4C	4.20	1.48	1.39
29	6	315	5X6	C16-C17	4.20	1.54	1.46
22	2	311	CLA	CHD-C4C	4.20	1.48	1.39
22	B	811	CLA	CHC-C1C	4.20	1.46	1.38
22	3	301	CLA	CHD-C1D	4.20	1.46	1.38
22	4	306	CLA	CHD-C4C	4.20	1.48	1.39
22	B	839	CLA	CHC-C1C	4.20	1.46	1.38
22	F	206	CLA	CHC-C1C	4.20	1.46	1.38
22	4	307	CLA	C3D-C2D	4.20	1.50	1.39
22	B	824	CLA	C3C-C2C	4.19	1.45	1.36
22	4	306	CLA	CHD-C1D	4.19	1.46	1.38
22	B	827	CLA	C3C-C2C	4.19	1.45	1.36
22	B	835	CLA	O2A-CGA	4.19	1.45	1.33
22	2	302	CLA	CHD-C4C	4.19	1.48	1.39
29	4	314	5X6	C19-C18	4.18	1.56	1.43
22	7	312	CLA	CHD-C1D	4.18	1.46	1.38
22	1	306	CLA	CHD-C4C	4.18	1.48	1.39
22	A	802	CLA	C1B-NB	-4.18	1.32	1.37
22	Z	201	CLA	C1B-NB	-4.18	1.32	1.37
22	B	809	CLA	O2A-CGA	4.18	1.45	1.33
29	7	314	5X6	C15-C14	4.18	1.56	1.43
22	2	308	CLA	CHC-C4B	4.18	1.48	1.39
22	2	310	CLA	CHD-C4C	4.18	1.48	1.39
29	5	313	5X6	C24-C25	4.17	1.56	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	836	CLA	O2A-CGA	4.17	1.45	1.33
22	5	302	CLA	O2A-CGA	4.17	1.45	1.33
22	1	303	CLA	CHD-C4C	4.17	1.48	1.39
22	3	302	CLA	CHD-C4C	4.17	1.48	1.39
29	O	207	5X6	C16-C17	4.17	1.54	1.46
22	7	310	CLA	CHD-C4C	4.17	1.48	1.39
22	A	858	CLA	O2D-CGD	4.17	1.43	1.33
22	6	308	CLA	CHD-C1D	4.17	1.46	1.38
22	B	814	CLA	O2A-CGA	4.17	1.45	1.33
22	B	807	CLA	O2A-CGA	4.16	1.45	1.33
22	7	311	CLA	CHD-C4C	4.16	1.48	1.39
22	2	309	CLA	CHD-C4C	4.16	1.48	1.39
22	4	310	CLA	C1D-ND	4.16	1.43	1.37
22	A	831	CLA	O2D-CGD	4.16	1.43	1.33
29	5	312	5X6	C15-C14	4.16	1.56	1.43
22	O	204	CLA	CHD-C4C	4.15	1.48	1.39
22	5	304	CLA	CHD-C4C	4.15	1.48	1.39
29	7	315	5X6	C19-C18	4.15	1.56	1.43
22	K	101	CLA	CHD-C1D	4.15	1.46	1.38
22	J	102	CLA	CHD-C4C	4.15	1.48	1.39
22	6	308	CLA	C1D-ND	4.15	1.43	1.37
29	3	306	5X6	C15-C14	4.15	1.56	1.43
22	B	811	CLA	O2A-CGA	4.15	1.45	1.33
22	4	312	CLA	CHD-C1D	4.15	1.46	1.38
29	3	306	5X6	C24-C25	4.15	1.56	1.43
22	B	836	CLA	CHC-C1C	4.14	1.46	1.38
22	2	309	CLA	CHD-C1D	4.14	1.46	1.38
29	1	316	5X6	C19-C18	4.14	1.56	1.43
22	B	834	CLA	CHC-C1C	4.14	1.46	1.38
22	4	308	CLA	CHC-C4B	4.14	1.48	1.39
22	7	312	CLA	CHC-C4B	4.14	1.48	1.39
29	O	208	5X6	C24-C25	4.14	1.56	1.43
29	2	313	5X6	C19-C18	4.14	1.56	1.43
22	A	802	CLA	O2D-CGD	4.13	1.43	1.33
22	4	302	CLA	CHD-C1D	4.13	1.46	1.38
29	2	312	5X6	C19-C18	4.13	1.56	1.43
29	4	315	5X6	C24-C25	4.13	1.56	1.43
22	B	828	CLA	O2A-CGA	4.13	1.45	1.33
22	5	306	CLA	O2A-CGA	4.13	1.45	1.33
22	B	810	CLA	O2A-CGA	4.13	1.45	1.33
22	A	818	CLA	O2D-CGD	4.13	1.43	1.33
22	7	312	CLA	CHD-C4C	4.13	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	2	314	5X6	C24-C25	4.13	1.56	1.43
22	4	312	CLA	CHD-C4C	4.13	1.48	1.39
22	B	837	CLA	CHC-C1C	4.12	1.46	1.38
29	5	313	5X6	C15-C14	4.12	1.56	1.43
22	4	309	CLA	CHD-C1D	4.12	1.46	1.38
21	A	801	CL0	CHC-C4B	4.12	1.46	1.39
29	M	101	5X6	C23-C22	4.12	1.54	1.46
22	B	838	CLA	O2A-CGA	4.12	1.45	1.33
22	4	307	CLA	C1D-ND	4.12	1.43	1.37
22	B	836	CLA	O2D-CGD	4.12	1.43	1.33
29	Z	206	5X6	C15-C14	4.12	1.55	1.43
29	7	317	5X6	C16-C17	4.12	1.54	1.46
22	4	311	CLA	CHD-C1D	4.11	1.46	1.38
22	7	308	CLA	CHD-C4C	4.11	1.48	1.39
22	B	803	CLA	O2A-CGA	4.11	1.45	1.33
22	A	826	CLA	O2D-CGD	4.11	1.43	1.33
22	A	859	CLA	O2A-CGA	4.11	1.45	1.33
22	A	813	CLA	CHC-C1C	4.11	1.46	1.38
22	2	311	CLA	CHC-C4B	4.11	1.48	1.39
22	B	809	CLA	C3C-C2C	4.10	1.45	1.36
22	A	824	CLA	O2A-CGA	4.10	1.45	1.33
22	4	302	CLA	CHC-C4B	4.10	1.48	1.39
29	2	312	5X6	C24-C25	4.10	1.55	1.43
22	O	205	CLA	CHD-C4C	4.10	1.48	1.39
22	A	839	CLA	O2A-CGA	4.10	1.45	1.33
22	A	806	CLA	C3C-C2C	4.10	1.45	1.36
22	3	305	CLA	CHD-C1D	4.10	1.46	1.38
22	B	803	CLA	C3C-C2C	4.10	1.45	1.36
22	B	832	CLA	O2A-CGA	4.10	1.45	1.33
22	J	102	CLA	CHD-C1D	4.10	1.46	1.38
29	2	312	5X6	C15-C14	4.10	1.55	1.43
22	B	825	CLA	C1B-NB	-4.10	1.32	1.37
22	A	816	CLA	O2D-CGD	4.09	1.43	1.33
22	O	204	CLA	CHC-C4B	4.09	1.48	1.39
22	7	308	CLA	CHC-C4B	4.09	1.48	1.39
22	A	825	CLA	CHC-C4B	4.09	1.48	1.39
22	A	834	CLA	CHD-C4C	4.09	1.48	1.39
22	L	205	CLA	CHD-C1D	4.09	1.46	1.38
22	6	308	CLA	CHD-C4C	4.09	1.48	1.39
29	1	316	5X6	C20-C21	4.09	1.55	1.43
29	7	314	5X6	C19-C18	4.09	1.55	1.43
29	7	316	5X6	C24-C25	4.09	1.55	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	1	314	5X6	C19-C18	4.09	1.55	1.43
22	A	805	CLA	CHD-C1D	4.09	1.46	1.38
22	A	834	CLA	C1D-ND	4.09	1.43	1.37
22	A	811	CLA	O2D-CGD	4.09	1.43	1.33
22	O	204	CLA	CHD-C1D	4.09	1.46	1.38
22	A	835	CLA	O2A-CGA	4.08	1.45	1.33
22	7	309	CLA	CHD-C4C	4.08	1.48	1.39
22	A	823	CLA	O2A-CGA	4.08	1.45	1.33
29	2	314	5X6	C19-C18	4.08	1.55	1.43
22	6	313	CLA	CHD-C4C	4.08	1.48	1.39
22	B	801	CLA	O2D-CGD	4.08	1.43	1.33
29	4	313	5X6	C19-C18	4.08	1.55	1.43
22	1	302	CLA	CHD-C1D	4.08	1.46	1.38
22	A	828	CLA	O2D-CGD	4.07	1.43	1.33
29	6	316	5X6	C24-C25	4.07	1.55	1.43
22	1	304	CLA	C1D-ND	4.07	1.43	1.37
29	7	318	5X6	C19-C18	4.07	1.55	1.43
29	6	317	5X6	C16-C17	4.07	1.54	1.46
22	A	831	CLA	CHC-C1C	4.07	1.46	1.38
22	6	312	CLA	CHD-C1D	4.07	1.46	1.38
22	Z	204	CLA	CHC-C1C	4.06	1.46	1.38
29	7	317	5X6	C19-C18	4.06	1.55	1.43
22	6	309	CLA	CHD-C4C	4.06	1.48	1.39
29	1	316	5X6	C15-C14	4.06	1.55	1.43
29	7	316	5X6	C19-C18	4.06	1.55	1.43
22	4	311	CLA	CHC-C4B	4.06	1.48	1.39
22	B	819	CLA	O2A-CGA	4.06	1.45	1.33
22	7	304	CLA	CHD-C4C	4.06	1.48	1.39
22	B	826	CLA	O2D-CGD	4.06	1.43	1.33
22	A	816	CLA	CHC-C1C	4.06	1.46	1.38
22	A	839	CLA	C1D-ND	4.05	1.43	1.37
22	B	830	CLA	C3D-C2D	4.05	1.50	1.39
22	L	205	CLA	C3D-C2D	4.05	1.50	1.39
22	6	313	CLA	CHD-C1D	4.05	1.46	1.38
29	O	208	5X6	C19-C18	4.05	1.55	1.43
29	6	315	5X6	C33-C32	4.05	1.58	1.52
29	7	315	5X6	C20-C21	4.05	1.55	1.43
22	O	206	CLA	O2A-CGA	4.05	1.45	1.33
22	7	313	CLA	CHC-C4B	4.05	1.48	1.39
22	A	809	CLA	CHD-C4C	4.05	1.48	1.39
22	6	303	CLA	CHD-C4C	4.04	1.48	1.39
22	A	817	CLA	C3D-C2D	4.04	1.50	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	805	CLA	CHC-C1C	4.04	1.46	1.38
22	A	830	CLA	CHC-C1C	4.04	1.46	1.38
29	2	312	5X6	C20-C21	4.04	1.55	1.43
22	B	803	CLA	CHC-C1C	4.04	1.46	1.38
22	L	204	CLA	CHD-C4C	4.04	1.48	1.39
22	A	834	CLA	C1B-NB	-4.04	1.32	1.37
22	4	311	CLA	CHD-C4C	4.04	1.48	1.39
22	6	310	CLA	C1D-ND	4.04	1.43	1.37
22	5	301	CLA	CHD-C1D	4.04	1.46	1.38
22	A	818	CLA	CHC-C1C	4.04	1.46	1.38
22	4	304	CLA	CHD-C1D	4.04	1.46	1.38
22	4	305	CLA	C1D-ND	4.04	1.43	1.37
22	A	859	CLA	CHB-C1B	4.04	1.48	1.39
29	4	314	5X6	C15-C14	4.03	1.55	1.43
22	B	822	CLA	CHC-C1C	4.03	1.46	1.38
29	4	315	5X6	C19-C18	4.03	1.55	1.43
22	B	821	CLA	C1D-ND	4.03	1.43	1.37
29	O	208	5X6	C20-C21	4.03	1.55	1.43
22	B	827	CLA	CHC-C1C	4.03	1.46	1.38
29	5	314	5X6	C24-C25	4.03	1.55	1.43
22	4	312	CLA	CHC-C4B	4.03	1.48	1.39
29	5	312	5X6	C24-C25	4.03	1.55	1.43
22	2	307	CLA	CHC-C4B	4.03	1.48	1.39
22	A	811	CLA	O2A-CGA	4.03	1.45	1.33
29	7	318	5X6	C15-C14	4.03	1.55	1.43
22	B	812	CLA	CHD-C1D	4.03	1.46	1.38
29	5	314	5X6	C19-C18	4.03	1.55	1.43
29	1	312	5X6	C19-C18	4.02	1.55	1.43
22	L	205	CLA	CHC-C4B	4.02	1.48	1.39
22	A	823	CLA	CHC-C1C	4.02	1.46	1.38
22	1	305	CLA	CHD-C1D	4.02	1.46	1.38
22	7	311	CLA	CHC-C4B	4.02	1.48	1.39
22	B	822	CLA	O2A-CGA	4.02	1.45	1.33
29	M	101	5X6	C19-C18	4.02	1.55	1.43
22	B	812	CLA	C1D-ND	4.02	1.43	1.37
22	A	838	CLA	C1B-NB	-4.02	1.32	1.37
22	6	312	CLA	CHD-C4C	4.02	1.48	1.39
22	6	314	CLA	CHD-C4C	4.02	1.48	1.39
22	1	303	CLA	CHD-C1D	4.02	1.46	1.38
22	6	304	CLA	O2A-CGA	4.02	1.45	1.33
29	4	313	5X6	C20-C21	4.02	1.55	1.43
22	A	803	CLA	C4B-NB	-4.02	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	2	312	5X6	C33-C32	4.02	1.58	1.52
29	6	316	5X6	C19-C18	4.02	1.55	1.43
29	7	315	5X6	C15-C14	4.02	1.55	1.43
22	B	849	CLA	C1B-NB	-4.01	1.32	1.37
22	2	309	CLA	CHC-C4B	4.01	1.48	1.39
22	2	310	CLA	CHC-C4B	4.01	1.48	1.39
22	5	311	CLA	CHD-C4C	4.01	1.48	1.39
22	2	303	CLA	C3D-C2D	4.01	1.49	1.39
22	B	820	CLA	C1D-ND	4.01	1.43	1.37
22	L	204	CLA	O2A-CGA	4.01	1.45	1.33
29	6	315	5X6	C24-C25	4.01	1.55	1.43
29	5	312	5X6	C19-C18	4.01	1.55	1.43
22	6	306	CLA	CHD-C1D	4.01	1.46	1.38
22	L	204	CLA	CHD-C1D	4.01	1.46	1.38
22	4	307	CLA	CHD-C4C	4.01	1.48	1.39
22	B	818	CLA	O2D-CGD	4.00	1.43	1.33
22	A	802	CLA	CHC-C1C	4.00	1.46	1.38
22	B	810	CLA	CHC-C1C	4.00	1.46	1.38
22	2	303	CLA	CHC-C4B	4.00	1.48	1.39
22	A	848	CLA	O2D-CGD	4.00	1.43	1.33
29	2	313	5X6	C15-C14	4.00	1.55	1.43
29	1	311	5X6	C19-C18	4.00	1.55	1.43
22	A	836	CLA	O2A-CGA	4.00	1.45	1.33
29	1	314	5X6	C20-C21	4.00	1.55	1.43
22	6	310	CLA	CHD-C1D	4.00	1.46	1.38
22	A	822	CLA	CHC-C1C	4.00	1.46	1.38
22	3	304	CLA	CHC-C4B	4.00	1.48	1.39
22	A	826	CLA	C4B-NB	-3.99	1.32	1.37
29	6	317	5X6	C24-C25	3.99	1.55	1.43
29	7	317	5X6	C15-C14	3.99	1.55	1.43
29	5	321	5X6	C15-C14	3.99	1.55	1.43
29	7	316	5X6	C15-C14	3.99	1.55	1.43
22	A	826	CLA	O2A-CGA	3.99	1.45	1.33
22	A	839	CLA	C3D-C2D	3.99	1.49	1.39
22	1	305	CLA	CHD-C4C	3.99	1.48	1.39
29	J	104	5X6	C15-C14	3.99	1.55	1.43
22	6	311	CLA	C1D-ND	3.99	1.43	1.37
29	7	314	5X6	C20-C21	3.99	1.55	1.43
29	4	313	5X6	C24-C25	3.99	1.55	1.43
22	5	307	CLA	CHD-C4C	3.99	1.48	1.39
29	4	315	5X6	C15-C14	3.99	1.55	1.43
22	A	807	CLA	O2A-CGA	3.98	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	1	313	5X6	C24-C25	3.98	1.55	1.43
29	O	208	5X6	C15-C14	3.98	1.55	1.43
22	B	809	CLA	CHD-C1D	3.98	1.46	1.38
22	1	305	CLA	CHC-C4B	3.98	1.48	1.39
22	K	102	CLA	C1D-ND	3.98	1.43	1.37
22	A	825	CLA	O2A-CGA	3.98	1.44	1.33
22	A	848	CLA	CHC-C1C	3.98	1.46	1.38
29	1	314	5X6	C15-C14	3.98	1.55	1.43
22	B	829	CLA	CHC-C1C	3.97	1.46	1.38
29	5	321	5X6	C19-C18	3.97	1.55	1.43
28	B	845	DGD	O1G-C1A	3.97	1.44	1.33
22	6	306	CLA	CHD-C4C	3.97	1.48	1.39
22	5	301	CLA	C1D-ND	3.97	1.43	1.37
22	1	302	CLA	CHD-C4C	3.97	1.48	1.39
22	B	818	CLA	O2A-CGA	3.97	1.44	1.33
29	1	312	5X6	C24-C25	3.97	1.55	1.43
22	B	833	CLA	CHD-C1D	3.97	1.46	1.38
22	B	813	CLA	CHC-C1C	3.97	1.46	1.38
22	6	303	CLA	CHD-C1D	3.97	1.46	1.38
22	B	826	CLA	O2A-CGA	3.96	1.44	1.33
22	B	833	CLA	O2A-CGA	3.96	1.44	1.33
22	A	806	CLA	O2A-CGA	3.96	1.44	1.33
22	5	302	CLA	CHC-C4B	3.96	1.48	1.39
29	1	313	5X6	C19-C18	3.96	1.55	1.43
22	4	305	CLA	CHB-C1B	3.96	1.48	1.39
22	A	835	CLA	C3D-C2D	3.96	1.49	1.39
22	6	304	CLA	CHC-C4B	3.96	1.48	1.39
22	A	803	CLA	C1B-NB	-3.96	1.32	1.37
22	A	857	CLA	CHC-C1C	3.96	1.46	1.38
22	4	304	CLA	CHD-C4C	3.96	1.48	1.39
29	J	104	5X6	C24-C25	3.96	1.55	1.43
22	7	310	CLA	C3D-C2D	3.96	1.49	1.39
22	A	820	CLA	CHB-C1B	3.96	1.48	1.39
29	Z	206	5X6	C28-C29	3.95	1.58	1.45
22	J	102	CLA	C3D-C2D	3.95	1.49	1.39
22	4	309	CLA	CHD-C4C	3.95	1.48	1.39
29	3	306	5X6	C19-C18	3.95	1.55	1.43
22	1	310	CLA	C3D-C2D	3.95	1.49	1.39
22	4	305	CLA	CHD-C1D	3.95	1.46	1.38
22	B	813	CLA	CHB-C1B	3.95	1.48	1.39
22	4	304	CLA	C1B-NB	-3.95	1.32	1.37
22	6	309	CLA	C1D-ND	3.95	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	5	321	5X6	C24-C25	3.95	1.55	1.43
29	Z	206	5X6	C19-C18	3.95	1.55	1.43
22	5	310	CLA	CHD-C4C	3.95	1.48	1.39
22	A	838	CLA	O2D-CGD	3.95	1.42	1.33
29	4	315	5X6	C20-C21	3.95	1.55	1.43
21	A	801	CL0	CHB-C1B	3.95	1.46	1.39
22	A	830	CLA	C1D-ND	3.95	1.43	1.37
22	5	306	CLA	C1D-ND	3.95	1.43	1.37
29	7	318	5X6	C24-C25	3.95	1.55	1.43
22	1	307	CLA	CHC-C4B	3.95	1.48	1.39
22	4	306	CLA	CHC-C4B	3.95	1.48	1.39
22	A	828	CLA	CHC-C1C	3.95	1.46	1.38
22	7	304	CLA	OBD-CAD	3.94	1.29	1.22
29	J	104	5X6	C33-C32	3.94	1.57	1.52
22	A	824	CLA	CHC-C1C	3.94	1.46	1.38
22	A	825	CLA	CHB-C1B	3.94	1.48	1.39
29	5	321	5X6	C20-C21	3.94	1.55	1.43
29	6	316	5X6	C15-C14	3.94	1.55	1.43
29	1	313	5X6	C15-C14	3.94	1.55	1.43
29	Z	206	5X6	C20-C21	3.94	1.55	1.43
22	A	836	CLA	CHC-C1C	3.94	1.46	1.38
22	B	831	CLA	O2A-CGA	3.94	1.44	1.33
22	A	809	CLA	CHC-C4B	3.94	1.48	1.39
28	B	845	DGD	O2G-C1B	3.93	1.45	1.34
22	7	306	CLA	CHC-C4B	3.93	1.48	1.39
22	B	801	CLA	CHC-C1C	3.93	1.46	1.38
22	1	307	CLA	CHD-C4C	3.93	1.48	1.39
29	4	314	5X6	C20-C21	3.93	1.55	1.43
22	K	102	CLA	CHD-C1D	3.93	1.46	1.38
22	B	815	CLA	CHD-C1D	3.93	1.46	1.38
29	7	315	5X6	C24-C25	3.93	1.55	1.43
22	4	302	CLA	OBD-CAD	3.93	1.29	1.22
22	A	805	CLA	O2D-CGD	3.93	1.42	1.33
29	6	316	5X6	C33-C32	3.93	1.57	1.52
22	A	839	CLA	C1B-NB	-3.93	1.32	1.37
22	B	805	CLA	O2A-CGA	3.93	1.44	1.33
22	B	808	CLA	O2A-CGA	3.93	1.44	1.33
22	5	305	CLA	CHC-C4B	3.93	1.48	1.39
22	3	304	CLA	C3D-C2D	3.93	1.49	1.39
22	4	310	CLA	CHD-C1D	3.93	1.46	1.38
22	B	814	CLA	O2D-CGD	3.93	1.42	1.33
29	1	314	5X6	C24-C25	3.93	1.55	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	1	304	CLA	CHD-C1D	3.93	1.46	1.38
22	2	306	CLA	CHC-C4B	3.92	1.48	1.39
22	B	829	CLA	C4B-NB	-3.92	1.32	1.37
29	B	851	5X6	C24-C25	3.92	1.55	1.43
22	L	203	CLA	CHD-C1D	3.92	1.46	1.38
29	1	311	5X6	C24-C25	3.92	1.55	1.43
22	B	824	CLA	C1B-NB	-3.92	1.32	1.37
29	M	101	5X6	C15-C14	3.92	1.55	1.43
22	5	304	CLA	CHB-C1B	3.92	1.48	1.39
29	4	313	5X6	C15-C14	3.92	1.55	1.43
22	B	808	CLA	OBD-CAD	3.92	1.29	1.22
22	4	308	CLA	CHD-C4C	3.92	1.48	1.39
22	5	303	CLA	CHD-C1D	3.92	1.46	1.38
22	6	306	CLA	CHB-C1B	3.92	1.48	1.39
22	O	203	CLA	CHC-C1C	3.91	1.46	1.38
22	B	826	CLA	CHB-C1B	3.91	1.48	1.39
22	B	834	CLA	C1D-ND	3.91	1.43	1.37
21	A	801	CL0	CHB-C4A	-3.91	1.33	1.38
22	4	302	CLA	CHB-C1B	3.91	1.48	1.39
22	B	813	CLA	C1B-NB	-3.91	1.32	1.37
22	1	308	CLA	CHC-C4B	3.91	1.48	1.39
22	B	803	CLA	C1B-NB	-3.91	1.32	1.37
29	7	318	5X6	C20-C21	3.91	1.55	1.43
22	K	101	CLA	CHD-C4C	3.91	1.48	1.39
22	A	832	CLA	CHC-C4B	3.91	1.48	1.39
29	2	313	5X6	C20-C21	3.90	1.55	1.43
22	A	833	CLA	C1B-NB	-3.90	1.32	1.37
22	Z	204	CLA	C1D-ND	3.90	1.43	1.37
22	4	310	CLA	C1B-NB	-3.90	1.32	1.37
22	A	803	CLA	C3C-C2C	3.90	1.45	1.36
29	7	317	5X6	C24-C25	3.90	1.55	1.43
22	4	302	CLA	C3D-C2D	3.90	1.49	1.39
22	1	305	CLA	C3D-C2D	3.90	1.49	1.39
29	1	311	5X6	C15-C14	3.90	1.55	1.43
22	A	806	CLA	C4B-NB	-3.90	1.32	1.37
22	3	302	CLA	CHC-C4B	3.90	1.48	1.39
29	5	313	5X6	C19-C18	3.90	1.55	1.43
22	6	309	CLA	C3D-C2D	3.90	1.49	1.39
29	2	314	5X6	C20-C21	3.89	1.55	1.43
22	2	309	CLA	C3D-C2D	3.89	1.49	1.39
22	6	313	CLA	CHC-C4B	3.89	1.48	1.39
22	6	311	CLA	C3D-C2D	3.89	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	836	CLA	C1D-ND	3.89	1.43	1.37
22	3	303	CLA	C3D-C2D	3.89	1.49	1.39
22	3	305	CLA	C3D-C2D	3.89	1.49	1.39
29	7	316	5X6	C20-C21	3.89	1.55	1.43
29	3	306	5X6	C20-C21	3.89	1.55	1.43
22	O	205	CLA	CHC-C4B	3.89	1.48	1.39
29	1	313	5X6	C20-C21	3.89	1.55	1.43
29	6	317	5X6	C20-C21	3.89	1.55	1.43
22	B	833	CLA	OBD-CAD	3.89	1.29	1.22
22	B	811	CLA	C1B-NB	-3.88	1.32	1.37
22	A	812	CLA	C3D-C2D	3.88	1.49	1.39
22	2	310	CLA	C3D-C2D	3.88	1.49	1.39
22	L	203	CLA	CHD-C4C	3.88	1.48	1.39
22	B	831	CLA	CHC-C1C	3.88	1.46	1.38
22	B	826	CLA	CHC-C1C	3.88	1.46	1.38
22	4	309	CLA	CHC-C4B	3.88	1.48	1.39
22	3	303	CLA	CHC-C4B	3.88	1.48	1.39
22	A	805	CLA	CHB-C1B	3.88	1.48	1.39
22	7	310	CLA	CHC-C4B	3.88	1.48	1.39
22	A	817	CLA	CHC-C1C	3.87	1.46	1.38
22	A	809	CLA	OBD-CAD	3.87	1.29	1.22
22	7	312	CLA	C3D-C2D	3.87	1.49	1.39
22	B	838	CLA	C4B-NB	-3.87	1.32	1.37
22	O	203	CLA	CHB-C1B	3.87	1.48	1.39
22	A	827	CLA	O2A-CGA	3.87	1.44	1.33
22	F	205	CLA	CHB-C1B	3.87	1.48	1.39
29	2	314	5X6	C15-C14	3.87	1.55	1.43
22	A	819	CLA	C3D-C2D	3.87	1.49	1.39
22	4	302	CLA	CHD-C4C	3.87	1.48	1.39
22	A	804	CLA	C1B-NB	-3.87	1.32	1.37
22	B	831	CLA	CHD-C1D	3.87	1.46	1.38
29	7	317	5X6	C33-C32	3.87	1.57	1.52
22	6	305	CLA	CHD-C4C	3.87	1.48	1.39
22	A	808	CLA	CHD-C1D	3.87	1.46	1.38
22	2	302	CLA	CHC-C4B	3.87	1.48	1.39
29	B	851	5X6	C15-C14	3.86	1.55	1.43
22	B	849	CLA	C4B-NB	-3.86	1.32	1.37
22	B	823	CLA	C1D-ND	3.86	1.42	1.37
22	2	308	CLA	OBD-CAD	3.86	1.29	1.22
22	7	303	CLA	CHC-C4B	3.86	1.48	1.39
22	2	308	CLA	C3D-C2D	3.86	1.49	1.39
29	M	101	5X6	C24-C25	3.86	1.55	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	5	305	CLA	C3D-C2D	3.86	1.49	1.39
22	A	859	CLA	C1B-NB	-3.86	1.32	1.37
22	5	302	CLA	C3D-C2D	3.86	1.49	1.39
22	B	834	CLA	O2D-CGD	3.86	1.42	1.33
22	5	306	CLA	C3D-C2D	3.86	1.49	1.39
22	O	203	CLA	C4B-NB	-3.86	1.32	1.37
22	B	835	CLA	CHC-C4B	3.86	1.48	1.39
22	B	821	CLA	CHD-C1D	3.86	1.45	1.38
22	O	205	CLA	CHD-C1D	3.86	1.45	1.38
22	B	806	CLA	C3D-C2D	3.86	1.49	1.39
29	6	315	5X6	C15-C14	3.86	1.55	1.43
22	5	311	CLA	C3D-C2D	3.86	1.49	1.39
22	7	309	CLA	C3D-C2D	3.85	1.49	1.39
22	7	313	CLA	C3D-C2D	3.85	1.49	1.39
22	A	831	CLA	C3D-C2D	3.85	1.49	1.39
22	6	309	CLA	CHC-C4B	3.85	1.48	1.39
22	O	203	CLA	C1D-ND	3.85	1.42	1.37
22	2	305	CLA	CHC-C4B	3.85	1.48	1.39
22	A	821	CLA	CHC-C1C	3.85	1.46	1.38
22	A	802	CLA	CHC-C4B	3.85	1.48	1.39
22	A	804	CLA	CHB-C1B	3.85	1.48	1.39
29	1	312	5X6	C20-C21	3.85	1.55	1.43
22	A	807	CLA	O2D-CGD	3.85	1.42	1.33
22	A	833	CLA	C3D-C2D	3.85	1.49	1.39
29	5	314	5X6	C15-C14	3.85	1.55	1.43
22	7	311	CLA	C3D-C2D	3.84	1.49	1.39
29	J	104	5X6	C19-C18	3.84	1.55	1.43
22	1	310	CLA	CHD-C1D	3.84	1.45	1.38
22	7	305	CLA	CHC-C4B	3.84	1.48	1.39
22	2	306	CLA	C3D-C2D	3.84	1.49	1.39
22	A	838	CLA	CHC-C1C	3.84	1.46	1.38
29	2	313	5X6	C33-C32	3.84	1.57	1.52
29	6	316	5X6	C20-C21	3.84	1.55	1.43
29	5	313	5X6	C20-C21	3.84	1.55	1.43
22	F	204	CLA	CHC-C1C	3.84	1.46	1.38
22	7	304	CLA	CHD-C1D	3.84	1.45	1.38
22	2	305	CLA	C3D-C2D	3.84	1.49	1.39
22	A	811	CLA	CHB-C1B	3.84	1.48	1.39
29	Z	206	5X6	C24-C25	3.84	1.55	1.43
22	4	306	CLA	C3D-C2D	3.84	1.49	1.39
22	1	309	CLA	C3D-C2D	3.84	1.49	1.39
22	B	834	CLA	C1B-NB	-3.84	1.32	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	835	CLA	C1D-ND	3.84	1.42	1.37
22	A	822	CLA	C3D-C2D	3.84	1.49	1.39
22	7	313	CLA	OBD-CAD	3.84	1.29	1.22
22	5	307	CLA	CHD-C1D	3.84	1.45	1.38
22	1	306	CLA	C3D-C2D	3.83	1.49	1.39
22	B	816	CLA	CHC-C1C	3.83	1.46	1.38
22	2	307	CLA	C3D-C2D	3.83	1.49	1.39
22	B	801	CLA	O2A-CGA	3.83	1.44	1.33
22	6	310	CLA	CHC-C4B	3.83	1.48	1.39
22	A	836	CLA	C3D-C2D	3.83	1.49	1.39
22	B	805	CLA	CHD-C1D	3.83	1.45	1.38
22	1	303	CLA	CHC-C4B	3.83	1.48	1.39
22	6	314	CLA	CHC-C4B	3.83	1.48	1.39
29	6	315	5X6	C19-C18	3.83	1.55	1.43
29	6	317	5X6	C15-C14	3.83	1.55	1.43
29	5	314	5X6	C20-C21	3.83	1.55	1.43
29	3	306	5X6	C33-C32	3.83	1.57	1.52
22	O	204	CLA	C3D-C2D	3.83	1.49	1.39
22	4	307	CLA	CHD-C1D	3.83	1.45	1.38
22	A	834	CLA	CHC-C4B	3.83	1.48	1.39
22	2	302	CLA	C3D-C2D	3.82	1.49	1.39
29	7	317	5X6	C20-C21	3.82	1.55	1.43
22	6	312	CLA	C3D-C2D	3.82	1.49	1.39
22	5	306	CLA	CHD-C4C	3.82	1.47	1.39
22	B	849	CLA	CHB-C1B	3.82	1.48	1.39
22	7	307	CLA	CHC-C4B	3.82	1.48	1.39
22	B	824	CLA	C3D-C2D	3.82	1.49	1.39
22	B	809	CLA	CHC-C1C	3.82	1.46	1.38
22	6	310	CLA	C3D-C2D	3.82	1.49	1.39
22	6	309	CLA	CHD-C1D	3.82	1.45	1.38
22	A	823	CLA	CHB-C1B	3.82	1.48	1.39
22	A	830	CLA	CHD-C1D	3.82	1.45	1.38
22	4	308	CLA	C1D-ND	3.82	1.42	1.37
29	1	312	5X6	C15-C14	3.82	1.55	1.43
22	A	803	CLA	CHC-C1C	3.82	1.46	1.38
29	M	101	5X6	C20-C21	3.81	1.55	1.43
22	B	811	CLA	CHD-C4C	3.81	1.47	1.39
22	B	819	CLA	CHD-C1D	3.81	1.45	1.38
29	6	315	5X6	C20-C21	3.81	1.55	1.43
22	B	850	CLA	CHC-C4B	3.81	1.48	1.39
22	F	206	CLA	CHC-C4B	3.81	1.48	1.39
22	3	301	CLA	C3D-C2D	3.81	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	2	314	5X6	C28-C29	3.81	1.58	1.45
22	O	204	CLA	CHB-C1B	3.81	1.48	1.39
22	1	306	CLA	CHC-C4B	3.81	1.48	1.39
22	A	823	CLA	C1B-NB	-3.81	1.32	1.37
29	4	314	5X6	C24-C25	3.81	1.55	1.43
22	2	304	CLA	CHC-C4B	3.81	1.48	1.39
22	L	205	CLA	CHD-C4C	3.81	1.47	1.39
22	6	303	CLA	CHC-C4B	3.81	1.48	1.39
29	O	207	5X6	C24-C25	3.80	1.55	1.43
22	O	206	CLA	CHC-C4B	3.80	1.47	1.39
22	Z	204	CLA	CHD-C1D	3.80	1.45	1.38
29	5	312	5X6	C20-C21	3.80	1.55	1.43
22	B	823	CLA	CHD-C1D	3.80	1.45	1.38
29	5	314	5X6	C33-C32	3.80	1.57	1.52
22	O	205	CLA	C3D-C2D	3.80	1.49	1.39
22	7	311	CLA	OBD-CAD	3.80	1.29	1.22
22	5	306	CLA	CHB-C1B	3.79	1.47	1.39
29	B	851	5X6	C20-C21	3.79	1.54	1.43
22	B	850	CLA	C3D-C2D	3.79	1.49	1.39
22	A	827	CLA	C3D-C2D	3.79	1.49	1.39
22	1	307	CLA	CHB-C1B	3.79	1.47	1.39
22	5	306	CLA	CHD-C1D	3.79	1.45	1.38
22	5	308	CLA	C1D-ND	3.79	1.42	1.37
22	A	819	CLA	C4B-NB	-3.79	1.32	1.37
22	B	850	CLA	OBD-CAD	3.79	1.29	1.22
22	A	813	CLA	C3D-C2D	3.79	1.49	1.39
22	2	302	CLA	OBD-CAD	3.79	1.29	1.22
22	B	850	CLA	CHB-C1B	3.79	1.47	1.39
22	1	308	CLA	CHB-C1B	3.79	1.47	1.39
22	1	304	CLA	CHD-C4C	3.79	1.47	1.39
22	A	810	CLA	CHB-C1B	3.79	1.47	1.39
29	7	316	5X6	C28-C29	3.78	1.58	1.45
22	4	308	CLA	CHD-C1D	3.78	1.45	1.38
22	O	204	CLA	OBD-CAD	3.78	1.29	1.22
22	L	203	CLA	C3D-C2D	3.78	1.49	1.39
22	5	306	CLA	CHC-C4B	3.78	1.47	1.39
22	2	306	CLA	OBD-CAD	3.78	1.29	1.22
22	1	302	CLA	C3D-C2D	3.78	1.49	1.39
22	A	839	CLA	CHB-C1B	3.78	1.47	1.39
22	B	805	CLA	CHB-C1B	3.78	1.47	1.39
22	7	310	CLA	OBD-CAD	3.78	1.29	1.22
22	3	302	CLA	CHB-C1B	3.78	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	1	311	5X6	C33-C32	3.78	1.57	1.52
22	1	308	CLA	C3D-C2D	3.78	1.49	1.39
22	6	313	CLA	C3D-C2D	3.78	1.49	1.39
22	1	306	CLA	CHB-C1B	3.78	1.47	1.39
29	O	207	5X6	C19-C18	3.78	1.54	1.43
22	A	811	CLA	CHC-C1C	3.78	1.46	1.38
22	3	305	CLA	OBD-CAD	3.78	1.29	1.22
22	A	802	CLA	C4B-NB	-3.78	1.32	1.37
22	6	306	CLA	C3D-C2D	3.78	1.49	1.39
22	4	306	CLA	OBD-CAD	3.77	1.29	1.22
22	1	310	CLA	CHD-C4C	3.77	1.47	1.39
21	A	801	CL0	O2A-CGA	3.77	1.44	1.33
22	1	308	CLA	OBD-CAD	3.77	1.29	1.22
22	A	811	CLA	C1B-NB	-3.77	1.32	1.37
22	5	302	CLA	CHB-C1B	3.77	1.47	1.39
22	1	309	CLA	OBD-CAD	3.77	1.29	1.22
22	F	204	CLA	CHB-C1B	3.77	1.47	1.39
29	6	316	5X6	C28-C29	3.77	1.58	1.45
22	A	816	CLA	CHC-C4B	3.77	1.47	1.39
22	A	848	CLA	CHC-C4B	3.77	1.47	1.39
22	A	823	CLA	OBD-CAD	3.77	1.29	1.22
22	2	311	CLA	OBD-CAD	3.77	1.29	1.22
22	6	303	CLA	OBD-CAD	3.77	1.29	1.22
22	A	834	CLA	CHD-C1D	3.77	1.45	1.38
22	4	305	CLA	CHD-C4C	3.77	1.47	1.39
22	7	304	CLA	C3D-C2D	3.77	1.49	1.39
29	1	316	5X6	C33-C32	3.77	1.57	1.52
22	6	303	CLA	C3D-C2D	3.77	1.49	1.39
22	B	821	CLA	CHC-C4B	3.77	1.47	1.39
22	O	205	CLA	OBD-CAD	3.77	1.29	1.22
22	O	206	CLA	C3D-C2D	3.77	1.49	1.39
22	B	831	CLA	C1B-NB	-3.77	1.32	1.37
29	O	207	5X6	C15-C14	3.77	1.54	1.43
22	B	839	CLA	CHC-C4B	3.77	1.47	1.39
22	7	303	CLA	CHB-C1B	3.76	1.47	1.39
22	B	849	CLA	CHD-C1D	3.76	1.45	1.38
22	A	804	CLA	C3D-C2D	3.76	1.49	1.39
22	B	820	CLA	CHD-C1D	3.76	1.45	1.38
22	B	807	CLA	C1B-NB	-3.76	1.32	1.37
22	7	305	CLA	C3D-C2D	3.76	1.49	1.39
22	5	301	CLA	CHD-C4C	3.76	1.47	1.39
22	B	809	CLA	C1D-ND	3.76	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	5	308	CLA	CHC-C4B	3.76	1.47	1.39
22	J	102	CLA	C1B-NB	-3.76	1.32	1.37
22	6	314	CLA	C3D-C2D	3.76	1.49	1.39
22	B	817	CLA	C1B-NB	-3.76	1.32	1.37
22	B	814	CLA	C3D-C2D	3.76	1.49	1.39
22	B	831	CLA	C3D-C2D	3.76	1.49	1.39
22	B	831	CLA	CHD-C4C	3.76	1.47	1.39
29	B	851	5X6	C19-C18	3.75	1.54	1.43
22	B	834	CLA	CHB-C1B	3.75	1.47	1.39
22	A	832	CLA	C3D-C2D	3.75	1.49	1.39
22	5	310	CLA	CHC-C4B	3.75	1.47	1.39
22	J	102	CLA	OBD-CAD	3.75	1.28	1.22
22	K	101	CLA	C3D-C2D	3.75	1.49	1.39
29	1	312	5X6	C28-C29	3.75	1.57	1.45
22	B	802	CLA	CHC-C4B	3.75	1.47	1.39
22	5	301	CLA	C3D-C2D	3.75	1.49	1.39
22	B	827	CLA	CHB-C1B	3.75	1.47	1.39
22	B	821	CLA	CHD-C4C	3.75	1.47	1.39
22	A	822	CLA	CHD-C1D	3.75	1.45	1.38
22	7	308	CLA	C3D-C2D	3.75	1.49	1.39
22	1	309	CLA	CHC-C4B	3.75	1.47	1.39
25	A	844	BCR	C8-C9	-3.75	1.37	1.46
29	6	317	5X6	C19-C18	3.74	1.54	1.43
22	6	314	CLA	OBD-CAD	3.74	1.28	1.22
22	B	833	CLA	C1B-NB	-3.74	1.32	1.37
22	B	808	CLA	CHC-C1C	3.74	1.46	1.38
22	5	307	CLA	CHB-C1B	3.74	1.47	1.39
29	4	313	5X6	C33-C32	3.74	1.57	1.52
29	2	313	5X6	C28-C29	3.74	1.57	1.45
22	A	823	CLA	C1D-ND	3.74	1.42	1.37
22	6	310	CLA	CHD-C4C	3.74	1.47	1.39
22	5	302	CLA	C1D-ND	3.74	1.42	1.37
22	B	814	CLA	C1D-ND	3.73	1.42	1.37
22	3	301	CLA	OBD-CAD	3.73	1.28	1.22
29	7	314	5X6	C28-C29	3.73	1.57	1.45
22	Z	204	CLA	C1B-NB	-3.73	1.33	1.37
22	B	820	CLA	C3D-C2D	3.73	1.49	1.39
22	B	821	CLA	C3D-C2D	3.73	1.49	1.39
29	4	314	5X6	C28-C29	3.73	1.57	1.45
22	5	307	CLA	C3D-C2D	3.73	1.49	1.39
22	B	834	CLA	C3D-C2D	3.73	1.49	1.39
22	1	307	CLA	C3D-C2D	3.73	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	3	302	CLA	C3D-C2D	3.73	1.49	1.39
22	5	305	CLA	OBD-CAD	3.73	1.28	1.22
22	4	308	CLA	C3D-C2D	3.73	1.49	1.39
22	6	304	CLA	C3D-C2D	3.73	1.49	1.39
22	3	303	CLA	CHB-C1B	3.73	1.47	1.39
22	5	304	CLA	C3D-C2D	3.73	1.49	1.39
22	A	816	CLA	CHB-C1B	3.73	1.47	1.39
22	2	310	CLA	OBD-CAD	3.73	1.28	1.22
22	A	858	CLA	O2A-CGA	3.73	1.44	1.33
22	A	830	CLA	C3D-C2D	3.73	1.49	1.39
29	1	311	5X6	C20-C21	3.72	1.54	1.43
22	F	206	CLA	C1D-ND	3.72	1.42	1.37
22	A	857	CLA	C3D-C2D	3.72	1.49	1.39
22	F	205	CLA	CHC-C4B	3.72	1.47	1.39
29	O	208	5X6	C33-C32	3.72	1.57	1.52
22	A	848	CLA	C1B-NB	-3.72	1.33	1.37
22	Z	201	CLA	CHC-C4B	3.72	1.47	1.39
22	B	811	CLA	C3D-C2D	3.72	1.49	1.39
22	5	309	CLA	CHD-C4C	3.72	1.47	1.39
22	B	807	CLA	C1D-ND	3.72	1.42	1.37
22	A	857	CLA	CHC-C4B	3.72	1.47	1.39
22	7	309	CLA	OBD-CAD	3.72	1.28	1.22
22	7	307	CLA	C3D-C2D	3.72	1.49	1.39
29	7	314	5X6	C33-C32	3.72	1.57	1.52
29	4	315	5X6	C28-C29	3.72	1.57	1.45
22	6	307	CLA	OBD-CAD	3.72	1.28	1.22
22	B	833	CLA	C3D-C2D	3.72	1.49	1.39
22	Z	201	CLA	CHD-C1D	3.72	1.45	1.38
22	5	308	CLA	CHD-C1D	3.72	1.45	1.38
22	A	820	CLA	C1D-ND	3.72	1.42	1.37
22	A	832	CLA	CHC-C1C	3.72	1.45	1.38
22	5	311	CLA	OBD-CAD	3.72	1.28	1.22
22	A	823	CLA	C4B-NB	-3.72	1.33	1.37
22	6	310	CLA	OBD-CAD	3.72	1.28	1.22
22	5	307	CLA	CHC-C4B	3.71	1.47	1.39
22	6	305	CLA	CHD-C1D	3.71	1.45	1.38
22	B	825	CLA	C4B-NB	-3.71	1.33	1.37
22	2	309	CLA	CHB-C1B	3.71	1.47	1.39
22	K	101	CLA	CHC-C4B	3.71	1.47	1.39
22	1	305	CLA	OBD-CAD	3.71	1.28	1.22
22	2	311	CLA	C3D-C2D	3.71	1.49	1.39
22	A	833	CLA	CHD-C1D	3.71	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	824	CLA	C4B-NB	-3.71	1.33	1.37
22	B	803	CLA	O2D-CGD	3.71	1.42	1.33
29	2	312	5X6	C28-C29	3.71	1.57	1.45
22	4	303	CLA	C1D-ND	3.71	1.42	1.37
22	7	312	CLA	OBD-CAD	3.71	1.28	1.22
29	3	306	5X6	C28-C29	3.71	1.57	1.45
22	6	312	CLA	C1B-NB	-3.70	1.33	1.37
22	5	304	CLA	CHC-C4B	3.70	1.47	1.39
29	J	104	5X6	C20-C21	3.70	1.54	1.43
22	B	838	CLA	CHC-C4B	3.70	1.47	1.39
22	4	310	CLA	C4C-C3C	3.70	1.51	1.45
22	A	829	CLA	CHC-C4B	3.70	1.47	1.39
22	7	306	CLA	C3D-C2D	3.70	1.49	1.39
22	L	203	CLA	OBD-CAD	3.70	1.28	1.22
22	A	826	CLA	CHB-C1B	3.70	1.47	1.39
22	L	203	CLA	CHC-C4B	3.70	1.47	1.39
22	B	807	CLA	C3D-C2D	3.70	1.49	1.39
22	7	311	CLA	CHB-C1B	3.70	1.47	1.39
22	B	805	CLA	C1B-NB	-3.70	1.33	1.37
22	A	810	CLA	CHC-C1C	3.70	1.45	1.38
22	A	831	CLA	C1B-NB	-3.70	1.33	1.37
22	A	858	CLA	OBD-CAD	3.69	1.28	1.22
22	A	836	CLA	C1B-NB	-3.69	1.33	1.37
29	1	314	5X6	C33-C32	3.69	1.57	1.52
22	5	309	CLA	C3D-C2D	3.69	1.49	1.39
22	6	307	CLA	CHC-C4B	3.69	1.47	1.39
22	B	807	CLA	CHC-C4B	3.69	1.47	1.39
22	6	305	CLA	CHB-C1B	3.69	1.47	1.39
22	5	308	CLA	OBD-CAD	3.69	1.28	1.22
22	A	813	CLA	CHB-C1B	3.69	1.47	1.39
22	A	830	CLA	CHC-C4B	3.69	1.47	1.39
22	A	806	CLA	CHC-C1C	3.69	1.45	1.38
22	5	309	CLA	CHD-C1D	3.69	1.45	1.38
22	3	303	CLA	OBD-CAD	3.69	1.28	1.22
22	A	805	CLA	C3D-C2D	3.69	1.49	1.39
22	4	303	CLA	CHD-C4C	3.69	1.47	1.39
22	A	820	CLA	C3D-C2D	3.69	1.49	1.39
22	5	310	CLA	C3D-C2D	3.69	1.49	1.39
22	1	310	CLA	CHC-C4B	3.69	1.47	1.39
22	B	812	CLA	C3D-C2D	3.69	1.49	1.39
22	A	813	CLA	CHD-C1D	3.69	1.45	1.38
22	A	834	CLA	C3D-C2D	3.69	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	801	CLA	C4B-NB	-3.69	1.33	1.37
22	A	825	CLA	C1D-ND	3.68	1.42	1.37
22	B	809	CLA	CHB-C1B	3.68	1.47	1.39
22	B	833	CLA	CHC-C4B	3.68	1.47	1.39
22	B	818	CLA	CHC-C1C	3.68	1.45	1.38
22	B	824	CLA	CHC-C1C	3.68	1.45	1.38
22	1	304	CLA	CHB-C1B	3.68	1.47	1.39
22	2	302	CLA	CHB-C1B	3.68	1.47	1.39
22	4	309	CLA	C3D-C2D	3.68	1.49	1.39
22	4	312	CLA	C3D-C2D	3.68	1.49	1.39
29	O	207	5X6	C33-C32	3.68	1.57	1.52
22	4	305	CLA	C3D-C2D	3.68	1.49	1.39
22	B	809	CLA	C4B-NB	-3.68	1.33	1.37
22	6	311	CLA	CHC-C4B	3.68	1.47	1.39
22	A	812	CLA	C1B-NB	-3.68	1.33	1.37
22	A	848	CLA	C4B-NB	-3.68	1.33	1.37
22	A	808	CLA	C3D-C2D	3.68	1.49	1.39
29	4	314	5X6	C33-C32	3.68	1.57	1.52
22	5	302	CLA	OBD-CAD	3.67	1.28	1.22
29	Z	206	5X6	C33-C32	3.67	1.57	1.52
29	5	321	5X6	C28-C29	3.67	1.57	1.45
22	B	824	CLA	CHB-C1B	3.67	1.47	1.39
22	F	206	CLA	C1B-NB	-3.67	1.33	1.37
22	5	308	CLA	C3D-C2D	3.67	1.49	1.39
22	2	305	CLA	CHB-C1B	3.67	1.47	1.39
22	6	308	CLA	C3D-C2D	3.67	1.49	1.39
29	2	314	5X6	C33-C32	3.67	1.57	1.52
22	A	804	CLA	C1D-ND	3.67	1.42	1.37
22	A	814	CLA	C3D-C2D	3.67	1.49	1.39
29	6	315	5X6	C28-C29	3.67	1.57	1.45
22	5	307	CLA	C1B-NB	-3.67	1.33	1.37
22	A	821	CLA	C3D-C2D	3.67	1.49	1.39
22	B	839	CLA	C1B-NB	-3.67	1.33	1.37
29	B	851	5X6	C33-C32	3.66	1.57	1.52
22	B	807	CLA	CHD-C4C	3.66	1.47	1.39
29	5	312	5X6	C33-C32	3.66	1.57	1.52
22	4	307	CLA	CHC-C4B	3.66	1.47	1.39
22	A	815	CLA	C1D-ND	3.66	1.42	1.37
22	2	303	CLA	CHB-C1B	3.66	1.47	1.39
22	4	303	CLA	C3D-C2D	3.66	1.49	1.39
22	A	803	CLA	CHD-C1D	3.66	1.45	1.38
22	B	822	CLA	C3D-C2D	3.66	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	O	206	CLA	OBD-CAD	3.66	1.28	1.22
22	1	303	CLA	C3D-C2D	3.66	1.49	1.39
22	4	305	CLA	CHC-C4B	3.66	1.47	1.39
22	6	305	CLA	CHC-C4B	3.66	1.47	1.39
22	7	310	CLA	CHB-C1B	3.66	1.47	1.39
22	A	857	CLA	CHB-C1B	3.66	1.47	1.39
22	A	820	CLA	C4B-NB	-3.66	1.33	1.37
22	B	801	CLA	CHD-C1D	3.66	1.45	1.38
22	B	832	CLA	O2D-CGD	3.66	1.42	1.33
29	O	207	5X6	C20-C21	3.66	1.54	1.43
22	A	817	CLA	CHB-C1B	3.66	1.47	1.39
22	A	836	CLA	CHC-C4B	3.66	1.47	1.39
22	K	102	CLA	C1B-NB	-3.66	1.33	1.37
22	L	204	CLA	C1B-NB	-3.66	1.33	1.37
22	5	301	CLA	OBD-CAD	3.66	1.28	1.22
22	L	203	CLA	CHB-C1B	3.66	1.47	1.39
22	F	206	CLA	CHD-C1D	3.66	1.45	1.38
22	5	305	CLA	CHB-C1B	3.66	1.47	1.39
22	A	835	CLA	CHC-C1C	3.66	1.45	1.38
22	7	306	CLA	OBD-CAD	3.65	1.28	1.22
22	6	303	CLA	CHB-C1B	3.65	1.47	1.39
22	5	302	CLA	CHD-C4C	3.65	1.47	1.39
22	1	306	CLA	OBD-CAD	3.65	1.28	1.22
22	O	206	CLA	CHB-C1B	3.65	1.47	1.39
22	5	308	CLA	CHD-C4C	3.65	1.47	1.39
29	7	316	5X6	C33-C32	3.65	1.57	1.52
22	Z	204	CLA	CHB-C1B	3.65	1.47	1.39
22	A	806	CLA	CHB-C1B	3.65	1.47	1.39
22	A	807	CLA	CHB-C1B	3.65	1.47	1.39
22	A	836	CLA	C4B-NB	-3.65	1.33	1.37
22	5	303	CLA	CHD-C4C	3.65	1.47	1.39
29	O	208	5X6	C28-C29	3.65	1.57	1.45
22	A	808	CLA	CHD-C4C	3.64	1.47	1.39
21	A	801	CL0	O2D-CGD	3.64	1.42	1.33
22	B	807	CLA	CHD-C1D	3.64	1.45	1.38
22	B	831	CLA	C1D-ND	3.64	1.42	1.37
22	B	815	CLA	C3D-C2D	3.64	1.48	1.39
22	B	828	CLA	CHC-C1C	3.64	1.45	1.38
22	B	826	CLA	C1B-NB	-3.64	1.33	1.37
22	1	307	CLA	OBD-CAD	3.64	1.28	1.22
22	A	815	CLA	CHD-C1D	3.64	1.45	1.38
22	B	802	CLA	O2D-CGD	3.64	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	Z	204	CLA	CHC-C4B	3.64	1.47	1.39
22	6	311	CLA	OBD-CAD	3.64	1.28	1.22
22	B	814	CLA	CHD-C1D	3.64	1.45	1.38
22	1	309	CLA	CHB-C1B	3.64	1.47	1.39
22	A	814	CLA	CHD-C4C	3.64	1.47	1.39
22	B	819	CLA	CHD-C4C	3.64	1.47	1.39
22	2	304	CLA	C3D-C2D	3.64	1.48	1.39
22	B	818	CLA	C1D-ND	3.64	1.42	1.37
22	F	205	CLA	C3D-C2D	3.64	1.48	1.39
29	1	316	5X6	C28-C29	3.63	1.57	1.45
22	K	102	CLA	C3D-C2D	3.63	1.48	1.39
22	B	849	CLA	CHC-C1C	3.63	1.45	1.38
22	A	832	CLA	C1D-ND	3.63	1.42	1.37
22	K	101	CLA	CHB-C1B	3.63	1.47	1.39
22	A	827	CLA	CHD-C1D	3.63	1.45	1.38
22	J	102	CLA	CHC-C4B	3.63	1.47	1.39
22	A	813	CLA	C4B-NB	-3.63	1.33	1.37
22	6	311	CLA	CHB-C1B	3.63	1.47	1.39
22	K	102	CLA	CHB-C1B	3.63	1.47	1.39
29	J	104	5X6	C28-C29	3.63	1.57	1.45
22	B	811	CLA	C4B-NB	-3.63	1.33	1.37
22	7	312	CLA	CHB-C1B	3.63	1.47	1.39
29	4	315	5X6	C33-C32	3.63	1.57	1.52
22	4	310	CLA	C3D-C2D	3.63	1.48	1.39
22	B	835	CLA	C3D-C2D	3.62	1.48	1.39
22	A	814	CLA	C1B-NB	-3.62	1.33	1.37
22	A	831	CLA	CHC-C4B	3.62	1.47	1.39
22	A	827	CLA	CHD-C4C	3.62	1.47	1.39
22	4	304	CLA	C3D-C2D	3.62	1.48	1.39
22	2	310	CLA	CHB-C1B	3.62	1.47	1.39
29	7	315	5X6	C28-C29	3.62	1.57	1.45
22	6	313	CLA	CHB-C1B	3.62	1.47	1.39
22	A	826	CLA	CHC-C1C	3.62	1.45	1.38
22	2	303	CLA	OBD-CAD	3.62	1.28	1.22
22	6	305	CLA	C3D-C2D	3.62	1.48	1.39
22	B	816	CLA	C1D-ND	3.62	1.42	1.37
22	Z	201	CLA	C1D-ND	3.61	1.42	1.37
22	A	819	CLA	CHB-C1B	3.61	1.47	1.39
22	B	816	CLA	CHC-C4B	3.61	1.47	1.39
22	4	311	CLA	OBD-CAD	3.61	1.28	1.22
22	F	206	CLA	CHB-C1B	3.61	1.47	1.39
22	B	803	CLA	CHD-C1D	3.61	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	820	CLA	CHB-C1B	3.61	1.47	1.39
22	A	813	CLA	CHD-C4C	3.61	1.47	1.39
22	A	827	CLA	CHB-C1B	3.61	1.47	1.39
22	A	836	CLA	CHD-C1D	3.61	1.45	1.38
22	O	203	CLA	CHD-C1D	3.61	1.45	1.38
22	L	204	CLA	CHC-C4B	3.61	1.47	1.39
22	A	819	CLA	CHC-C4B	3.60	1.47	1.39
22	B	825	CLA	O2A-CGA	3.60	1.43	1.33
22	B	808	CLA	CHB-C1B	3.60	1.47	1.39
22	1	303	CLA	OBD-CAD	3.60	1.28	1.22
22	B	832	CLA	C1B-NB	-3.60	1.33	1.37
22	A	812	CLA	CHB-C1B	3.60	1.47	1.39
22	B	830	CLA	C1D-ND	3.60	1.42	1.37
22	6	307	CLA	C3D-C2D	3.60	1.48	1.39
22	K	102	CLA	CHC-C4B	3.60	1.47	1.39
22	B	830	CLA	C4B-NB	-3.60	1.33	1.37
22	A	810	CLA	CHD-C1D	3.60	1.45	1.38
22	L	204	CLA	C3D-C2D	3.60	1.48	1.39
22	7	305	CLA	CHB-C1B	3.60	1.47	1.39
22	5	301	CLA	CHC-C4B	3.59	1.47	1.39
22	4	303	CLA	C1B-NB	-3.59	1.33	1.37
22	7	303	CLA	C3D-C2D	3.59	1.48	1.39
22	B	814	CLA	C1B-NB	-3.59	1.33	1.37
22	4	308	CLA	C1B-NB	-3.59	1.33	1.37
22	A	823	CLA	C3D-C2D	3.59	1.48	1.39
22	A	835	CLA	C1B-NB	-3.59	1.33	1.37
22	6	308	CLA	OBD-CAD	3.59	1.28	1.22
22	A	816	CLA	CHD-C1D	3.59	1.45	1.38
22	1	310	CLA	CHB-C1B	3.59	1.47	1.39
22	3	301	CLA	CHB-C1B	3.59	1.47	1.39
22	B	822	CLA	C4B-NB	-3.59	1.33	1.37
22	1	304	CLA	OBD-CAD	3.59	1.28	1.22
22	2	305	CLA	OBD-CAD	3.59	1.28	1.22
22	5	309	CLA	CHC-C4B	3.59	1.47	1.39
22	F	206	CLA	OBD-CAD	3.58	1.28	1.22
22	1	304	CLA	CHC-C4B	3.58	1.47	1.39
22	A	815	CLA	C3D-C2D	3.58	1.48	1.39
22	A	815	CLA	CHD-C4C	3.58	1.47	1.39
22	6	308	CLA	CHC-C4B	3.58	1.47	1.39
22	B	832	CLA	C4B-NB	-3.58	1.33	1.37
22	A	824	CLA	C4B-NB	-3.58	1.33	1.37
22	7	307	CLA	CHB-C1B	3.58	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	4	308	CLA	OBD-CAD	3.58	1.28	1.22
22	A	823	CLA	CHD-C1D	3.58	1.45	1.38
22	6	313	CLA	OBD-CAD	3.58	1.28	1.22
22	5	301	CLA	CHB-C1B	3.58	1.47	1.39
22	2	307	CLA	OBD-CAD	3.57	1.28	1.22
22	6	306	CLA	CHC-C4B	3.57	1.47	1.39
22	B	815	CLA	CHD-C4C	3.57	1.47	1.39
22	A	827	CLA	C4B-NB	-3.57	1.33	1.37
22	4	306	CLA	CHB-C1B	3.57	1.47	1.39
22	B	826	CLA	CHC-C4B	3.57	1.47	1.39
22	4	304	CLA	CHC-C4B	3.57	1.47	1.39
22	B	804	CLA	CHD-C4C	3.57	1.47	1.39
22	A	809	CLA	C1B-NB	-3.57	1.33	1.37
29	1	311	5X6	C28-C29	3.57	1.57	1.45
22	2	306	CLA	CHB-C1B	3.57	1.47	1.39
22	B	817	CLA	C3D-C2D	3.57	1.48	1.39
22	O	205	CLA	CHB-C1B	3.57	1.47	1.39
22	B	804	CLA	C1D-ND	3.56	1.42	1.37
22	4	311	CLA	C3D-C2D	3.56	1.48	1.39
22	B	816	CLA	C3D-C2D	3.56	1.48	1.39
22	B	802	CLA	CHC-C1C	3.56	1.45	1.38
22	B	837	CLA	C3D-C2D	3.56	1.48	1.39
22	4	305	CLA	OBD-CAD	3.56	1.28	1.22
22	L	204	CLA	OBD-CAD	3.56	1.28	1.22
22	B	802	CLA	CHD-C1D	3.55	1.45	1.38
22	B	824	CLA	C1D-ND	3.55	1.42	1.37
22	A	859	CLA	CHC-C1C	3.55	1.45	1.38
22	A	814	CLA	CHC-C4B	3.55	1.47	1.39
22	Z	201	CLA	CHD-C4C	3.55	1.47	1.39
22	A	822	CLA	CHC-C4B	3.55	1.47	1.39
22	3	304	CLA	OBD-CAD	3.55	1.28	1.22
22	6	304	CLA	CHB-C1B	3.55	1.47	1.39
22	B	805	CLA	C3D-C2D	3.55	1.48	1.39
22	Z	204	CLA	C3D-C2D	3.55	1.48	1.39
22	A	803	CLA	CHB-C1B	3.55	1.47	1.39
29	5	314	5X6	C28-C29	3.55	1.57	1.45
22	A	808	CLA	C1B-NB	-3.55	1.33	1.37
22	A	839	CLA	CHC-C4B	3.55	1.47	1.39
22	4	309	CLA	OBD-CAD	3.55	1.28	1.22
22	A	810	CLA	C1D-ND	3.55	1.42	1.37
22	F	205	CLA	CHD-C1D	3.54	1.45	1.38
29	4	313	5X6	C28-C29	3.54	1.57	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	828	CLA	C4B-NB	-3.54	1.33	1.37
22	5	304	CLA	OBD-CAD	3.54	1.28	1.22
22	F	204	CLA	C3D-C2D	3.54	1.48	1.39
22	2	309	CLA	OBD-CAD	3.54	1.28	1.22
22	6	310	CLA	CHB-C1B	3.54	1.47	1.39
22	A	807	CLA	CHC-C1C	3.54	1.45	1.38
22	B	818	CLA	C4B-NB	-3.54	1.33	1.37
29	4	314	5X6	C05-C06	3.54	1.57	1.52
29	7	315	5X6	C33-C32	3.54	1.57	1.52
22	B	827	CLA	C4B-NB	-3.54	1.33	1.37
29	B	851	5X6	C05-C06	3.54	1.57	1.52
22	4	303	CLA	CHD-C1D	3.54	1.45	1.38
22	B	813	CLA	CHC-C4B	3.53	1.47	1.39
22	A	837	CLA	CHD-C4C	3.53	1.47	1.39
25	A	846	BCR	C23-C22	-3.53	1.38	1.46
22	A	810	CLA	C3D-C2D	3.53	1.48	1.39
22	A	806	CLA	CHD-C1D	3.53	1.45	1.38
22	A	802	CLA	C3D-C2D	3.53	1.48	1.39
22	A	806	CLA	C3D-C2D	3.53	1.48	1.39
22	A	838	CLA	C4B-NB	-3.53	1.33	1.37
22	1	305	CLA	CHB-C1B	3.53	1.47	1.39
22	A	830	CLA	CHD-C4C	3.53	1.47	1.39
22	A	814	CLA	C1D-ND	3.53	1.42	1.37
22	4	310	CLA	CHC-C4B	3.53	1.47	1.39
22	A	817	CLA	O2A-CGA	3.53	1.43	1.33
22	A	857	CLA	CHD-C1D	3.53	1.45	1.38
22	B	819	CLA	CHC-C4B	3.53	1.47	1.39
22	A	807	CLA	C1B-NB	-3.53	1.33	1.37
22	B	822	CLA	CHC-C4B	3.53	1.47	1.39
22	3	304	CLA	CHB-C1B	3.53	1.47	1.39
22	B	806	CLA	C1D-ND	3.52	1.42	1.37
22	B	808	CLA	CHC-C4B	3.52	1.47	1.39
22	6	312	CLA	OBD-CAD	3.52	1.28	1.22
22	A	858	CLA	CHC-C4B	3.52	1.47	1.39
22	B	825	CLA	O2D-CGD	3.52	1.41	1.33
29	5	312	5X6	C28-C29	3.52	1.57	1.45
22	7	306	CLA	CHB-C1B	3.52	1.47	1.39
22	B	819	CLA	C3D-C2D	3.52	1.48	1.39
22	A	812	CLA	OBD-CAD	3.52	1.28	1.22
22	B	801	CLA	CHB-C1B	3.52	1.47	1.39
22	L	204	CLA	CHB-C1B	3.52	1.47	1.39
22	B	836	CLA	C3D-C2D	3.52	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	5	313	5X6	C28-C29	3.52	1.57	1.45
22	A	828	CLA	CHB-C1B	3.52	1.47	1.39
29	7	318	5X6	C28-C29	3.51	1.57	1.45
22	A	808	CLA	CHC-C4B	3.51	1.47	1.39
22	A	836	CLA	CHB-C1B	3.51	1.47	1.39
22	B	829	CLA	O2D-CGD	3.51	1.41	1.33
22	B	828	CLA	CHD-C1D	3.51	1.45	1.38
22	5	310	CLA	OBD-CAD	3.51	1.28	1.22
22	B	813	CLA	O2A-CGA	3.51	1.43	1.33
22	2	308	CLA	CHB-C1B	3.51	1.47	1.39
22	4	304	CLA	CHB-C1B	3.51	1.47	1.39
22	A	816	CLA	C1B-NB	-3.51	1.33	1.37
22	B	820	CLA	CHC-C4B	3.51	1.47	1.39
22	B	806	CLA	CHC-C1C	3.51	1.45	1.38
22	A	813	CLA	C1B-NB	-3.51	1.33	1.37
22	B	815	CLA	C1D-ND	3.51	1.42	1.37
22	7	308	CLA	OBD-CAD	3.51	1.28	1.22
29	1	314	5X6	C28-C29	3.50	1.57	1.45
22	B	812	CLA	CHB-C1B	3.50	1.47	1.39
22	A	829	CLA	CHD-C1D	3.50	1.45	1.38
29	1	313	5X6	C28-C29	3.50	1.57	1.45
22	A	837	CLA	C1B-NB	-3.50	1.33	1.37
22	B	817	CLA	C1D-ND	3.50	1.42	1.37
22	5	303	CLA	C3D-C2D	3.50	1.48	1.39
22	B	812	CLA	CHC-C4B	3.50	1.47	1.39
22	A	818	CLA	OBD-CAD	3.50	1.28	1.22
22	F	205	CLA	C1B-NB	-3.50	1.33	1.37
22	6	313	CLA	C1B-NB	-3.50	1.33	1.37
22	B	809	CLA	C1B-NB	-3.50	1.33	1.37
22	4	312	CLA	CHB-C1B	3.50	1.47	1.39
29	O	207	5X6	C28-C29	3.50	1.57	1.45
22	6	304	CLA	CHD-C4C	3.50	1.47	1.39
22	B	806	CLA	CHC-C4B	3.50	1.47	1.39
22	A	837	CLA	C3D-C2D	3.50	1.48	1.39
22	5	308	CLA	C1B-NB	-3.50	1.33	1.37
22	A	826	CLA	C3D-C2D	3.49	1.48	1.39
22	B	803	CLA	CHB-C1B	3.49	1.47	1.39
22	6	311	CLA	CHD-C1D	3.49	1.45	1.38
22	A	822	CLA	C1D-ND	3.49	1.42	1.37
22	B	814	CLA	CHC-C4B	3.49	1.47	1.39
22	A	825	CLA	C3D-C2D	3.49	1.48	1.39
22	A	814	CLA	CHD-C1D	3.49	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	830	CLA	CHD-C1D	3.49	1.45	1.38
22	B	802	CLA	C4B-NB	-3.49	1.33	1.37
22	7	304	CLA	CHB-C1B	3.49	1.47	1.39
25	B	842	BCR	C8-C9	-3.49	1.38	1.46
22	A	824	CLA	CHC-C4B	3.49	1.47	1.39
22	B	809	CLA	CHD-C4C	3.49	1.47	1.39
22	5	307	CLA	OBD-CAD	3.49	1.28	1.22
22	B	837	CLA	CHD-C1D	3.49	1.45	1.38
22	A	811	CLA	C3D-C2D	3.49	1.48	1.39
22	A	805	CLA	CHD-C4C	3.48	1.47	1.39
22	B	804	CLA	C1B-NB	-3.48	1.33	1.37
22	7	303	CLA	OBD-CAD	3.48	1.28	1.22
22	B	831	CLA	CHB-C1B	3.48	1.47	1.39
22	F	206	CLA	C3D-C2D	3.48	1.48	1.39
22	1	310	CLA	OBD-CAD	3.48	1.28	1.22
22	A	825	CLA	C1B-NB	-3.48	1.33	1.37
22	B	821	CLA	CHB-C1B	3.48	1.47	1.39
22	A	837	CLA	CHD-C1D	3.48	1.45	1.38
22	4	309	CLA	CHB-C1B	3.48	1.47	1.39
22	A	858	CLA	C3D-C2D	3.48	1.48	1.39
22	B	823	CLA	OBD-CAD	3.48	1.28	1.22
22	A	807	CLA	C1D-ND	3.48	1.42	1.37
22	A	833	CLA	CHB-C1B	3.48	1.47	1.39
22	L	205	CLA	OBD-CAD	3.48	1.28	1.22
22	A	822	CLA	C1B-NB	-3.48	1.33	1.37
22	7	307	CLA	OBD-CAD	3.48	1.28	1.22
22	6	314	CLA	CHB-C1B	3.48	1.47	1.39
22	B	819	CLA	C1D-ND	3.48	1.42	1.37
22	A	818	CLA	CHD-C1D	3.48	1.45	1.38
22	B	837	CLA	CHD-C4C	3.48	1.47	1.39
22	1	302	CLA	CHC-C4B	3.47	1.47	1.39
22	B	809	CLA	C3D-C2D	3.47	1.48	1.39
29	5	321	5X6	C33-C32	3.47	1.57	1.52
22	A	820	CLA	C1B-NB	-3.47	1.33	1.37
22	B	835	CLA	CHD-C1D	3.47	1.45	1.38
22	A	832	CLA	CHD-C4C	3.47	1.47	1.39
22	B	825	CLA	CHD-C1D	3.47	1.45	1.38
22	5	303	CLA	CHB-C1B	3.47	1.47	1.39
22	Z	204	CLA	CHD-C4C	3.47	1.47	1.39
22	A	821	CLA	CHC-C4B	3.47	1.47	1.39
22	4	303	CLA	OBD-CAD	3.47	1.28	1.22
22	B	839	CLA	C3D-C2D	3.47	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	836	CLA	CHD-C4C	3.47	1.47	1.39
22	O	203	CLA	CHD-C4C	3.47	1.47	1.39
22	B	837	CLA	CHB-C1B	3.47	1.47	1.39
22	A	814	CLA	CHB-C1B	3.47	1.47	1.39
22	K	102	CLA	CHD-C4C	3.47	1.47	1.39
22	B	828	CLA	C1B-NB	-3.47	1.33	1.37
22	A	857	CLA	O2D-CGD	3.47	1.41	1.33
22	B	810	CLA	OBD-CAD	3.47	1.28	1.22
22	6	307	CLA	CHB-C1B	3.46	1.47	1.39
22	6	314	CLA	C1B-NB	-3.46	1.33	1.37
22	B	826	CLA	C3D-C2D	3.46	1.48	1.39
22	B	827	CLA	C1D-ND	3.46	1.42	1.37
22	1	304	CLA	C4B-NB	-3.46	1.33	1.37
22	A	835	CLA	C4B-NB	-3.46	1.33	1.37
22	1	302	CLA	OBD-CAD	3.46	1.28	1.22
22	B	849	CLA	CHC-C4B	3.46	1.47	1.39
22	5	309	CLA	CHB-C1B	3.46	1.47	1.39
22	6	310	CLA	C1B-NB	-3.46	1.33	1.37
22	A	859	CLA	C1D-ND	3.46	1.42	1.37
22	6	309	CLA	C1B-NB	-3.46	1.33	1.37
22	B	813	CLA	C4B-NB	-3.45	1.33	1.37
22	B	812	CLA	CHD-C4C	3.45	1.47	1.39
22	3	305	CLA	CHB-C1B	3.45	1.47	1.39
29	7	317	5X6	C05-C06	3.45	1.57	1.52
22	A	835	CLA	CHB-C1B	3.45	1.47	1.39
22	A	824	CLA	C3D-C2D	3.45	1.48	1.39
29	B	851	5X6	C28-C29	3.45	1.56	1.45
22	F	204	CLA	C1B-NB	-3.45	1.33	1.37
22	A	830	CLA	CHB-C1B	3.45	1.47	1.39
22	5	301	CLA	C1B-NB	-3.45	1.33	1.37
22	4	312	CLA	OBD-CAD	3.45	1.28	1.22
22	5	310	CLA	CHB-C1B	3.45	1.47	1.39
22	A	833	CLA	OBD-CAD	3.45	1.28	1.22
22	B	818	CLA	CHB-C1B	3.45	1.47	1.39
22	B	823	CLA	CHC-C4B	3.45	1.47	1.39
22	O	203	CLA	CHC-C4B	3.45	1.47	1.39
22	B	805	CLA	C1D-ND	3.44	1.42	1.37
22	7	313	CLA	CHB-C1B	3.44	1.47	1.39
22	A	815	CLA	CHC-C4B	3.44	1.47	1.39
22	L	204	CLA	C4B-NB	-3.44	1.33	1.37
22	A	838	CLA	CHC-C4B	3.44	1.47	1.39
22	A	832	CLA	CHB-C1B	3.44	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	826	CLA	OBD-CAD	3.44	1.28	1.22
22	A	807	CLA	C3D-C2D	3.44	1.48	1.39
22	4	311	CLA	CHB-C1B	3.44	1.47	1.39
22	B	806	CLA	CHB-C1B	3.44	1.47	1.39
22	A	806	CLA	OBD-CAD	3.44	1.28	1.22
22	A	817	CLA	C1B-NB	-3.44	1.33	1.37
22	5	302	CLA	C1B-NB	-3.44	1.33	1.37
22	B	830	CLA	CHC-C4B	3.44	1.47	1.39
22	B	822	CLA	CHD-C1D	3.44	1.45	1.38
29	7	317	5X6	C28-C29	3.43	1.56	1.45
22	A	806	CLA	CHC-C4B	3.43	1.47	1.39
22	A	859	CLA	OBD-CAD	3.43	1.28	1.22
22	A	805	CLA	CHC-C4B	3.43	1.47	1.39
22	B	834	CLA	CHD-C4C	3.43	1.47	1.39
22	A	857	CLA	O2A-CGA	3.43	1.43	1.33
22	5	311	CLA	CHC-C4B	3.43	1.47	1.39
22	A	818	CLA	CHB-C1B	3.43	1.47	1.39
22	B	849	CLA	CHD-C4C	3.43	1.47	1.39
22	A	807	CLA	C4B-NB	-3.43	1.33	1.37
22	5	311	CLA	C4B-NB	-3.43	1.33	1.37
22	B	839	CLA	CHD-C4C	3.43	1.47	1.39
22	1	304	CLA	C3D-C2D	3.43	1.48	1.39
22	A	838	CLA	OBD-CAD	3.43	1.28	1.22
22	A	820	CLA	CHD-C1D	3.43	1.45	1.38
22	A	820	CLA	CHD-C4C	3.42	1.47	1.39
22	B	806	CLA	CHD-C4C	3.42	1.47	1.39
22	2	311	CLA	CHB-C1B	3.42	1.47	1.39
22	2	307	CLA	CHB-C1B	3.42	1.47	1.39
22	B	805	CLA	CHC-C4B	3.42	1.47	1.39
29	1	313	5X6	C33-C32	3.42	1.57	1.52
29	M	101	5X6	C33-C32	3.41	1.57	1.52
22	A	830	CLA	C4B-NB	-3.41	1.33	1.37
22	B	812	CLA	C1B-NB	-3.41	1.33	1.37
22	A	822	CLA	CHB-C1B	3.41	1.47	1.39
22	A	818	CLA	C3D-C2D	3.41	1.48	1.39
22	A	808	CLA	C1D-ND	3.41	1.42	1.37
22	B	829	CLA	CHC-C4B	3.41	1.47	1.39
22	B	834	CLA	CHD-C1D	3.41	1.45	1.38
22	A	832	CLA	C4B-NB	-3.40	1.33	1.37
22	6	312	CLA	CHC-C4B	3.40	1.47	1.39
22	B	823	CLA	C3D-C2D	3.40	1.48	1.39
22	B	824	CLA	CHD-C1D	3.40	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	848	CLA	O2A-CGA	3.40	1.43	1.33
22	A	812	CLA	CHD-C4C	3.40	1.46	1.39
22	B	812	CLA	OBD-CAD	3.39	1.28	1.22
22	A	818	CLA	C4B-NB	-3.39	1.33	1.37
22	A	859	CLA	CHC-C4B	3.39	1.47	1.39
22	B	839	CLA	CHD-C1D	3.39	1.45	1.38
22	B	836	CLA	CHB-C1B	3.39	1.47	1.39
22	4	305	CLA	C4B-NB	-3.39	1.33	1.37
22	B	825	CLA	CHB-C1B	3.39	1.47	1.39
22	A	818	CLA	CHC-C4B	3.39	1.47	1.39
22	A	848	CLA	CHD-C1D	3.39	1.45	1.38
22	A	857	CLA	C1B-NB	-3.39	1.33	1.37
22	B	838	CLA	CHC-C1C	3.39	1.45	1.38
22	B	836	CLA	CHC-C4B	3.39	1.47	1.39
22	5	302	CLA	CHD-C1D	3.39	1.45	1.38
22	B	822	CLA	C1D-ND	3.39	1.42	1.37
22	A	830	CLA	C1B-NB	-3.38	1.33	1.37
22	B	828	CLA	C3D-C2D	3.38	1.48	1.39
22	B	814	CLA	CHD-C4C	3.38	1.46	1.39
22	6	306	CLA	OBD-CAD	3.38	1.28	1.22
22	B	802	CLA	CHB-C1B	3.38	1.47	1.39
22	A	804	CLA	CHD-C1D	3.38	1.45	1.38
22	F	205	CLA	C1D-ND	3.38	1.42	1.37
22	B	835	CLA	CHB-C1B	3.38	1.47	1.39
22	A	829	CLA	C1B-NB	-3.38	1.33	1.37
22	B	839	CLA	CHB-C1B	3.38	1.47	1.39
22	7	305	CLA	C1B-NB	-3.38	1.33	1.37
22	Z	201	CLA	C3D-C2D	3.38	1.48	1.39
22	A	834	CLA	OBD-CAD	3.38	1.28	1.22
22	A	819	CLA	CHD-C1D	3.38	1.45	1.38
22	B	816	CLA	CHD-C1D	3.38	1.45	1.38
29	M	101	5X6	C28-C29	3.37	1.56	1.45
22	1	302	CLA	C1B-NB	-3.37	1.33	1.37
22	6	304	CLA	CHD-C1D	3.37	1.45	1.38
22	4	308	CLA	CHB-C1B	3.37	1.47	1.39
22	2	308	CLA	C1B-NB	-3.37	1.33	1.37
22	F	206	CLA	CHD-C4C	3.37	1.46	1.39
22	A	817	CLA	C4B-NB	-3.37	1.33	1.37
22	B	814	CLA	CHB-C1B	3.37	1.47	1.39
22	A	813	CLA	CHC-C4B	3.37	1.47	1.39
22	6	303	CLA	C1B-NB	-3.37	1.33	1.37
22	B	801	CLA	C3D-C2D	3.36	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	6	309	CLA	OBD-CAD	3.36	1.28	1.22
22	B	802	CLA	C3D-C2D	3.36	1.48	1.39
22	5	311	CLA	CHB-C1B	3.36	1.47	1.39
22	6	305	CLA	C1B-NB	-3.36	1.33	1.37
22	A	829	CLA	CHB-C1B	3.36	1.46	1.39
22	B	817	CLA	CHC-C4B	3.36	1.46	1.39
22	A	832	CLA	C1B-NB	-3.36	1.33	1.37
22	B	820	CLA	OBD-CAD	3.36	1.28	1.22
22	A	804	CLA	CHC-C4B	3.36	1.46	1.39
22	A	858	CLA	CHB-C1B	3.36	1.46	1.39
22	K	101	CLA	OBD-CAD	3.35	1.28	1.22
22	B	813	CLA	OBD-CAD	3.35	1.28	1.22
29	7	315	5X6	C05-C06	3.35	1.57	1.52
22	A	822	CLA	CHD-C4C	3.35	1.46	1.39
22	A	829	CLA	CHD-C4C	3.35	1.46	1.39
22	B	801	CLA	CHD-C4C	3.35	1.46	1.39
22	1	304	CLA	C1B-NB	-3.35	1.33	1.37
22	A	828	CLA	C3D-C2D	3.35	1.48	1.39
22	O	203	CLA	C1B-NB	-3.35	1.33	1.37
22	B	828	CLA	CHB-C1B	3.34	1.46	1.39
22	A	838	CLA	C3D-C2D	3.34	1.48	1.39
22	A	802	CLA	CHB-C1B	3.34	1.46	1.39
22	B	822	CLA	CHB-C1B	3.34	1.46	1.39
25	L	201	BCR	C8-C9	-3.34	1.38	1.46
25	A	862	BCR	C23-C22	-3.34	1.38	1.46
22	A	802	CLA	CHD-C1D	3.34	1.44	1.38
22	L	203	CLA	C1B-NB	-3.34	1.33	1.37
29	7	318	5X6	C33-C32	3.34	1.57	1.52
22	A	817	CLA	CHD-C1D	3.34	1.44	1.38
22	B	801	CLA	OBD-CAD	3.34	1.28	1.22
22	B	816	CLA	CHB-C1B	3.34	1.46	1.39
22	B	806	CLA	CHD-C1D	3.34	1.44	1.38
22	A	814	CLA	OBD-CAD	3.34	1.28	1.22
22	A	810	CLA	CHC-C4B	3.34	1.46	1.39
22	A	811	CLA	C4B-NB	-3.34	1.33	1.37
29	6	317	5X6	C05-C06	3.34	1.57	1.52
22	A	803	CLA	C1D-ND	3.33	1.42	1.37
22	4	312	CLA	C1B-NB	-3.33	1.33	1.37
22	A	824	CLA	CHD-C4C	3.33	1.46	1.39
22	A	826	CLA	C1B-NB	-3.33	1.33	1.37
22	A	848	CLA	CHB-C1B	3.33	1.46	1.39
22	3	302	CLA	OBD-CAD	3.33	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	6	317	5X6	C28-C29	3.33	1.56	1.45
22	6	312	CLA	CHB-C1B	3.33	1.46	1.39
22	B	802	CLA	O2A-CGA	3.33	1.43	1.33
22	B	804	CLA	CHD-C1D	3.33	1.44	1.38
22	A	824	CLA	C1B-NB	-3.33	1.33	1.37
22	6	304	CLA	C1B-NB	-3.33	1.33	1.37
22	O	203	CLA	C3D-C2D	3.33	1.48	1.39
22	5	306	CLA	OBD-CAD	3.33	1.28	1.22
22	B	838	CLA	CHB-C1B	3.33	1.46	1.39
22	B	829	CLA	C3D-C2D	3.33	1.48	1.39
22	A	829	CLA	C4B-NB	-3.33	1.33	1.37
22	B	813	CLA	C3D-C2D	3.32	1.48	1.39
22	A	837	CLA	C1D-ND	3.32	1.42	1.37
22	4	305	CLA	C1B-NB	-3.32	1.33	1.37
22	A	820	CLA	CHC-C4B	3.32	1.46	1.39
22	4	307	CLA	CHB-C1B	3.32	1.46	1.39
22	5	303	CLA	OBD-CAD	3.32	1.28	1.22
22	B	810	CLA	C1B-NB	-3.32	1.33	1.37
22	6	308	CLA	CHB-C1B	3.32	1.46	1.39
22	A	831	CLA	CHD-C1D	3.32	1.44	1.38
22	1	302	CLA	CHB-C1B	3.32	1.46	1.39
22	7	304	CLA	C1B-NB	-3.32	1.33	1.37
22	A	833	CLA	CHD-C4C	3.32	1.46	1.39
29	5	313	5X6	C33-C32	3.31	1.57	1.52
22	Z	204	CLA	O2A-CGA	3.31	1.43	1.33
22	B	804	CLA	C3D-C2D	3.31	1.48	1.39
22	B	816	CLA	OBD-CAD	3.31	1.28	1.22
22	A	803	CLA	C3D-C2D	3.31	1.48	1.39
22	A	817	CLA	CHC-C4B	3.31	1.46	1.39
29	6	316	5X6	C11-C03	3.31	1.56	1.45
22	A	825	CLA	CHD-C1D	3.30	1.44	1.38
22	B	804	CLA	C4B-NB	-3.30	1.33	1.37
22	A	809	CLA	C3D-C2D	3.30	1.48	1.39
22	B	835	CLA	CHD-C4C	3.30	1.46	1.39
22	B	831	CLA	C4B-NB	-3.30	1.33	1.37
22	Z	204	CLA	C4B-NB	-3.30	1.33	1.37
22	A	829	CLA	C3D-C2D	3.30	1.48	1.39
22	A	809	CLA	CHD-C1D	3.30	1.44	1.38
22	Z	201	CLA	OBD-CAD	3.30	1.28	1.22
22	A	818	CLA	C1D-ND	3.30	1.42	1.37
22	B	833	CLA	CHD-C4C	3.30	1.46	1.39
22	B	826	CLA	CHD-C1D	3.30	1.44	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	838	CLA	CHD-C1D	3.30	1.44	1.38
22	B	824	CLA	CHD-C4C	3.30	1.46	1.39
22	A	802	CLA	OBD-CAD	3.30	1.28	1.22
22	B	832	CLA	CHC-C4B	3.30	1.46	1.39
22	B	810	CLA	CHC-C4B	3.29	1.46	1.39
22	5	309	CLA	C1B-NB	-3.29	1.33	1.37
22	F	204	CLA	CHD-C1D	3.29	1.44	1.38
22	A	810	CLA	C4B-NB	-3.29	1.33	1.37
22	B	849	CLA	C3D-C2D	3.29	1.48	1.39
22	A	826	CLA	C1D-ND	3.29	1.42	1.37
22	5	308	CLA	CHB-C1B	3.29	1.46	1.39
22	B	815	CLA	C1B-NB	-3.29	1.33	1.37
22	B	829	CLA	CHB-C1B	3.29	1.46	1.39
22	2	304	CLA	CHB-C1B	3.29	1.46	1.39
22	A	803	CLA	C1C-NC	-3.29	1.32	1.37
22	B	807	CLA	OBD-CAD	3.29	1.28	1.22
22	5	303	CLA	CHC-C4B	3.28	1.46	1.39
22	B	830	CLA	CHD-C4C	3.28	1.46	1.39
22	A	815	CLA	OBD-CAD	3.28	1.28	1.22
22	B	827	CLA	CHC-C4B	3.28	1.46	1.39
22	A	826	CLA	CHD-C1D	3.28	1.44	1.38
22	A	817	CLA	CHD-C4C	3.28	1.46	1.39
22	1	309	CLA	C1B-NB	-3.28	1.33	1.37
22	7	309	CLA	CHB-C1B	3.28	1.46	1.39
22	F	205	CLA	CHD-C4C	3.28	1.46	1.39
22	B	833	CLA	CHB-C1B	3.28	1.46	1.39
22	A	824	CLA	C1D-ND	3.28	1.42	1.37
22	B	830	CLA	C1B-NB	-3.27	1.33	1.37
22	5	306	CLA	C1B-NB	-3.27	1.33	1.37
22	A	818	CLA	C1B-NB	-3.27	1.33	1.37
22	A	824	CLA	CHD-C1D	3.27	1.44	1.38
22	B	817	CLA	CHD-C1D	3.27	1.44	1.38
22	F	204	CLA	C4B-NB	-3.27	1.33	1.37
22	B	804	CLA	CHC-C4B	3.27	1.46	1.39
22	L	205	CLA	CHB-C1B	3.27	1.46	1.39
22	A	833	CLA	CHC-C4B	3.27	1.46	1.39
22	7	309	CLA	C1B-NB	-3.27	1.33	1.37
22	A	807	CLA	CHD-C1D	3.27	1.44	1.38
22	A	828	CLA	C1B-NB	-3.27	1.33	1.37
22	B	839	CLA	C4B-NB	-3.27	1.33	1.37
22	A	828	CLA	C4B-NB	-3.26	1.33	1.37
22	4	310	CLA	CHB-C1B	3.26	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	836	CLA	CHD-C4C	3.26	1.46	1.39
29	2	313	5X6	C05-C06	3.26	1.56	1.52
25	A	845	BCR	C8-C9	-3.26	1.39	1.46
22	A	835	CLA	CHD-C4C	3.26	1.46	1.39
22	A	834	CLA	CHB-C1B	3.26	1.46	1.39
22	3	303	CLA	C1B-NB	-3.26	1.33	1.37
22	B	807	CLA	CHB-C1B	3.26	1.46	1.39
22	B	838	CLA	OBD-CAD	3.26	1.28	1.22
22	A	812	CLA	CHD-C1D	3.26	1.44	1.38
22	A	837	CLA	CHC-C4B	3.26	1.46	1.39
22	1	303	CLA	CHB-C1B	3.26	1.46	1.39
22	B	810	CLA	CHB-C1B	3.26	1.46	1.39
22	B	815	CLA	CHC-C4B	3.26	1.46	1.39
22	A	838	CLA	CHB-C1B	3.26	1.46	1.39
22	4	306	CLA	C1B-NB	-3.25	1.33	1.37
22	A	811	CLA	CHC-C4B	3.25	1.46	1.39
22	2	305	CLA	C1B-NB	-3.25	1.33	1.37
22	B	827	CLA	C1B-NB	-3.25	1.33	1.37
22	A	810	CLA	C1B-NB	-3.25	1.33	1.37
22	A	824	CLA	CHB-C1B	3.25	1.46	1.39
29	O	208	5X6	C05-C06	3.25	1.56	1.52
22	B	831	CLA	CHC-C4B	3.25	1.46	1.39
22	A	812	CLA	CHC-C4B	3.25	1.46	1.39
22	A	827	CLA	C1B-NB	-3.25	1.33	1.37
22	B	811	CLA	CHB-C1B	3.25	1.46	1.39
22	2	303	CLA	C1B-NB	-3.24	1.33	1.37
22	4	303	CLA	CHB-C1B	3.24	1.46	1.39
29	Z	206	5X6	C11-C03	3.24	1.56	1.45
22	6	304	CLA	OBD-CAD	3.24	1.28	1.22
22	B	813	CLA	CHD-C1D	3.24	1.44	1.38
22	B	824	CLA	CHC-C4B	3.24	1.46	1.39
22	A	859	CLA	CHD-C4C	3.24	1.46	1.39
22	B	836	CLA	CHD-C1D	3.24	1.44	1.38
22	B	808	CLA	CHD-C4C	3.24	1.46	1.39
22	A	823	CLA	CHC-C4B	3.24	1.46	1.39
22	B	818	CLA	C3D-C2D	3.24	1.47	1.39
22	B	837	CLA	C4B-NB	-3.24	1.33	1.37
22	2	307	CLA	C1B-NB	-3.24	1.33	1.37
22	B	829	CLA	C1B-NB	-3.23	1.33	1.37
22	B	830	CLA	CHB-C1B	3.23	1.46	1.39
22	B	834	CLA	CHC-C4B	3.23	1.46	1.39
22	7	313	CLA	C1B-NB	-3.23	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	827	CLA	CHD-C1D	3.23	1.44	1.38
22	A	807	CLA	CHC-C4B	3.23	1.46	1.39
22	B	823	CLA	CHB-C1B	3.23	1.46	1.39
22	A	859	CLA	C3D-C2D	3.23	1.47	1.39
22	4	304	CLA	C4B-NB	-3.23	1.33	1.37
21	A	801	CL0	CHD-C4C	3.23	1.45	1.39
22	B	827	CLA	C3D-C2D	3.22	1.47	1.39
22	A	858	CLA	CHD-C1D	3.22	1.44	1.38
22	4	307	CLA	C4B-NB	-3.22	1.33	1.37
22	B	810	CLA	CHD-C1D	3.22	1.44	1.38
22	A	858	CLA	CHD-C4C	3.22	1.46	1.39
22	A	816	CLA	OBD-CAD	3.22	1.28	1.22
22	F	204	CLA	CHC-C4B	3.22	1.46	1.39
22	B	838	CLA	C3D-C2D	3.22	1.47	1.39
22	B	832	CLA	CHB-C1B	3.22	1.46	1.39
22	A	859	CLA	CHD-C1D	3.22	1.44	1.38
22	B	804	CLA	OBD-CAD	3.22	1.28	1.22
22	2	304	CLA	C1B-NB	-3.22	1.33	1.37
22	7	309	CLA	C3B-C4B	3.22	1.52	1.42
22	A	816	CLA	C3D-C2D	3.22	1.47	1.39
22	1	303	CLA	C1B-NB	-3.22	1.33	1.37
22	A	810	CLA	CHD-C4C	3.21	1.46	1.39
22	3	301	CLA	C3B-C4B	3.21	1.52	1.42
22	A	821	CLA	C1C-NC	-3.21	1.32	1.37
22	2	306	CLA	C1B-NB	-3.21	1.33	1.37
22	4	309	CLA	C1B-NB	-3.21	1.33	1.37
22	J	102	CLA	CHB-C1B	3.21	1.46	1.39
22	B	811	CLA	OBD-CAD	3.21	1.28	1.22
22	K	102	CLA	OBD-CAD	3.21	1.28	1.22
22	A	838	CLA	C1C-NC	-3.21	1.32	1.37
22	1	309	CLA	C4C-C3C	3.20	1.50	1.45
29	2	314	5X6	C11-C03	3.20	1.56	1.45
22	6	311	CLA	C1B-NB	-3.20	1.33	1.37
22	B	835	CLA	C4B-NB	-3.20	1.33	1.37
22	B	850	CLA	C1B-NB	-3.20	1.33	1.37
22	A	826	CLA	CHC-C4B	3.20	1.46	1.39
22	B	832	CLA	CHD-C1D	3.20	1.44	1.38
22	A	829	CLA	C1D-ND	3.20	1.42	1.37
22	3	305	CLA	C1B-NB	-3.20	1.33	1.37
22	A	837	CLA	CHB-C1B	3.19	1.46	1.39
22	Z	204	CLA	OBD-CAD	3.19	1.28	1.22
22	7	308	CLA	C1B-NB	-3.19	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	836	CLA	C1B-NB	-3.19	1.33	1.37
22	B	803	CLA	C3D-C2D	3.19	1.47	1.39
22	1	310	CLA	C4B-NB	-3.19	1.33	1.37
22	4	311	CLA	C3B-C4B	3.19	1.52	1.42
22	L	205	CLA	C1B-NB	-3.18	1.33	1.37
22	A	812	CLA	C1D-ND	3.18	1.42	1.37
22	5	311	CLA	C1B-NB	-3.18	1.33	1.37
22	4	307	CLA	OBD-CAD	3.18	1.28	1.22
22	B	826	CLA	C4B-NB	-3.18	1.33	1.37
22	3	304	CLA	C1B-NB	-3.18	1.33	1.37
22	2	304	CLA	OBD-CAD	3.18	1.28	1.22
29	6	315	5X6	C11-C03	3.18	1.55	1.45
29	7	314	5X6	C11-C03	3.18	1.55	1.45
22	B	832	CLA	CHD-C4C	3.17	1.46	1.39
22	B	805	CLA	OBD-CAD	3.17	1.28	1.22
22	A	811	CLA	CHD-C4C	3.17	1.46	1.39
22	B	826	CLA	CHD-C4C	3.17	1.46	1.39
22	A	816	CLA	CHD-C4C	3.17	1.46	1.39
22	O	203	CLA	OBD-CAD	3.17	1.27	1.22
22	B	836	CLA	C1D-ND	3.17	1.42	1.37
22	B	838	CLA	C1B-NB	-3.17	1.33	1.37
22	B	811	CLA	CHC-C4B	3.17	1.46	1.39
22	A	833	CLA	C1D-ND	3.17	1.42	1.37
22	A	859	CLA	C4B-NB	-3.17	1.33	1.37
22	A	822	CLA	C4B-NB	-3.16	1.33	1.37
22	2	307	CLA	C3B-C4B	3.16	1.51	1.42
22	B	808	CLA	C1B-NB	-3.16	1.33	1.37
22	B	821	CLA	OBD-CAD	3.16	1.27	1.22
22	1	305	CLA	C1B-NB	-3.16	1.33	1.37
22	A	818	CLA	CHD-C4C	3.16	1.46	1.39
22	A	808	CLA	CHB-C1B	3.16	1.46	1.39
22	A	825	CLA	CHD-C4C	3.16	1.46	1.39
22	A	808	CLA	OBD-CAD	3.15	1.27	1.22
22	B	805	CLA	C4B-NB	-3.15	1.33	1.37
22	7	310	CLA	C1B-NB	-3.15	1.33	1.37
29	5	313	5X6	C11-C03	3.15	1.55	1.45
22	3	305	CLA	C3B-C4B	3.15	1.51	1.42
22	B	815	CLA	C4B-NB	-3.15	1.33	1.37
22	2	311	CLA	C1B-NB	-3.15	1.33	1.37
29	4	315	5X6	C11-C03	3.15	1.55	1.45
25	Z	202	BCR	C8-C9	-3.15	1.39	1.46
22	B	835	CLA	C1B-NB	-3.15	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	818	CLA	CHD-C4C	3.15	1.46	1.39
22	A	835	CLA	C1D-ND	3.14	1.42	1.37
22	A	848	CLA	C3D-C2D	3.14	1.47	1.39
22	O	205	CLA	C1B-NB	-3.14	1.33	1.37
29	5	312	5X6	C11-C03	3.14	1.55	1.45
22	A	831	CLA	CHD-C4C	3.14	1.46	1.39
29	6	317	5X6	C33-C32	3.14	1.56	1.52
22	A	815	CLA	CHB-C1B	3.14	1.46	1.39
22	B	813	CLA	C1D-ND	3.14	1.42	1.37
22	5	304	CLA	C1B-NB	-3.14	1.33	1.37
22	7	312	CLA	C1B-NB	-3.14	1.33	1.37
22	A	857	CLA	C1D-ND	3.14	1.42	1.37
29	5	312	5X6	C05-C06	3.14	1.56	1.52
22	4	303	CLA	C3B-C4B	3.14	1.51	1.42
22	A	828	CLA	CHD-C1D	3.14	1.44	1.38
22	B	803	CLA	CHD-C4C	3.14	1.46	1.39
22	B	815	CLA	CHB-C1B	3.14	1.46	1.39
22	4	311	CLA	C1B-NB	-3.14	1.33	1.37
22	7	306	CLA	C1B-NB	-3.14	1.33	1.37
22	2	309	CLA	C1B-NB	-3.13	1.33	1.37
22	Z	201	CLA	CHB-C1B	3.13	1.46	1.39
22	A	835	CLA	CHD-C1D	3.13	1.44	1.38
22	2	311	CLA	C3B-C4B	3.13	1.51	1.42
29	4	314	5X6	C11-C03	3.13	1.55	1.45
22	6	308	CLA	C1B-NB	-3.13	1.33	1.37
22	B	810	CLA	C3D-C2D	3.13	1.47	1.39
22	A	831	CLA	C1D-ND	3.13	1.42	1.37
22	B	816	CLA	C4B-NB	-3.13	1.33	1.37
22	2	302	CLA	C1B-NB	-3.13	1.33	1.37
22	B	818	CLA	CHC-C4B	3.13	1.46	1.39
22	B	808	CLA	C3D-C2D	3.13	1.47	1.39
22	A	821	CLA	CHD-C1D	3.13	1.44	1.38
29	5	314	5X6	C05-C06	3.13	1.56	1.52
22	B	822	CLA	CHD-C4C	3.13	1.46	1.39
22	B	829	CLA	CHD-C1D	3.13	1.44	1.38
22	7	308	CLA	CHB-C1B	3.13	1.46	1.39
22	B	817	CLA	CHD-C4C	3.12	1.46	1.39
25	F	201	BCR	C23-C22	-3.12	1.39	1.46
22	B	833	CLA	C1D-ND	3.12	1.42	1.37
22	5	310	CLA	C1B-NB	-3.12	1.33	1.37
22	A	810	CLA	OBD-CAD	3.12	1.27	1.22
22	B	817	CLA	OBD-CAD	3.12	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	2	310	CLA	C1B-NB	-3.12	1.33	1.37
22	7	312	CLA	C3B-C4B	3.12	1.51	1.42
29	1	312	5X6	C05-C06	3.12	1.56	1.52
22	B	817	CLA	CHB-C1B	3.11	1.46	1.39
22	4	302	CLA	C1B-NB	-3.11	1.33	1.37
22	F	204	CLA	OBD-CAD	3.11	1.27	1.22
22	A	857	CLA	C4B-NB	-3.11	1.33	1.37
22	A	831	CLA	CHB-C1B	3.11	1.46	1.39
22	B	804	CLA	CHB-C1B	3.11	1.46	1.39
22	B	832	CLA	C1D-ND	3.11	1.41	1.37
22	B	815	CLA	OBD-CAD	3.11	1.27	1.22
22	7	307	CLA	C1B-NB	-3.11	1.33	1.37
22	5	305	CLA	C1B-NB	-3.11	1.33	1.37
22	7	311	CLA	C1B-NB	-3.11	1.33	1.37
25	A	845	BCR	C23-C22	-3.11	1.39	1.46
25	F	207	BCR	C8-C9	-3.11	1.39	1.46
25	4	316	BCR	C8-C9	-3.10	1.39	1.46
25	L	202	BCR	C23-C22	-3.10	1.39	1.46
22	B	849	CLA	C1D-ND	3.10	1.41	1.37
22	B	807	CLA	C4B-NB	-3.10	1.33	1.37
22	B	827	CLA	CHD-C4C	3.10	1.46	1.39
22	A	858	CLA	C1B-NB	-3.10	1.33	1.37
22	B	816	CLA	CHD-C4C	3.10	1.46	1.39
22	5	310	CLA	C4B-NB	-3.10	1.33	1.37
22	A	821	CLA	CHD-C4C	3.09	1.46	1.39
22	B	839	CLA	C1D-ND	3.09	1.41	1.37
29	2	312	5X6	C05-C06	3.09	1.56	1.52
22	O	206	CLA	C1B-NB	-3.09	1.33	1.37
22	6	306	CLA	C1B-NB	-3.09	1.33	1.37
22	A	820	CLA	OBD-CAD	3.09	1.27	1.22
22	B	801	CLA	CHC-C4B	3.09	1.46	1.39
22	A	828	CLA	OBD-CAD	3.09	1.27	1.22
22	A	803	CLA	CHD-C4C	3.09	1.46	1.39
22	5	306	CLA	C4B-NB	-3.09	1.33	1.37
22	B	825	CLA	C3D-C2D	3.09	1.47	1.39
22	6	311	CLA	C4B-NB	-3.08	1.33	1.37
22	5	309	CLA	OBD-CAD	3.08	1.27	1.22
22	7	304	CLA	C3B-C4B	3.08	1.51	1.42
25	B	843	BCR	C23-C22	-3.08	1.39	1.46
22	3	302	CLA	C1B-NB	-3.08	1.33	1.37
22	5	303	CLA	C1B-NB	-3.08	1.33	1.37
29	2	312	5X6	C11-C03	3.08	1.55	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	819	CLA	C1D-ND	3.08	1.41	1.37
22	B	826	CLA	C1D-ND	3.08	1.41	1.37
29	1	314	5X6	C11-C03	3.08	1.55	1.45
22	A	830	CLA	OBD-CAD	3.08	1.27	1.22
22	A	821	CLA	C1D-ND	3.08	1.41	1.37
22	B	818	CLA	C1B-NB	-3.08	1.33	1.37
22	7	306	CLA	C3B-C4B	3.08	1.51	1.42
22	7	313	CLA	C3B-C4B	3.08	1.51	1.42
22	A	839	CLA	CHD-C1D	3.07	1.44	1.38
22	4	308	CLA	C3B-C4B	3.07	1.51	1.42
29	O	207	5X6	C05-C06	3.07	1.56	1.52
29	1	311	5X6	C05-C06	3.07	1.56	1.52
29	1	316	5X6	C11-C03	3.07	1.55	1.45
29	7	316	5X6	C05-C06	3.07	1.56	1.52
22	7	305	CLA	OBD-CAD	3.06	1.27	1.22
29	7	315	5X6	C11-C03	3.06	1.55	1.45
22	6	305	CLA	OBD-CAD	3.06	1.27	1.22
22	4	307	CLA	C1B-NB	-3.06	1.33	1.37
22	B	837	CLA	CHC-C4B	3.06	1.46	1.39
22	B	849	CLA	OBD-CAD	3.06	1.27	1.22
22	A	805	CLA	C4B-NB	-3.06	1.33	1.37
22	2	308	CLA	C3B-C4B	3.05	1.51	1.42
22	A	826	CLA	C1C-NC	-3.05	1.33	1.37
29	7	316	5X6	C11-C03	3.05	1.55	1.45
22	A	806	CLA	C1B-NB	-3.05	1.33	1.37
22	4	306	CLA	C3B-C4B	3.05	1.51	1.42
22	A	816	CLA	C1D-ND	3.05	1.41	1.37
22	3	301	CLA	C1B-NB	-3.05	1.33	1.37
22	7	308	CLA	C3B-C4B	3.05	1.51	1.42
22	B	802	CLA	C1D-ND	3.05	1.41	1.37
29	1	316	5X6	C05-C06	3.04	1.56	1.52
22	A	825	CLA	OBD-CAD	3.04	1.27	1.22
22	A	809	CLA	C1D-ND	3.04	1.41	1.37
22	B	806	CLA	OBD-CAD	3.04	1.27	1.22
29	7	318	5X6	C05-C06	3.04	1.56	1.52
29	5	321	5X6	C11-C03	3.04	1.55	1.45
22	2	310	CLA	C3B-C4B	3.04	1.51	1.42
22	B	809	CLA	OBD-CAD	3.03	1.27	1.22
22	A	835	CLA	C1C-NC	-3.03	1.33	1.37
22	A	821	CLA	CHB-C1B	3.03	1.46	1.39
22	K	101	CLA	C4B-NB	-3.03	1.33	1.37
22	3	304	CLA	C3B-C4B	3.03	1.51	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	823	CLA	CHD-C4C	3.03	1.46	1.39
22	A	828	CLA	CHC-C4B	3.03	1.46	1.39
22	A	806	CLA	CHD-C4C	3.02	1.46	1.39
29	4	315	5X6	C05-C06	3.02	1.56	1.52
29	3	306	5X6	C11-C03	3.02	1.55	1.45
22	4	310	CLA	OBD-CAD	3.02	1.27	1.22
22	B	829	CLA	C1D-ND	3.02	1.41	1.37
22	B	837	CLA	OBD-CAD	3.02	1.27	1.22
22	7	305	CLA	C4B-NB	-3.02	1.33	1.37
22	1	307	CLA	C1B-NB	-3.02	1.33	1.37
22	B	819	CLA	CHB-C1B	3.02	1.46	1.39
22	A	819	CLA	CHD-C4C	3.02	1.46	1.39
22	B	810	CLA	CHD-C4C	3.02	1.46	1.39
29	7	318	5X6	C11-C03	3.02	1.55	1.45
22	1	310	CLA	C1B-NB	-3.02	1.33	1.37
22	B	839	CLA	OBD-CAD	3.02	1.27	1.22
22	2	306	CLA	C4C-C3C	3.02	1.50	1.45
22	B	837	CLA	C1B-NB	-3.02	1.33	1.37
22	7	311	CLA	C3B-C4B	3.01	1.51	1.42
22	B	825	CLA	CHD-C4C	3.01	1.46	1.39
22	O	204	CLA	C1B-NB	-3.01	1.33	1.37
25	B	844	BCR	C8-C9	-3.01	1.39	1.46
22	4	309	CLA	C3B-C4B	3.01	1.51	1.42
29	O	208	5X6	C11-C03	3.01	1.55	1.45
29	4	313	5X6	C11-C03	3.01	1.55	1.45
29	O	207	5X6	C11-C03	3.01	1.55	1.45
25	B	843	BCR	C8-C9	-3.01	1.39	1.46
22	B	814	CLA	OBD-CAD	3.01	1.27	1.22
22	A	815	CLA	C3B-C4B	3.00	1.51	1.42
22	A	813	CLA	OBD-CAD	3.00	1.27	1.22
22	A	831	CLA	OBD-CAD	3.00	1.27	1.22
29	3	306	5X6	C05-C06	3.00	1.56	1.52
22	O	206	CLA	C4B-NB	-3.00	1.33	1.37
22	A	839	CLA	CHD-C4C	3.00	1.46	1.39
22	O	204	CLA	C3B-C4B	2.99	1.51	1.42
22	2	306	CLA	C3B-C4B	2.99	1.51	1.42
29	J	104	5X6	C05-C06	2.99	1.56	1.52
21	A	801	CL0	CHC-C1C	2.99	1.45	1.39
22	2	309	CLA	C3B-C4B	2.99	1.51	1.42
22	2	304	CLA	C3B-C4B	2.99	1.51	1.42
22	5	305	CLA	C3B-C4B	2.99	1.51	1.42
22	6	307	CLA	C1B-NB	-2.99	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	858	CLA	C4B-NB	-2.99	1.33	1.37
22	B	803	CLA	C4B-NB	-2.99	1.33	1.37
29	5	321	5X6	C05-C06	2.99	1.56	1.52
29	Z	206	5X6	C05-C06	2.98	1.56	1.52
29	J	104	5X6	C11-C03	2.98	1.55	1.45
22	7	310	CLA	C3B-C4B	2.97	1.51	1.42
22	A	808	CLA	C4B-NB	-2.97	1.34	1.37
29	6	316	5X6	C05-C06	2.97	1.56	1.52
22	A	831	CLA	C4B-NB	-2.97	1.34	1.37
22	O	205	CLA	C3B-C4B	2.97	1.51	1.42
22	A	812	CLA	C4B-NB	-2.97	1.34	1.37
25	F	201	BCR	C8-C9	-2.97	1.39	1.46
22	3	303	CLA	C3B-C4B	2.97	1.51	1.42
22	B	808	CLA	C1D-ND	2.97	1.41	1.37
22	B	803	CLA	CHC-C4B	2.96	1.46	1.39
22	2	302	CLA	C3B-C4B	2.96	1.51	1.42
22	F	205	CLA	OBD-CAD	2.96	1.27	1.22
25	J	103	BCR	C21-C22	2.96	1.42	1.35
22	6	310	CLA	C4B-NB	-2.96	1.34	1.37
22	A	827	CLA	CHC-C4B	2.96	1.46	1.39
22	B	806	CLA	C1B-C2B	2.96	1.50	1.43
29	5	313	5X6	C05-C06	2.96	1.56	1.52
22	7	310	CLA	C4C-C3C	2.96	1.50	1.45
22	B	828	CLA	CHC-C4B	2.95	1.46	1.39
22	B	816	CLA	C1B-NB	-2.95	1.34	1.37
22	B	833	CLA	C4B-NB	-2.95	1.34	1.37
22	A	811	CLA	CHD-C1D	2.95	1.44	1.38
25	A	844	BCR	C23-C22	-2.95	1.39	1.46
29	7	317	5X6	C11-C03	2.95	1.55	1.45
22	B	818	CLA	OBD-CAD	2.94	1.27	1.22
22	1	308	CLA	C3B-C4B	2.94	1.51	1.42
22	A	811	CLA	OBD-CAD	2.94	1.27	1.22
22	6	313	CLA	C4B-NB	-2.94	1.34	1.37
22	B	813	CLA	CHD-C4C	2.93	1.45	1.39
22	B	820	CLA	C1B-NB	-2.93	1.34	1.37
22	A	835	CLA	CHC-C4B	2.93	1.46	1.39
22	A	821	CLA	C1B-NB	-2.93	1.34	1.37
22	7	303	CLA	C4C-C3C	2.93	1.50	1.45
22	6	306	CLA	C4B-NB	-2.93	1.34	1.37
29	2	313	5X6	C11-C03	2.93	1.55	1.45
22	5	305	CLA	C4C-C3C	2.93	1.50	1.45
22	6	306	CLA	C1B-C2B	2.93	1.50	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	819	CLA	OBD-CAD	2.93	1.27	1.22
29	4	313	5X6	C05-C06	2.92	1.56	1.52
22	L	205	CLA	C3B-C4B	2.92	1.51	1.42
22	B	835	CLA	OBD-CAD	2.92	1.27	1.22
22	A	823	CLA	CHD-C4C	2.92	1.45	1.39
22	A	848	CLA	MG-ND	-2.92	2.00	2.05
22	B	808	CLA	C3D-C4D	-2.92	1.37	1.44
22	A	804	CLA	OBD-CAD	2.91	1.27	1.22
25	I	102	BCR	C23-C22	-2.91	1.39	1.46
22	4	312	CLA	C3B-C4B	2.91	1.51	1.42
22	1	303	CLA	C3B-C4B	2.91	1.51	1.42
29	Z	206	5X6	C14-C13	2.91	1.42	1.35
22	7	307	CLA	C4C-C3C	2.91	1.50	1.45
29	5	314	5X6	C11-C03	2.91	1.55	1.45
22	1	306	CLA	C4B-NB	-2.91	1.34	1.37
22	7	304	CLA	C1C-C2C	2.91	1.50	1.44
22	A	811	CLA	C1D-ND	2.91	1.41	1.37
25	K	103	BCR	C10-C9	2.90	1.42	1.35
22	7	307	CLA	C3B-C4B	2.90	1.51	1.42
22	B	810	CLA	C4B-NB	-2.90	1.34	1.37
29	1	311	5X6	C11-C03	2.90	1.55	1.45
22	5	306	CLA	C1B-C2B	2.90	1.49	1.43
29	7	318	5X6	C14-C13	2.90	1.42	1.35
22	A	837	CLA	C1C-NC	-2.90	1.33	1.37
22	5	308	CLA	C3B-C4B	2.90	1.51	1.42
29	1	312	5X6	C11-C03	2.90	1.55	1.45
22	1	306	CLA	C1B-C2B	2.90	1.49	1.43
22	5	303	CLA	C4B-NB	-2.90	1.34	1.37
22	A	802	CLA	CHD-C4C	2.90	1.45	1.39
22	A	815	CLA	C1B-NB	-2.90	1.34	1.37
22	7	303	CLA	C1B-NB	-2.89	1.34	1.37
22	6	305	CLA	C4B-NB	-2.89	1.34	1.37
29	1	313	5X6	C11-C03	2.89	1.55	1.45
25	F	207	BCR	C23-C22	-2.89	1.39	1.46
22	B	808	CLA	CHD-C1D	2.89	1.44	1.38
22	B	822	CLA	C1C-NC	-2.89	1.33	1.37
22	1	309	CLA	C3B-C4B	2.89	1.51	1.42
22	1	308	CLA	C1B-NB	-2.89	1.34	1.37
22	6	309	CLA	CHB-C1B	2.89	1.45	1.39
22	B	829	CLA	CHD-C4C	2.88	1.45	1.39
22	5	304	CLA	C4B-NB	-2.88	1.34	1.37
29	1	314	5X6	C05-C06	2.88	1.56	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	4	316	BCR	C23-C22	-2.88	1.39	1.46
22	A	807	CLA	C1B-C2B	2.88	1.49	1.43
22	2	305	CLA	C4B-NB	-2.88	1.34	1.37
31	5	322	RRX	C23-C22	-2.88	1.39	1.46
29	7	315	5X6	C21-C22	2.88	1.42	1.35
22	7	303	CLA	C4B-NB	-2.87	1.34	1.37
25	Z	205	BCR	C8-C9	-2.87	1.39	1.46
22	1	306	CLA	C1B-NB	-2.87	1.34	1.37
22	B	827	CLA	C1C-NC	-2.87	1.33	1.37
22	B	837	CLA	C1D-ND	2.87	1.41	1.37
22	A	804	CLA	CHD-C4C	2.87	1.45	1.39
22	B	805	CLA	CHD-C4C	2.87	1.45	1.39
22	A	809	CLA	CHB-C1B	2.87	1.45	1.39
22	B	825	CLA	OBD-CAD	2.87	1.27	1.22
22	B	813	CLA	C1B-C2B	2.87	1.49	1.43
22	6	314	CLA	C3B-C4B	2.86	1.51	1.42
22	K	101	CLA	C1B-NB	-2.86	1.34	1.37
22	5	307	CLA	C4B-NB	-2.86	1.34	1.37
22	A	848	CLA	CHD-C4C	2.86	1.45	1.39
22	B	824	CLA	OBD-CAD	2.86	1.27	1.22
25	A	861	BCR	C12-C13	-2.85	1.39	1.46
25	A	845	BCR	C12-C13	-2.85	1.39	1.46
22	A	848	CLA	OBD-CAD	2.85	1.27	1.22
22	A	807	CLA	CHD-C4C	2.85	1.45	1.39
22	A	804	CLA	CHC-C1C	2.85	1.44	1.38
22	A	835	CLA	OBD-CAD	2.85	1.27	1.22
22	B	823	CLA	C1B-NB	-2.85	1.34	1.37
22	B	850	CLA	C3B-C4B	2.85	1.51	1.42
22	1	307	CLA	C1B-C2B	2.85	1.49	1.43
29	2	313	5X6	C25-C26	2.84	1.42	1.35
22	3	303	CLA	C4C-C3C	2.84	1.49	1.45
22	A	838	CLA	C1D-ND	2.84	1.41	1.37
29	1	314	5X6	C14-C13	2.84	1.42	1.35
22	1	305	CLA	C3B-C4B	2.83	1.51	1.42
22	2	309	CLA	C4C-C3C	2.83	1.49	1.45
22	A	824	CLA	OBD-CAD	2.83	1.27	1.22
25	A	861	BCR	C8-C9	-2.83	1.39	1.46
29	3	306	5X6	C21-C22	2.83	1.42	1.35
22	B	832	CLA	C3D-C2D	2.83	1.46	1.39
25	L	206	BCR	C10-C9	2.83	1.42	1.35
22	5	302	CLA	C4B-NB	-2.83	1.34	1.37
22	B	838	CLA	C1D-ND	2.82	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	811	CLA	C4C-C3C	2.82	1.49	1.45
22	A	825	CLA	C1B-C2B	2.82	1.49	1.43
22	7	303	CLA	C1B-C2B	2.82	1.49	1.43
22	B	821	CLA	C3B-C4B	2.82	1.50	1.42
22	5	309	CLA	C3B-C4B	2.82	1.50	1.42
22	A	839	CLA	OBD-CAD	2.82	1.27	1.22
22	A	826	CLA	CHD-C4C	2.81	1.45	1.39
25	A	862	BCR	C8-C9	-2.81	1.39	1.46
22	A	838	CLA	CHD-C4C	2.81	1.45	1.39
22	B	821	CLA	C4B-NB	-2.81	1.34	1.37
22	6	303	CLA	C3B-C4B	2.81	1.50	1.42
22	2	303	CLA	C4B-NB	-2.81	1.34	1.37
22	B	836	CLA	C4B-NB	-2.81	1.34	1.37
29	4	314	5X6	C14-C13	2.81	1.42	1.35
22	B	831	CLA	OBD-CAD	2.80	1.27	1.22
25	B	844	BCR	C23-C22	-2.80	1.40	1.46
29	1	313	5X6	C05-C06	2.80	1.56	1.52
22	1	307	CLA	C4B-NB	-2.80	1.34	1.37
22	B	809	CLA	CHC-C4B	2.80	1.45	1.39
23	B	840	A1L64	C3-C2	-2.80	1.40	1.48
29	2	312	5X6	C25-C26	2.80	1.42	1.35
22	A	828	CLA	CHD-C4C	2.80	1.45	1.39
29	1	316	5X6	C18-C17	2.80	1.42	1.35
22	B	819	CLA	C3B-C4B	2.79	1.50	1.42
29	6	317	5X6	C11-C03	2.79	1.54	1.45
29	3	306	5X6	C25-C26	2.79	1.42	1.35
29	6	316	5X6	C14-C13	2.79	1.42	1.35
22	B	825	CLA	C1D-ND	2.79	1.41	1.37
22	A	803	CLA	CHC-C4B	2.79	1.45	1.39
22	A	821	CLA	C4B-NB	-2.78	1.34	1.37
22	A	859	CLA	C1B-C2B	2.78	1.49	1.43
22	A	802	CLA	C3D-C4D	-2.78	1.37	1.44
29	M	101	5X6	C11-C03	2.78	1.54	1.45
22	A	830	CLA	C1B-C2B	2.78	1.49	1.43
22	A	823	CLA	C1B-C2B	2.78	1.49	1.43
22	B	802	CLA	C1C-C2C	2.78	1.50	1.44
25	5	315	BCR	C8-C9	-2.78	1.40	1.46
29	B	851	5X6	C21-C22	2.78	1.42	1.35
22	2	302	CLA	C4D-CHA	2.78	1.47	1.38
29	5	321	5X6	C18-C17	2.78	1.42	1.35
25	Z	202	BCR	C23-C22	-2.78	1.40	1.46
22	5	308	CLA	C3A-C2A	-2.78	1.52	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	M	101	5X6	C05-C06	2.78	1.56	1.52
29	7	314	5X6	C21-C22	2.77	1.42	1.35
29	B	851	5X6	C11-C03	2.77	1.54	1.45
29	2	312	5X6	C21-C22	2.77	1.42	1.35
22	5	301	CLA	C3B-C4B	2.77	1.50	1.42
22	A	806	CLA	C1D-ND	2.77	1.41	1.37
29	Z	206	5X6	C21-C22	2.76	1.42	1.35
22	4	302	CLA	C4B-NB	-2.76	1.34	1.37
29	1	316	5X6	C25-C26	2.76	1.42	1.35
23	A	840	A1L64	C3-C2	-2.76	1.40	1.48
22	4	310	CLA	C3B-C4B	2.75	1.50	1.42
29	7	314	5X6	C05-C06	2.75	1.56	1.52
25	1	301	BCR	C23-C22	-2.75	1.40	1.46
25	L	201	BCR	C19-C18	-2.75	1.40	1.46
22	B	830	CLA	OBD-CAD	2.75	1.27	1.22
22	5	303	CLA	C1B-C2B	2.75	1.49	1.43
29	O	208	5X6	C18-C17	2.75	1.42	1.35
22	A	848	CLA	C1B-C2B	2.75	1.49	1.43
22	L	204	CLA	C1B-C2B	2.75	1.49	1.43
29	7	314	5X6	C25-C26	2.75	1.42	1.35
22	A	848	CLA	C1D-ND	2.75	1.41	1.37
22	6	311	CLA	C1B-C2B	2.74	1.49	1.43
25	A	845	BCR	C19-C18	-2.74	1.40	1.46
22	A	806	CLA	C1C-NC	-2.74	1.33	1.37
22	4	310	CLA	C4B-NB	-2.74	1.34	1.37
22	B	832	CLA	OBD-CAD	2.74	1.27	1.22
29	4	314	5X6	C18-C17	2.74	1.42	1.35
25	A	843	BCR	C23-C22	-2.74	1.40	1.46
29	O	208	5X6	C14-C13	2.74	1.42	1.35
22	5	304	CLA	C1B-C2B	2.74	1.49	1.43
22	B	812	CLA	C3B-C4B	2.73	1.50	1.42
29	2	313	5X6	C18-C17	2.73	1.42	1.35
25	A	846	BCR	C12-C13	-2.73	1.40	1.46
22	6	304	CLA	C1C-C2C	2.73	1.50	1.44
29	4	313	5X6	C18-C17	2.73	1.42	1.35
22	4	305	CLA	C1B-C2B	2.73	1.49	1.43
22	B	814	CLA	C4B-NB	-2.73	1.34	1.37
22	2	302	CLA	C4C-C3C	2.73	1.49	1.45
22	A	819	CLA	OBD-CAD	2.73	1.27	1.22
22	Z	204	CLA	C1B-C2B	2.73	1.49	1.43
29	2	314	5X6	C05-C06	2.73	1.56	1.52
22	A	836	CLA	C1B-C2B	2.73	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	825	CLA	C3D-C4D	-2.73	1.38	1.44
22	2	305	CLA	C4C-C3C	2.73	1.49	1.45
25	Z	202	BCR	C12-C13	-2.73	1.40	1.46
22	B	834	CLA	C4B-NB	-2.73	1.34	1.37
25	B	842	BCR	C23-C22	-2.73	1.40	1.46
22	A	858	CLA	C1D-ND	2.72	1.41	1.37
29	4	313	5X6	C25-C26	2.72	1.42	1.35
25	A	843	BCR	C8-C9	-2.72	1.40	1.46
22	4	306	CLA	C4C-C3C	2.72	1.49	1.45
22	A	836	CLA	OBD-CAD	2.72	1.27	1.22
31	5	322	RRX	C8-C9	-2.72	1.40	1.46
22	B	804	CLA	C4D-CHA	2.72	1.47	1.38
22	B	824	CLA	C4D-CHA	2.72	1.47	1.38
22	A	839	CLA	C4B-NB	-2.72	1.34	1.37
22	B	820	CLA	C3B-C4B	2.72	1.50	1.42
22	4	302	CLA	C1B-C2B	2.72	1.49	1.43
22	2	307	CLA	C1C-C2C	2.72	1.50	1.44
25	K	103	BCR	C14-C13	2.72	1.42	1.35
29	6	315	5X6	C05-C06	2.72	1.56	1.52
22	B	836	CLA	C1B-C2B	2.72	1.49	1.43
29	7	314	5X6	C14-C13	2.71	1.42	1.35
22	6	309	CLA	C4B-NB	-2.71	1.34	1.37
25	A	843	BCR	C10-C9	2.71	1.42	1.35
22	3	302	CLA	C4B-NB	-2.71	1.34	1.37
22	B	806	CLA	C4B-NB	-2.71	1.34	1.37
22	F	206	CLA	C3A-C2A	-2.71	1.52	1.54
22	J	102	CLA	C3B-C4B	2.71	1.50	1.42
22	F	204	CLA	C1C-C2C	2.70	1.50	1.44
29	1	314	5X6	C18-C17	2.70	1.42	1.35
25	F	201	BCR	C19-C18	-2.70	1.40	1.46
22	A	820	CLA	C1C-NC	-2.70	1.33	1.37
22	B	834	CLA	OBD-CAD	2.70	1.27	1.22
22	7	307	CLA	C4D-CHA	2.70	1.47	1.38
22	B	802	CLA	C1B-NB	-2.70	1.34	1.37
31	1	315	RRX	C23-C22	-2.70	1.40	1.46
22	5	303	CLA	C4D-CHA	2.70	1.47	1.38
22	A	857	CLA	CHD-C4C	2.70	1.45	1.39
25	Z	202	BCR	C19-C18	-2.70	1.40	1.46
22	A	807	CLA	C4D-CHA	2.69	1.47	1.38
22	L	205	CLA	C1C-C2C	2.69	1.50	1.44
22	2	310	CLA	C4C-C3C	2.69	1.49	1.45
25	5	315	BCR	C23-C22	-2.69	1.40	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	810	CLA	C1C-NC	-2.69	1.33	1.37
22	3	305	CLA	C1C-C2C	2.69	1.50	1.44
29	2	312	5X6	C18-C17	2.69	1.42	1.35
22	1	302	CLA	C3B-C4B	2.69	1.50	1.42
23	B	840	A1L64	C4-C5	-2.69	1.41	1.48
22	O	206	CLA	C4D-CHA	2.69	1.47	1.38
29	1	311	5X6	C14-C13	2.69	1.42	1.35
22	K	101	CLA	C3B-C2B	2.69	1.50	1.41
25	2	301	BCR	C8-C9	-2.69	1.40	1.46
31	6	318	RRX	C8-C9	-2.69	1.40	1.46
22	7	310	CLA	C4D-CHA	2.69	1.47	1.38
25	B	843	BCR	C12-C13	-2.69	1.40	1.46
29	7	315	5X6	C25-C26	2.68	1.42	1.35
22	A	824	CLA	C1B-C2B	2.68	1.49	1.43
22	B	816	CLA	C4D-CHA	2.68	1.47	1.38
22	3	301	CLA	C1C-C2C	2.68	1.50	1.44
29	6	315	5X6	C25-C26	2.68	1.42	1.35
22	A	803	CLA	OBD-CAD	2.68	1.27	1.22
29	O	208	5X6	C25-C26	2.68	1.42	1.35
22	1	305	CLA	C4D-CHA	2.68	1.47	1.38
29	5	313	5X6	C25-C26	2.68	1.42	1.35
22	7	305	CLA	C4D-CHA	2.68	1.47	1.38
22	6	312	CLA	C3B-C4B	2.67	1.50	1.42
22	6	309	CLA	C3B-C4B	2.67	1.50	1.42
25	Z	205	BCR	C10-C9	2.67	1.42	1.35
22	4	308	CLA	C1C-C2C	2.67	1.49	1.44
22	A	819	CLA	C3D-C4D	-2.67	1.38	1.44
29	7	314	5X6	C18-C17	2.67	1.42	1.35
22	6	310	CLA	C3B-C4B	2.67	1.50	1.42
22	B	801	CLA	C1D-ND	2.67	1.41	1.37
22	2	306	CLA	C4D-CHA	2.66	1.47	1.38
22	7	313	CLA	C4D-CHA	2.66	1.47	1.38
22	B	803	CLA	OBD-CAD	2.66	1.27	1.22
22	A	805	CLA	OBD-CAD	2.66	1.27	1.22
22	7	311	CLA	C4C-C3C	2.66	1.49	1.45
22	2	309	CLA	C4D-CHA	2.66	1.47	1.38
22	B	838	CLA	CHD-C4C	2.66	1.45	1.39
29	4	314	5X6	C25-C26	2.66	1.42	1.35
21	A	801	CL0	CHD-C1D	2.66	1.43	1.39
25	F	201	BCR	C12-C13	-2.66	1.40	1.46
22	B	823	CLA	C1C-NC	-2.66	1.33	1.37
22	A	822	CLA	OBD-CAD	2.66	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	3	302	CLA	C1B-C2B	2.66	1.49	1.43
22	B	819	CLA	C3D-C4D	-2.66	1.38	1.44
29	7	315	5X6	C14-C13	2.65	1.41	1.35
22	2	303	CLA	C1B-C2B	2.65	1.49	1.43
22	4	306	CLA	C4D-CHA	2.65	1.47	1.38
22	6	307	CLA	C4D-CHA	2.65	1.47	1.38
22	A	817	CLA	OBD-CAD	2.65	1.27	1.22
22	B	828	CLA	OBD-CAD	2.65	1.27	1.22
22	A	858	CLA	C3D-C4D	-2.65	1.38	1.44
22	B	821	CLA	C1B-NB	-2.65	1.34	1.37
21	A	801	CL0	OBD-CAD	2.65	1.25	1.22
29	4	313	5X6	C14-C13	2.65	1.41	1.35
22	3	303	CLA	C4D-CHA	2.65	1.47	1.38
22	B	818	CLA	C4D-CHA	2.65	1.47	1.38
22	6	308	CLA	C3B-C4B	2.65	1.50	1.42
22	A	807	CLA	C1C-NC	-2.64	1.33	1.37
22	F	204	CLA	CHD-C4C	2.64	1.45	1.39
22	7	308	CLA	C4C-C3C	2.64	1.49	1.45
29	5	321	5X6	C14-C13	2.64	1.41	1.35
22	5	311	CLA	C4D-CHA	2.64	1.47	1.38
22	K	102	CLA	C4D-CHA	2.64	1.47	1.38
29	6	315	5X6	C21-C22	2.64	1.41	1.35
25	L	201	BCR	C23-C22	-2.64	1.40	1.46
22	5	306	CLA	C4D-CHA	2.64	1.47	1.38
22	Z	201	CLA	C3D-C4D	-2.64	1.38	1.44
22	B	806	CLA	C1C-NC	-2.64	1.33	1.37
22	B	828	CLA	C1D-ND	2.64	1.41	1.37
22	A	833	CLA	C4B-NB	-2.64	1.34	1.37
29	O	208	5X6	C21-C22	2.64	1.41	1.35
29	6	317	5X6	C25-C26	2.64	1.41	1.35
22	B	821	CLA	C4D-CHA	2.64	1.47	1.38
22	A	813	CLA	C1B-C2B	2.64	1.49	1.43
22	7	306	CLA	C4C-C3C	2.64	1.49	1.45
25	A	861	BCR	C19-C18	-2.64	1.40	1.46
22	B	828	CLA	CHD-C4C	2.64	1.45	1.39
29	4	315	5X6	C18-C17	2.63	1.41	1.35
22	1	308	CLA	C1B-C2B	2.63	1.49	1.43
22	B	828	CLA	C1C-NC	-2.63	1.33	1.37
22	A	822	CLA	C1C-NC	-2.63	1.33	1.37
29	1	316	5X6	C14-C13	2.63	1.41	1.35
22	J	102	CLA	C4C-C3C	2.63	1.49	1.45
22	4	302	CLA	C3B-C2B	2.63	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	1	309	CLA	C4D-CHA	2.63	1.47	1.38
22	A	816	CLA	C3D-C4D	-2.63	1.38	1.44
22	1	304	CLA	C3D-C4D	-2.63	1.38	1.44
22	6	313	CLA	C4D-CHA	2.62	1.47	1.38
22	A	821	CLA	OBD-CAD	2.62	1.27	1.22
22	7	308	CLA	C1C-C2C	2.62	1.49	1.44
22	4	307	CLA	C4D-CHA	2.62	1.47	1.38
22	7	303	CLA	C4D-CHA	2.62	1.47	1.38
22	5	301	CLA	C4D-CHA	2.62	1.47	1.38
22	B	807	CLA	C3D-C4D	-2.62	1.38	1.44
22	O	203	CLA	C4D-CHA	2.62	1.47	1.38
22	A	805	CLA	C1C-NC	-2.62	1.33	1.37
22	L	203	CLA	C4D-CHA	2.62	1.47	1.38
22	B	834	CLA	C1B-C2B	2.62	1.49	1.43
22	B	850	CLA	C1B-C2B	2.62	1.49	1.43
22	A	819	CLA	C4D-CHA	2.62	1.47	1.38
25	I	102	BCR	C8-C9	-2.62	1.40	1.46
22	A	803	CLA	C1B-C2B	2.62	1.49	1.43
22	1	304	CLA	C1B-C2B	2.62	1.49	1.43
31	6	318	RRX	C23-C22	-2.62	1.40	1.46
22	B	823	CLA	C3B-C4B	2.61	1.50	1.42
22	B	801	CLA	C1B-C2B	2.61	1.49	1.43
22	A	821	CLA	C3B-C4B	2.61	1.50	1.42
22	2	311	CLA	C4D-CHA	2.61	1.47	1.38
31	4	317	RRX	C8-C9	-2.61	1.40	1.46
22	O	206	CLA	C1B-C2B	2.61	1.49	1.43
29	J	104	5X6	C14-C13	2.61	1.41	1.35
29	6	316	5X6	C25-C26	2.61	1.41	1.35
29	7	317	5X6	C18-C17	2.61	1.41	1.35
22	5	305	CLA	C4D-CHA	2.61	1.47	1.38
22	7	312	CLA	C1C-C2C	2.61	1.49	1.44
22	1	310	CLA	C3B-C4B	2.61	1.50	1.42
22	6	307	CLA	C3B-C4B	2.61	1.50	1.42
22	B	829	CLA	C4D-CHA	2.61	1.47	1.38
22	2	308	CLA	C1C-C2C	2.61	1.49	1.44
29	5	313	5X6	C14-C13	2.61	1.41	1.35
22	2	305	CLA	C3B-C2B	2.61	1.50	1.41
31	1	315	RRX	C8-C9	-2.61	1.40	1.46
22	2	305	CLA	C1B-C2B	2.61	1.49	1.43
22	2	311	CLA	C1C-C2C	2.61	1.49	1.44
22	A	802	CLA	C1D-ND	2.61	1.41	1.37
22	B	810	CLA	C1D-ND	2.61	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	1	308	CLA	C4D-CHA	2.60	1.47	1.38
22	B	839	CLA	C4D-CHA	2.60	1.47	1.38
29	5	312	5X6	C14-C13	2.60	1.41	1.35
22	B	810	CLA	C1C-C2C	2.60	1.49	1.44
22	A	838	CLA	C3D-C4D	-2.60	1.38	1.44
22	A	837	CLA	OBD-CAD	2.60	1.27	1.22
25	I	102	BCR	C19-C18	-2.60	1.40	1.46
22	3	304	CLA	C4D-CHA	2.60	1.47	1.38
22	L	204	CLA	C4D-CHA	2.60	1.47	1.38
29	5	313	5X6	C18-C17	2.60	1.41	1.35
22	B	821	CLA	C1C-C2C	2.60	1.49	1.44
29	5	312	5X6	C18-C17	2.60	1.41	1.35
22	7	311	CLA	C4D-CHA	2.60	1.47	1.38
22	A	809	CLA	C3B-C4B	2.60	1.50	1.42
22	A	824	CLA	C4D-CHA	2.60	1.47	1.38
25	F	207	BCR	C10-C9	2.60	1.41	1.35
22	4	303	CLA	C1C-C2C	2.60	1.49	1.44
29	7	317	5X6	C14-C13	2.60	1.41	1.35
22	2	307	CLA	C4D-CHA	2.60	1.47	1.38
29	7	318	5X6	C25-C26	2.60	1.41	1.35
25	B	841	BCR	C23-C22	-2.60	1.40	1.46
22	B	806	CLA	C4D-CHA	2.60	1.47	1.38
22	B	820	CLA	C4D-CHA	2.60	1.47	1.38
22	2	310	CLA	C4D-CHA	2.60	1.47	1.38
25	A	844	BCR	C12-C13	-2.60	1.40	1.46
22	A	818	CLA	C1B-C2B	2.60	1.49	1.43
22	3	302	CLA	C4D-CHA	2.59	1.47	1.38
29	1	314	5X6	C25-C26	2.59	1.41	1.35
22	B	812	CLA	C4D-CHA	2.59	1.47	1.38
22	Z	201	CLA	C4B-NB	-2.59	1.34	1.37
29	1	311	5X6	C25-C26	2.59	1.41	1.35
22	L	205	CLA	C4D-CHA	2.59	1.47	1.38
29	3	306	5X6	C14-C13	2.59	1.41	1.35
22	7	308	CLA	C4D-CHA	2.59	1.47	1.38
22	5	307	CLA	C1B-C2B	2.59	1.49	1.43
22	7	313	CLA	C4C-C3C	2.59	1.49	1.45
22	A	817	CLA	C4C-C3C	2.59	1.49	1.45
22	4	304	CLA	C4D-CHA	2.59	1.47	1.38
29	2	313	5X6	C14-C13	2.59	1.41	1.35
22	A	839	CLA	C1C-NC	-2.59	1.33	1.37
22	B	850	CLA	C4D-CHA	2.59	1.47	1.38
25	L	206	BCR	C8-C9	-2.59	1.40	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	804	CLA	C4D-CHA	2.59	1.47	1.38
22	B	815	CLA	C4D-CHA	2.59	1.47	1.38
25	L	202	BCR	C8-C9	-2.59	1.40	1.46
25	J	103	BCR	C10-C9	2.59	1.41	1.35
22	2	304	CLA	C4D-CHA	2.59	1.47	1.38
22	7	306	CLA	C1C-C2C	2.59	1.49	1.44
22	A	848	CLA	C3D-C4D	-2.58	1.38	1.44
29	1	311	5X6	C18-C17	2.58	1.41	1.35
22	O	206	CLA	C4C-C3C	2.58	1.49	1.45
22	O	204	CLA	C4D-CHA	2.58	1.47	1.38
22	B	808	CLA	C1C-NC	-2.58	1.33	1.37
29	5	313	5X6	C21-C22	2.58	1.41	1.35
29	7	316	5X6	C18-C17	2.58	1.41	1.35
22	7	312	CLA	C4D-CHA	2.58	1.47	1.38
22	F	206	CLA	C4D-CHA	2.58	1.47	1.38
25	A	861	BCR	C23-C22	-2.58	1.40	1.46
22	B	819	CLA	C4D-CHA	2.58	1.47	1.38
25	F	207	BCR	C21-C22	2.58	1.41	1.35
22	Z	204	CLA	C4D-CHA	2.58	1.47	1.38
22	A	824	CLA	C1C-NC	-2.58	1.33	1.37
22	6	308	CLA	C4D-CHA	2.58	1.47	1.38
29	4	314	5X6	C21-C22	2.58	1.41	1.35
22	3	304	CLA	C4C-C3C	2.58	1.49	1.45
22	6	311	CLA	C1C-C2C	2.58	1.49	1.44
22	6	304	CLA	C1B-C2B	2.57	1.49	1.43
22	B	802	CLA	C4C-C3C	2.57	1.49	1.45
22	B	831	CLA	C1C-NC	-2.57	1.33	1.37
22	2	303	CLA	C3B-C2B	2.57	1.49	1.41
29	7	316	5X6	C14-C13	2.57	1.41	1.35
22	A	834	CLA	C4D-CHA	2.57	1.47	1.38
22	B	813	CLA	C3D-C4D	-2.57	1.38	1.44
22	L	203	CLA	C3B-C4B	2.57	1.50	1.42
22	1	307	CLA	C4D-CHA	2.57	1.47	1.38
22	B	829	CLA	OBD-CAD	2.57	1.26	1.22
22	1	306	CLA	C4D-CHA	2.57	1.47	1.38
22	6	313	CLA	C1B-C2B	2.57	1.49	1.43
22	B	819	CLA	C4B-NB	-2.57	1.34	1.37
29	5	312	5X6	C21-C22	2.57	1.41	1.35
25	A	843	BCR	C19-C18	-2.57	1.40	1.46
25	Z	205	BCR	C21-C22	2.56	1.41	1.35
22	A	832	CLA	C1C-NC	-2.56	1.33	1.37
22	A	834	CLA	C3D-C4D	-2.56	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	814	CLA	C1C-C2C	2.56	1.49	1.44
22	6	307	CLA	C4B-NB	-2.56	1.34	1.37
22	A	805	CLA	C1B-C2B	2.56	1.49	1.43
22	B	815	CLA	C3D-C4D	-2.56	1.38	1.44
22	2	305	CLA	C3B-C4B	2.56	1.50	1.42
22	5	302	CLA	C1C-C2C	2.56	1.49	1.44
29	B	851	5X6	C25-C26	2.56	1.41	1.35
22	1	306	CLA	C3B-C2B	2.56	1.49	1.41
22	4	310	CLA	C4D-CHA	2.56	1.47	1.38
22	A	815	CLA	C1B-C2B	2.56	1.49	1.43
22	2	303	CLA	C4D-CHA	2.56	1.47	1.38
29	2	313	5X6	C21-C22	2.56	1.41	1.35
29	6	317	5X6	C21-C22	2.55	1.41	1.35
22	K	101	CLA	C4C-C3C	2.55	1.49	1.45
22	A	834	CLA	C3B-C4B	2.55	1.50	1.42
25	1	301	BCR	C8-C9	-2.55	1.40	1.46
29	2	312	5X6	C14-C13	2.55	1.41	1.35
31	1	315	RRX	C21-C22	2.55	1.41	1.35
22	4	309	CLA	C4D-CHA	2.55	1.47	1.38
22	B	833	CLA	C3D-C4D	-2.55	1.38	1.44
22	6	303	CLA	C4D-CHA	2.55	1.47	1.38
22	A	821	CLA	C3D-C4D	-2.55	1.38	1.44
22	A	829	CLA	C4D-CHA	2.55	1.47	1.38
22	B	830	CLA	C4D-CHA	2.55	1.47	1.38
22	A	822	CLA	C3D-C4D	-2.55	1.38	1.44
29	4	315	5X6	C14-C13	2.55	1.41	1.35
25	4	316	BCR	C19-C18	-2.55	1.40	1.46
25	B	844	BCR	C19-C18	-2.55	1.40	1.46
22	6	311	CLA	C3B-C4B	2.55	1.50	1.42
22	1	307	CLA	C4C-C3C	2.55	1.49	1.45
22	6	313	CLA	C3B-C4B	2.55	1.50	1.42
22	B	828	CLA	C4D-CHA	2.55	1.47	1.38
22	7	309	CLA	C4D-CHA	2.55	1.47	1.38
29	2	314	5X6	C18-C17	2.55	1.41	1.35
22	A	811	CLA	C1B-C2B	2.55	1.49	1.43
22	2	304	CLA	C4C-C3C	2.55	1.49	1.45
22	2	303	CLA	C3B-C4B	2.55	1.50	1.42
22	1	303	CLA	C4D-CHA	2.55	1.47	1.38
22	6	307	CLA	C4C-C3C	2.55	1.49	1.45
22	4	304	CLA	OBD-CAD	2.55	1.26	1.22
22	7	309	CLA	C1C-C2C	2.55	1.49	1.44
22	A	802	CLA	C4D-CHA	2.55	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	2	303	CLA	C4C-C3C	2.55	1.49	1.45
22	6	314	CLA	C4B-NB	-2.54	1.34	1.37
31	4	317	RRX	C21-C22	2.54	1.41	1.35
22	6	311	CLA	C3A-C2A	-2.54	1.52	1.54
22	A	803	CLA	C3D-C4D	-2.54	1.38	1.44
29	6	316	5X6	C18-C17	2.54	1.41	1.35
22	A	828	CLA	C1D-ND	2.54	1.41	1.37
22	5	310	CLA	C3B-C2B	2.54	1.49	1.41
22	B	814	CLA	C4D-CHA	2.54	1.47	1.38
22	O	204	CLA	C1C-C2C	2.54	1.49	1.44
22	A	857	CLA	C1B-C2B	2.54	1.49	1.43
22	B	804	CLA	C1B-C2B	2.54	1.49	1.43
29	1	314	5X6	C21-C22	2.54	1.41	1.35
22	3	302	CLA	C3B-C4B	2.54	1.50	1.42
22	6	314	CLA	C4D-CHA	2.54	1.47	1.38
22	K	102	CLA	C3B-C4B	2.54	1.50	1.42
22	5	310	CLA	C4C-C3C	2.54	1.49	1.45
29	1	312	5X6	C18-C17	2.54	1.41	1.35
29	4	315	5X6	C21-C22	2.54	1.41	1.35
25	L	201	BCR	C12-C13	-2.53	1.40	1.46
22	B	810	CLA	C3B-C4B	2.53	1.50	1.42
25	A	844	BCR	C21-C22	2.53	1.41	1.35
22	A	859	CLA	C4C-C3C	2.53	1.49	1.45
22	4	304	CLA	C4C-C3C	2.53	1.49	1.45
29	6	315	5X6	C18-C17	2.53	1.41	1.35
22	1	304	CLA	C4D-CHA	2.53	1.47	1.38
29	2	314	5X6	C25-C26	2.53	1.41	1.35
25	Z	205	BCR	C23-C22	-2.53	1.40	1.46
22	3	301	CLA	C4D-CHA	2.53	1.47	1.38
22	4	302	CLA	C4D-CHA	2.53	1.47	1.38
29	Z	206	5X6	C18-C17	2.53	1.41	1.35
22	B	825	CLA	C3D-C4D	-2.53	1.38	1.44
22	A	837	CLA	C4D-CHA	2.53	1.47	1.38
22	B	803	CLA	C4D-CHA	2.53	1.47	1.38
22	A	809	CLA	C4B-NB	-2.53	1.34	1.37
29	J	104	5X6	C25-C26	2.53	1.41	1.35
22	B	815	CLA	C1C-NC	-2.53	1.33	1.37
29	2	314	5X6	C21-C22	2.53	1.41	1.35
22	3	302	CLA	C3B-C2B	2.53	1.49	1.41
22	6	309	CLA	C4D-CHA	2.53	1.47	1.38
22	B	802	CLA	CHD-C4C	2.53	1.44	1.39
22	5	302	CLA	C3B-C2B	2.52	1.49	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	831	CLA	C4D-CHA	2.52	1.47	1.38
22	B	837	CLA	C3D-C4D	-2.52	1.38	1.44
22	A	811	CLA	C3D-C4D	-2.52	1.38	1.44
22	A	858	CLA	C1B-C2B	2.52	1.49	1.43
22	A	831	CLA	C1C-C2C	2.52	1.49	1.44
22	3	302	CLA	C4C-C3C	2.52	1.49	1.45
22	4	312	CLA	C4D-CHA	2.52	1.47	1.38
22	B	838	CLA	C3B-C4B	2.52	1.50	1.42
22	1	304	CLA	C4C-C3C	2.52	1.49	1.45
22	A	859	CLA	C3D-C4D	-2.52	1.38	1.44
22	K	101	CLA	C3B-C4B	2.52	1.50	1.42
22	5	310	CLA	C4D-CHA	2.52	1.47	1.38
22	4	302	CLA	C3B-C4B	2.52	1.50	1.42
22	B	830	CLA	C3D-C4D	-2.52	1.38	1.44
22	B	833	CLA	C1C-C2C	2.52	1.49	1.44
29	6	317	5X6	C14-C13	2.51	1.41	1.35
22	5	304	CLA	C4D-CHA	2.51	1.47	1.38
22	7	313	CLA	C1C-C2C	2.51	1.49	1.44
22	B	811	CLA	C4D-CHA	2.51	1.47	1.38
22	A	804	CLA	C1C-NC	-2.51	1.33	1.37
22	L	204	CLA	C1C-NC	-2.51	1.33	1.37
29	1	312	5X6	C21-C22	2.51	1.41	1.35
22	5	301	CLA	C3D-C4D	-2.51	1.38	1.44
22	F	204	CLA	C1C-NC	-2.51	1.33	1.37
29	7	316	5X6	C21-C22	2.51	1.41	1.35
22	A	810	CLA	C1B-C2B	2.51	1.49	1.43
22	B	830	CLA	C1C-NC	-2.51	1.33	1.37
22	O	203	CLA	C1B-C2B	2.51	1.49	1.43
22	K	101	CLA	C4D-CHA	2.51	1.47	1.38
25	K	103	BCR	C21-C22	2.51	1.41	1.35
22	A	814	CLA	C3D-C4D	-2.51	1.38	1.44
22	6	310	CLA	C1B-C2B	2.51	1.49	1.43
22	6	313	CLA	C3B-C2B	2.51	1.49	1.41
22	B	849	CLA	C1B-C2B	2.51	1.49	1.43
22	2	307	CLA	C4C-C3C	2.51	1.49	1.45
22	B	805	CLA	C4D-CHA	2.51	1.47	1.38
22	B	834	CLA	C3B-C4B	2.51	1.50	1.42
22	4	305	CLA	C4D-CHA	2.51	1.47	1.38
22	1	304	CLA	C3B-C2B	2.51	1.49	1.41
22	A	822	CLA	C4D-CHA	2.50	1.47	1.38
22	B	836	CLA	C3D-C4D	-2.50	1.38	1.44
22	F	205	CLA	C3B-C4B	2.50	1.50	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
29	7	318	5X6	C21-C22	2.50	1.41	1.35
25	B	841	BCR	C8-C9	-2.50	1.40	1.46
22	5	304	CLA	C3B-C2B	2.50	1.49	1.41
22	7	310	CLA	C1B-C2B	2.50	1.49	1.43
22	J	102	CLA	C4D-CHA	2.50	1.47	1.38
22	B	814	CLA	C4C-C3C	2.50	1.49	1.45
22	B	824	CLA	C1C-NC	-2.50	1.34	1.37
29	1	316	5X6	C21-C22	2.50	1.41	1.35
22	3	304	CLA	C1C-C2C	2.50	1.49	1.44
25	L	206	BCR	C23-C22	-2.50	1.40	1.46
22	5	308	CLA	C4D-CHA	2.50	1.47	1.38
29	7	318	5X6	C18-C17	2.50	1.41	1.35
22	A	813	CLA	C1C-C2C	2.50	1.49	1.44
22	7	305	CLA	C3D-C4D	-2.50	1.38	1.44
22	2	308	CLA	C4D-CHA	2.50	1.47	1.38
22	A	810	CLA	C4C-C3C	2.50	1.49	1.45
22	4	311	CLA	C4D-CHA	2.49	1.47	1.38
22	5	311	CLA	C1B-C2B	2.49	1.49	1.43
22	7	305	CLA	C1B-C2B	2.49	1.49	1.43
22	7	311	CLA	C1C-C2C	2.49	1.49	1.44
22	A	825	CLA	C4B-NB	-2.49	1.34	1.37
22	6	309	CLA	C1C-C2C	2.49	1.49	1.44
22	B	808	CLA	C3B-C4B	2.49	1.50	1.42
22	6	305	CLA	C4C-C3C	2.49	1.49	1.45
22	5	303	CLA	C4C-C3C	2.49	1.49	1.45
22	4	309	CLA	C4B-NB	-2.49	1.34	1.37
22	7	305	CLA	C3B-C2B	2.49	1.49	1.41
22	B	803	CLA	C1C-NC	-2.49	1.34	1.37
22	5	310	CLA	C3B-C4B	2.49	1.50	1.42
22	K	102	CLA	C1C-NC	-2.49	1.34	1.37
22	5	303	CLA	C3D-C4D	-2.49	1.38	1.44
22	2	309	CLA	C1C-C2C	2.49	1.49	1.44
25	2	301	BCR	C12-C13	-2.49	1.40	1.46
22	6	311	CLA	C3B-C2B	2.49	1.49	1.41
22	6	313	CLA	C1C-C2C	2.49	1.49	1.44
22	B	810	CLA	C3D-C4D	-2.49	1.38	1.44
29	1	313	5X6	C21-C22	2.48	1.41	1.35
22	B	836	CLA	C1C-NC	-2.48	1.34	1.37
22	A	814	CLA	C4D-CHA	2.48	1.46	1.38
22	3	305	CLA	C4D-CHA	2.48	1.46	1.38
22	F	206	CLA	C1C-C2C	2.48	1.49	1.44
29	1	312	5X6	C01-C02	2.48	1.54	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	7	305	CLA	C4C-C3C	2.48	1.49	1.45
22	K	102	CLA	C1B-C2B	2.48	1.48	1.43
22	O	204	CLA	C4C-C3C	2.48	1.49	1.45
22	2	311	CLA	C4C-C3C	2.48	1.49	1.45
29	2	314	5X6	C14-C13	2.48	1.41	1.35
22	3	302	CLA	C1C-C2C	2.48	1.49	1.44
22	B	838	CLA	C4C-C3C	2.48	1.49	1.45
22	7	307	CLA	C1B-C2B	2.48	1.48	1.43
22	1	307	CLA	C3B-C4B	2.48	1.49	1.42
22	2	305	CLA	C4D-CHA	2.48	1.46	1.38
22	7	303	CLA	C3B-C2B	2.48	1.49	1.41
22	6	304	CLA	C4B-NB	-2.47	1.34	1.37
22	7	303	CLA	C3B-C4B	2.47	1.49	1.42
25	K	103	BCR	C17-C18	2.47	1.41	1.35
29	5	314	5X6	C21-C22	2.47	1.41	1.35
22	B	814	CLA	C3B-C2B	2.47	1.49	1.41
25	B	842	BCR	C10-C9	2.47	1.41	1.35
22	A	833	CLA	C1C-C2C	2.47	1.49	1.44
22	7	308	CLA	C3D-C4D	-2.47	1.38	1.44
29	7	315	5X6	C18-C17	2.47	1.41	1.35
25	B	841	BCR	C17-C18	2.47	1.41	1.35
25	L	202	BCR	C10-C9	2.47	1.41	1.35
22	O	206	CLA	C3B-C4B	2.47	1.49	1.42
22	A	806	CLA	C4D-CHA	2.47	1.46	1.38
22	A	858	CLA	C4D-CHA	2.47	1.46	1.38
22	F	204	CLA	C3D-C4D	-2.47	1.38	1.44
22	B	831	CLA	C1B-C2B	2.47	1.48	1.43
22	5	309	CLA	C4D-CHA	2.47	1.46	1.38
22	B	825	CLA	C1B-C2B	2.47	1.48	1.43
22	6	311	CLA	C4C-C3C	2.47	1.49	1.45
22	B	803	CLA	C1D-ND	2.47	1.41	1.37
22	K	102	CLA	C4B-NB	-2.47	1.34	1.37
22	B	839	CLA	C1B-C2B	2.46	1.48	1.43
22	5	307	CLA	C4D-CHA	2.46	1.46	1.38
22	1	307	CLA	C3B-C2B	2.46	1.49	1.41
22	6	314	CLA	C1C-C2C	2.46	1.49	1.44
29	5	314	5X6	C18-C17	2.46	1.41	1.35
25	L	206	BCR	C17-C18	2.46	1.41	1.35
22	A	829	CLA	OBD-CAD	2.46	1.26	1.22
29	4	313	5X6	C21-C22	2.46	1.41	1.35
22	5	306	CLA	C3D-C4D	-2.46	1.38	1.44
22	A	832	CLA	C4D-CHA	2.46	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	1	310	CLA	C1B-C2B	2.46	1.48	1.43
22	B	837	CLA	C4C-C3C	2.46	1.49	1.45
22	5	311	CLA	C3B-C2B	2.45	1.49	1.41
29	5	321	5X6	C25-C26	2.45	1.41	1.35
22	A	832	CLA	OBD-CAD	2.45	1.26	1.22
22	B	822	CLA	C4D-CHA	2.45	1.46	1.38
22	K	101	CLA	C3D-C4D	-2.45	1.38	1.44
22	1	307	CLA	C1C-C2C	2.45	1.49	1.44
22	1	310	CLA	C1C-C2C	2.45	1.49	1.44
22	K	101	CLA	C1B-C2B	2.45	1.48	1.43
22	O	204	CLA	C1B-C2B	2.45	1.48	1.43
22	B	837	CLA	C1B-C2B	2.45	1.48	1.43
22	B	817	CLA	C4B-NB	-2.45	1.34	1.37
22	4	311	CLA	C4B-NB	-2.45	1.34	1.37
22	A	823	CLA	C4D-CHA	2.45	1.46	1.38
22	A	829	CLA	C1C-NC	-2.45	1.34	1.37
22	7	310	CLA	C1C-C2C	2.45	1.49	1.44
22	3	304	CLA	C1B-C2B	2.45	1.48	1.43
22	B	826	CLA	C3D-C4D	-2.45	1.38	1.44
29	B	851	5X6	C01-C02	2.45	1.54	1.50
22	1	308	CLA	C4C-C3C	2.45	1.49	1.45
22	4	308	CLA	C4D-CHA	2.45	1.46	1.38
31	6	318	RRX	C10-C9	2.45	1.41	1.35
25	5	315	BCR	C10-C9	2.45	1.41	1.35
31	6	318	RRX	C14-C13	2.45	1.41	1.35
22	A	830	CLA	C3D-C4D	-2.45	1.38	1.44
22	A	839	CLA	C3B-C4B	2.45	1.49	1.42
22	B	824	CLA	C1B-C2B	2.45	1.48	1.43
22	7	304	CLA	C4D-CHA	2.44	1.46	1.38
22	A	817	CLA	C4D-CHA	2.44	1.46	1.38
22	A	827	CLA	C4D-CHA	2.44	1.46	1.38
29	4	315	5X6	C25-C26	2.44	1.41	1.35
22	L	204	CLA	C1C-C2C	2.44	1.49	1.44
25	L	206	BCR	C21-C22	2.44	1.41	1.35
22	B	817	CLA	C1C-NC	-2.44	1.34	1.37
25	I	102	BCR	C12-C13	-2.44	1.40	1.46
29	1	313	5X6	C14-C13	2.44	1.41	1.35
22	B	816	CLA	C3B-C2B	2.44	1.49	1.41
22	F	204	CLA	C3B-C4B	2.44	1.49	1.42
22	1	305	CLA	C4C-C3C	2.44	1.49	1.45
22	B	814	CLA	C1B-C2B	2.44	1.48	1.43
22	6	311	CLA	C4D-CHA	2.44	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	810	CLA	C3B-C2B	2.44	1.49	1.41
22	O	205	CLA	C1C-C2C	2.44	1.49	1.44
22	4	303	CLA	C3D-C4D	-2.44	1.38	1.44
22	6	306	CLA	C4D-CHA	2.44	1.46	1.38
22	7	305	CLA	C1C-C2C	2.44	1.49	1.44
22	A	805	CLA	C3D-C4D	-2.44	1.38	1.44
22	5	310	CLA	C1B-C2B	2.44	1.48	1.43
22	B	835	CLA	C1C-NC	-2.44	1.34	1.37
22	1	302	CLA	C4C-C3C	2.44	1.49	1.45
25	B	844	BCR	C17-C18	2.44	1.41	1.35
22	6	308	CLA	C4B-NB	-2.44	1.34	1.37
22	A	858	CLA	C3B-C2B	2.44	1.49	1.41
22	A	804	CLA	C3D-C4D	-2.43	1.38	1.44
22	A	833	CLA	C4D-CHA	2.43	1.46	1.38
25	B	843	BCR	C19-C18	-2.43	1.40	1.46
22	A	831	CLA	C3D-C4D	-2.43	1.38	1.44
29	4	314	5X6	C38-C30	2.43	1.54	1.50
22	7	308	CLA	C4B-NB	-2.43	1.34	1.37
22	O	206	CLA	C3B-C2B	2.43	1.49	1.41
22	6	312	CLA	C4D-CHA	2.43	1.46	1.38
22	2	309	CLA	C1B-C2B	2.43	1.48	1.43
22	6	310	CLA	C3D-C4D	-2.43	1.38	1.44
22	7	311	CLA	C1B-C2B	2.43	1.48	1.43
22	A	806	CLA	C3D-C4D	-2.43	1.38	1.44
22	6	310	CLA	C3B-C2B	2.43	1.49	1.41
22	6	313	CLA	C4C-C3C	2.43	1.49	1.45
22	B	823	CLA	C4B-NB	-2.43	1.34	1.37
22	L	205	CLA	C4B-NB	-2.43	1.34	1.37
29	6	316	5X6	C21-C22	2.43	1.41	1.35
22	A	810	CLA	C1C-NC	-2.43	1.34	1.37
22	7	305	CLA	C3B-C4B	2.43	1.49	1.42
22	5	310	CLA	C1C-C2C	2.43	1.49	1.44
22	F	205	CLA	C4D-CHA	2.43	1.46	1.38
22	6	304	CLA	C3B-C2B	2.43	1.49	1.41
22	4	306	CLA	C1B-C2B	2.42	1.48	1.43
29	7	317	5X6	C21-C22	2.42	1.41	1.35
22	6	305	CLA	C4D-CHA	2.42	1.46	1.38
25	K	103	BCR	C8-C9	-2.42	1.40	1.46
22	1	310	CLA	C3B-C2B	2.42	1.49	1.41
25	J	103	BCR	C14-C13	2.42	1.41	1.35
22	1	309	CLA	C1B-C2B	2.42	1.48	1.43
22	A	807	CLA	OBD-CAD	2.42	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	1	302	CLA	C4D-CHA	2.42	1.46	1.38
22	2	310	CLA	C1C-C2C	2.42	1.49	1.44
22	2	304	CLA	C1C-C2C	2.42	1.49	1.44
22	5	306	CLA	C3B-C2B	2.42	1.49	1.41
22	B	802	CLA	C4D-CHA	2.42	1.46	1.38
22	6	306	CLA	C3B-C2B	2.42	1.49	1.41
22	2	302	CLA	C1B-C2B	2.42	1.48	1.43
23	A	840	A1L64	C4-C5	-2.42	1.41	1.48
31	6	318	RRX	C17-C18	2.42	1.41	1.35
22	2	303	CLA	C1C-C2C	2.42	1.49	1.44
22	F	206	CLA	C3B-C4B	2.41	1.49	1.42
22	B	809	CLA	C4D-CHA	2.41	1.46	1.38
22	B	812	CLA	C1C-C2C	2.41	1.49	1.44
22	O	203	CLA	C3B-C2B	2.41	1.49	1.41
22	A	823	CLA	C1C-NC	-2.41	1.34	1.37
22	K	101	CLA	C1C-C2C	2.41	1.49	1.44
22	A	809	CLA	C4D-CHA	2.41	1.46	1.38
29	2	314	5X6	C01-C02	2.41	1.54	1.50
22	2	310	CLA	C1B-C2B	2.41	1.48	1.43
25	Z	202	BCR	C10-C9	2.41	1.41	1.35
22	B	834	CLA	C4D-CHA	2.41	1.46	1.38
22	2	305	CLA	C1C-C2C	2.41	1.49	1.44
22	A	833	CLA	C3D-C4D	-2.41	1.38	1.44
22	A	839	CLA	C1C-C2C	2.41	1.49	1.44
22	A	802	CLA	C1B-C2B	2.41	1.48	1.43
22	6	312	CLA	C4B-NB	-2.41	1.34	1.37
22	B	837	CLA	C4D-CHA	2.41	1.46	1.38
29	5	321	5X6	C21-C22	2.41	1.41	1.35
25	5	315	BCR	C12-C13	-2.41	1.40	1.46
22	A	813	CLA	C4D-CHA	2.41	1.46	1.38
25	4	316	BCR	C10-C9	2.41	1.41	1.35
22	4	311	CLA	C1C-C2C	2.41	1.49	1.44
22	B	820	CLA	C3D-C4D	-2.41	1.38	1.44
22	A	821	CLA	C4D-CHA	2.41	1.46	1.38
22	4	303	CLA	C4D-CHA	2.40	1.46	1.38
22	B	815	CLA	C1B-C2B	2.40	1.48	1.43
22	B	810	CLA	C4D-CHA	2.40	1.46	1.38
22	L	205	CLA	C3D-C4D	-2.40	1.38	1.44
22	7	307	CLA	C1C-C2C	2.40	1.49	1.44
29	7	316	5X6	C25-C26	2.40	1.41	1.35
25	B	841	BCR	C12-C13	-2.40	1.40	1.46
22	B	827	CLA	OBD-CAD	2.40	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	803	CLA	C3D-C4D	-2.40	1.38	1.44
22	5	308	CLA	C3D-C4D	-2.40	1.38	1.44
31	4	317	RRX	C23-C22	-2.40	1.40	1.46
22	2	307	CLA	C1B-C2B	2.40	1.48	1.43
22	B	826	CLA	C1C-NC	-2.40	1.34	1.37
25	K	103	BCR	C23-C22	-2.40	1.40	1.46
22	B	815	CLA	C3B-C2B	2.40	1.49	1.41
29	6	316	5X6	C41-C17	2.40	1.55	1.50
22	5	305	CLA	C1B-C2B	2.40	1.48	1.43
22	B	809	CLA	C1C-NC	-2.40	1.34	1.37
22	B	849	CLA	C1C-NC	-2.40	1.34	1.37
22	B	818	CLA	C3D-C4D	-2.40	1.38	1.44
25	B	841	BCR	C10-C9	2.40	1.41	1.35
22	A	822	CLA	C3B-C4B	2.40	1.49	1.42
29	1	311	5X6	C41-C17	2.40	1.55	1.50
22	Z	201	CLA	C1C-C2C	2.40	1.49	1.44
22	6	310	CLA	C4D-CHA	2.40	1.46	1.38
22	5	309	CLA	C1B-C2B	2.39	1.48	1.43
22	B	807	CLA	C3B-C4B	2.39	1.49	1.42
22	B	835	CLA	C3B-C2B	2.39	1.49	1.41
22	B	813	CLA	C4D-CHA	2.39	1.46	1.38
22	6	305	CLA	C1C-C2C	2.39	1.49	1.44
22	B	803	CLA	C1B-C2B	2.39	1.48	1.43
22	A	815	CLA	C4D-CHA	2.39	1.46	1.38
22	A	831	CLA	C4D-CHA	2.39	1.46	1.38
22	B	817	CLA	C3B-C4B	2.39	1.49	1.42
22	4	304	CLA	C3D-C4D	-2.39	1.38	1.44
25	1	301	BCR	C12-C13	-2.39	1.40	1.46
29	1	313	5X6	C18-C17	2.39	1.41	1.35
22	A	837	CLA	C3D-C4D	-2.39	1.38	1.44
22	5	303	CLA	C3B-C2B	2.39	1.49	1.41
22	1	309	CLA	C1C-C2C	2.39	1.49	1.44
22	L	203	CLA	C3B-C2B	2.39	1.49	1.41
29	Z	206	5X6	C41-C17	2.39	1.55	1.50
22	6	314	CLA	C4C-C3C	2.39	1.49	1.45
22	B	811	CLA	C1B-C2B	2.39	1.48	1.43
22	F	204	CLA	C4D-CHA	2.39	1.46	1.38
29	3	306	5X6	C18-C17	2.39	1.41	1.35
22	6	306	CLA	C3B-C4B	2.39	1.49	1.42
22	1	309	CLA	C4B-NB	-2.39	1.34	1.37
22	B	812	CLA	C3D-C4D	-2.39	1.38	1.44
22	B	821	CLA	C3D-C4D	-2.39	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	820	CLA	C4D-CHA	2.39	1.46	1.38
22	4	312	CLA	C1B-C2B	2.39	1.48	1.43
22	4	302	CLA	C4C-C3C	2.38	1.49	1.45
22	6	305	CLA	C1B-C2B	2.38	1.48	1.43
29	1	313	5X6	C01-C02	2.38	1.54	1.50
22	6	305	CLA	C3B-C2B	2.38	1.49	1.41
22	B	822	CLA	OBD-CAD	2.38	1.26	1.22
22	A	812	CLA	C1B-C2B	2.38	1.48	1.43
21	A	801	CL0	CHA-CBD	-2.38	1.48	1.51
31	5	322	RRX	C12-C13	-2.38	1.40	1.46
25	5	315	BCR	C17-C18	2.38	1.41	1.35
22	A	837	CLA	C1B-C2B	2.38	1.48	1.43
22	L	203	CLA	C1B-C2B	2.38	1.48	1.43
22	4	307	CLA	C3B-C4B	2.38	1.49	1.42
22	A	830	CLA	C3B-C2B	2.38	1.49	1.41
22	3	303	CLA	C1C-C2C	2.38	1.49	1.44
22	5	301	CLA	C1C-C2C	2.38	1.49	1.44
22	Z	201	CLA	C3B-C4B	2.38	1.49	1.42
22	4	312	CLA	C4C-C3C	2.38	1.49	1.45
22	A	825	CLA	C4D-CHA	2.38	1.46	1.38
22	6	308	CLA	C3D-C4D	-2.38	1.38	1.44
22	5	302	CLA	C1B-C2B	2.38	1.48	1.43
22	A	822	CLA	C4C-C3C	2.38	1.49	1.45
22	A	804	CLA	C1B-C2B	2.38	1.48	1.43
22	A	839	CLA	C4D-CHA	2.38	1.46	1.38
29	M	101	5X6	C18-C17	2.37	1.41	1.35
22	6	312	CLA	C1B-C2B	2.37	1.48	1.43
22	A	828	CLA	C4D-CHA	2.37	1.46	1.38
25	L	206	BCR	C14-C13	2.37	1.41	1.35
22	A	804	CLA	C4C-C3C	2.37	1.49	1.45
22	L	203	CLA	C4C-C3C	2.37	1.49	1.45
22	B	826	CLA	C3B-C2B	2.37	1.49	1.41
22	1	306	CLA	C3B-C4B	2.37	1.49	1.42
31	5	322	RRX	C19-C18	-2.37	1.40	1.46
29	1	312	5X6	C25-C26	2.37	1.41	1.35
22	2	302	CLA	C1C-C2C	2.37	1.49	1.44
22	4	309	CLA	C1B-C2B	2.37	1.48	1.43
22	A	834	CLA	C1C-C2C	2.37	1.49	1.44
22	4	306	CLA	C1C-C2C	2.37	1.49	1.44
29	5	321	5X6	C41-C17	2.37	1.55	1.50
22	5	308	CLA	C1B-C2B	2.37	1.48	1.43
22	B	825	CLA	C4D-CHA	2.37	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	6	303	CLA	C1B-C2B	2.37	1.48	1.43
22	6	309	CLA	C4C-C3C	2.37	1.49	1.45
25	F	201	BCR	C10-C9	2.37	1.41	1.35
22	5	305	CLA	C1C-C2C	2.37	1.49	1.44
22	7	312	CLA	C4C-C3C	2.37	1.49	1.45
22	2	306	CLA	C1B-C2B	2.36	1.48	1.43
22	B	818	CLA	C4C-C3C	2.36	1.49	1.45
22	3	302	CLA	C3D-C4D	-2.36	1.38	1.44
22	4	310	CLA	C3D-C4D	-2.36	1.38	1.44
22	A	827	CLA	C3D-C4D	-2.36	1.38	1.44
22	4	308	CLA	C3D-C4D	-2.36	1.38	1.44
22	A	820	CLA	C3B-C2B	2.36	1.49	1.41
29	Z	206	5X6	C25-C26	2.36	1.41	1.35
22	A	826	CLA	C4D-CHA	2.36	1.46	1.38
22	4	304	CLA	C1B-C2B	2.36	1.48	1.43
22	7	304	CLA	C3D-C4D	-2.36	1.38	1.44
22	A	848	CLA	C4D-CHA	2.36	1.46	1.38
22	2	303	CLA	C3D-C4D	-2.36	1.38	1.44
22	2	304	CLA	C3D-C4D	-2.36	1.38	1.44
22	7	303	CLA	C3D-C4D	-2.36	1.38	1.44
22	7	306	CLA	C3D-C4D	-2.36	1.38	1.44
25	A	843	BCR	C21-C22	2.36	1.41	1.35
22	A	814	CLA	C3B-C4B	2.36	1.49	1.42
22	O	205	CLA	C4B-NB	-2.36	1.34	1.37
29	O	207	5X6	C18-C17	2.36	1.41	1.35
29	O	207	5X6	C14-C13	2.36	1.41	1.35
22	6	308	CLA	C4C-C3C	2.36	1.49	1.45
22	1	303	CLA	C4B-NB	-2.36	1.34	1.37
22	A	835	CLA	C4D-CHA	2.36	1.46	1.38
22	B	817	CLA	C4D-CHA	2.36	1.46	1.38
29	5	314	5X6	C25-C26	2.36	1.41	1.35
22	5	308	CLA	C1C-C2C	2.35	1.49	1.44
22	F	204	CLA	C1D-ND	2.35	1.41	1.37
22	B	801	CLA	C3D-C4D	-2.35	1.38	1.44
22	2	305	CLA	C3D-C4D	-2.35	1.38	1.44
22	4	312	CLA	C1C-C2C	2.35	1.49	1.44
22	4	309	CLA	C1C-C2C	2.35	1.49	1.44
22	7	313	CLA	C1B-C2B	2.35	1.48	1.43
22	A	808	CLA	C1C-NC	-2.35	1.34	1.37
29	6	316	5X6	C38-C30	2.35	1.54	1.50
25	A	862	BCR	C10-C9	2.35	1.41	1.35
22	B	822	CLA	C1B-C2B	2.35	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	837	CLA	C4B-NB	-2.35	1.34	1.37
22	J	102	CLA	C4B-NB	-2.35	1.34	1.37
29	1	312	5X6	C14-C13	2.35	1.41	1.35
22	K	102	CLA	C3D-C4D	-2.35	1.38	1.44
22	B	805	CLA	C3B-C2B	2.35	1.49	1.41
22	A	834	CLA	C4C-C3C	2.35	1.49	1.45
22	5	301	CLA	C4B-NB	-2.35	1.34	1.37
22	A	802	CLA	C3B-C4B	2.35	1.49	1.42
22	B	823	CLA	C4D-CHA	2.35	1.46	1.38
22	6	304	CLA	C4D-CHA	2.35	1.46	1.38
22	B	850	CLA	C1C-C2C	2.35	1.49	1.44
22	B	850	CLA	C3B-C2B	2.35	1.49	1.41
22	2	306	CLA	C1C-C2C	2.35	1.49	1.44
29	1	313	5X6	C41-C17	2.35	1.55	1.50
29	6	317	5X6	C41-C17	2.34	1.55	1.50
22	A	808	CLA	C4D-CHA	2.34	1.46	1.38
25	2	301	BCR	C23-C22	-2.34	1.40	1.46
22	A	837	CLA	C3B-C4B	2.34	1.49	1.42
22	7	312	CLA	C1B-C2B	2.34	1.48	1.43
22	7	309	CLA	C3D-C4D	-2.34	1.38	1.44
22	A	809	CLA	C3D-C4D	-2.34	1.38	1.44
22	B	827	CLA	C3D-C4D	-2.34	1.38	1.44
22	O	205	CLA	C4D-CHA	2.34	1.46	1.38
22	A	828	CLA	C1B-C2B	2.34	1.48	1.43
22	1	308	CLA	C1C-C2C	2.34	1.49	1.44
29	1	316	5X6	C41-C17	2.34	1.55	1.50
22	3	305	CLA	C4C-C3C	2.34	1.49	1.45
25	2	301	BCR	C21-C22	2.34	1.41	1.35
25	F	207	BCR	C17-C18	2.34	1.41	1.35
25	1	301	BCR	C21-C22	2.34	1.41	1.35
22	6	304	CLA	C3B-C4B	2.34	1.49	1.42
29	5	314	5X6	C14-C13	2.33	1.41	1.35
22	A	812	CLA	C4D-CHA	2.33	1.46	1.38
22	B	816	CLA	C3D-C4D	-2.33	1.38	1.44
22	B	837	CLA	C1C-NC	-2.33	1.34	1.37
22	5	302	CLA	C3D-C4D	-2.33	1.38	1.44
22	L	203	CLA	C4B-NB	-2.33	1.34	1.37
22	A	818	CLA	C4D-CHA	2.33	1.46	1.38
22	B	823	CLA	C3D-C4D	-2.33	1.38	1.44
22	B	838	CLA	C4D-CHA	2.33	1.46	1.38
29	O	207	5X6	C41-C17	2.33	1.55	1.50
22	4	311	CLA	C3D-C4D	-2.33	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	4	317	RRX	C17-C18	2.33	1.41	1.35
22	3	301	CLA	C1B-C2B	2.33	1.48	1.43
22	B	829	CLA	C1B-C2B	2.33	1.48	1.43
22	7	311	CLA	C3B-C2B	2.33	1.49	1.41
25	B	844	BCR	C10-C9	2.33	1.41	1.35
22	1	305	CLA	C1C-C2C	2.33	1.49	1.44
31	6	318	RRX	C21-C22	2.33	1.41	1.35
22	B	801	CLA	C4D-CHA	2.32	1.46	1.38
22	Z	204	CLA	O2A-C1	-2.32	1.39	1.46
22	B	812	CLA	C4B-NB	-2.32	1.34	1.37
31	4	317	RRX	C10-C9	2.32	1.41	1.35
29	M	101	5X6	C21-C22	2.32	1.41	1.35
22	A	806	CLA	C1B-C2B	2.32	1.48	1.43
22	Z	201	CLA	C4D-CHA	2.32	1.46	1.38
22	7	307	CLA	C3B-C2B	2.32	1.49	1.41
22	A	858	CLA	C1C-C2C	2.32	1.49	1.44
22	A	857	CLA	C4D-CHA	2.32	1.46	1.38
22	3	303	CLA	C1B-C2B	2.32	1.48	1.43
22	5	303	CLA	C1C-C2C	2.32	1.49	1.44
22	5	311	CLA	C3D-C4D	-2.32	1.39	1.44
22	B	836	CLA	C1C-C2C	2.32	1.49	1.44
31	1	315	RRX	C14-C13	2.32	1.41	1.35
22	A	830	CLA	C4D-CHA	2.32	1.46	1.38
22	6	313	CLA	C3D-C4D	-2.32	1.39	1.44
31	1	315	RRX	C10-C9	2.32	1.41	1.35
22	A	829	CLA	C3D-C4D	-2.32	1.39	1.44
22	2	309	CLA	C3B-C2B	2.32	1.49	1.41
22	A	816	CLA	C1B-C2B	2.32	1.48	1.43
22	4	305	CLA	C3D-C4D	-2.32	1.39	1.44
22	5	308	CLA	C4B-NB	-2.32	1.34	1.37
25	5	315	BCR	C14-C13	2.32	1.41	1.35
22	A	820	CLA	C1B-C2B	2.32	1.48	1.43
29	O	207	5X6	C25-C26	2.32	1.41	1.35
22	3	301	CLA	C4C-C3C	2.32	1.49	1.45
22	4	305	CLA	C3B-C2B	2.32	1.49	1.41
22	6	307	CLA	C3B-C2B	2.31	1.49	1.41
22	7	310	CLA	C3B-C2B	2.31	1.49	1.41
22	1	303	CLA	C1C-C2C	2.31	1.49	1.44
22	5	301	CLA	C1C-NC	-2.31	1.34	1.37
22	B	827	CLA	C3B-C2B	2.31	1.49	1.41
29	1	314	5X6	C41-C17	2.31	1.55	1.50
25	A	862	BCR	C16-C17	-2.31	1.36	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	827	CLA	C1B-C2B	2.31	1.48	1.43
22	B	835	CLA	C4D-CHA	2.31	1.46	1.38
22	O	206	CLA	C3D-C4D	-2.31	1.39	1.44
22	4	307	CLA	C4C-C3C	2.31	1.49	1.45
22	A	825	CLA	C1C-C2C	2.31	1.49	1.44
22	A	813	CLA	C1C-NC	-2.31	1.34	1.37
22	B	819	CLA	C1C-NC	-2.31	1.34	1.37
22	A	827	CLA	OBD-CAD	2.31	1.26	1.22
22	A	826	CLA	C3D-C4D	-2.31	1.39	1.44
22	2	304	CLA	C4B-NB	-2.31	1.34	1.37
22	A	839	CLA	C1B-C2B	2.31	1.48	1.43
23	B	840	A1L64	C6-C1	2.31	1.39	1.35
29	6	317	5X6	C38-C30	2.31	1.54	1.50
25	4	316	BCR	C12-C13	-2.31	1.41	1.46
22	1	310	CLA	C4C-C3C	2.31	1.49	1.45
22	A	813	CLA	C3B-C2B	2.31	1.48	1.41
22	B	817	CLA	C3D-C4D	-2.31	1.39	1.44
22	B	817	CLA	C1C-C2C	2.31	1.49	1.44
22	O	205	CLA	C1B-C2B	2.31	1.48	1.43
22	O	204	CLA	C3B-C2B	2.31	1.48	1.41
22	5	301	CLA	C4C-C3C	2.31	1.49	1.45
22	5	301	CLA	C1B-C2B	2.31	1.48	1.43
22	A	815	CLA	C3D-C4D	-2.31	1.39	1.44
25	J	103	BCR	C8-C9	-2.31	1.41	1.46
22	4	307	CLA	C3D-C4D	-2.30	1.39	1.44
22	5	310	CLA	C3D-C4D	-2.30	1.39	1.44
22	4	311	CLA	C1B-C2B	2.30	1.48	1.43
31	4	317	RRX	C19-C18	-2.30	1.41	1.46
25	Z	205	BCR	C14-C13	2.30	1.41	1.35
22	A	831	CLA	C1C-NC	-2.30	1.34	1.37
22	B	827	CLA	C4D-CHA	2.30	1.46	1.38
22	4	312	CLA	C3D-C4D	-2.30	1.39	1.44
22	5	307	CLA	C3B-C4B	2.30	1.49	1.42
22	A	823	CLA	C3B-C2B	2.30	1.48	1.41
22	J	102	CLA	C3D-C4D	-2.30	1.39	1.44
22	A	803	CLA	C4D-CHA	2.30	1.46	1.38
22	3	301	CLA	C3D-C4D	-2.30	1.39	1.44
22	B	805	CLA	C1B-C2B	2.30	1.48	1.43
31	6	318	RRX	C19-C18	-2.30	1.41	1.46
29	6	315	5X6	C14-C13	2.30	1.41	1.35
22	B	839	CLA	C3D-C4D	-2.30	1.39	1.44
22	A	839	CLA	C3D-C4D	-2.30	1.39	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	802	CLA	C1B-C2B	2.30	1.48	1.43
22	Z	204	CLA	C3B-C2B	2.30	1.48	1.41
22	A	811	CLA	C1C-C2C	2.30	1.49	1.44
22	6	303	CLA	C3D-C4D	-2.29	1.39	1.44
22	L	203	CLA	C1C-C2C	2.29	1.49	1.44
22	A	832	CLA	C3D-C4D	-2.29	1.39	1.44
22	B	818	CLA	C3B-C2B	2.29	1.48	1.41
25	5	315	BCR	C21-C22	2.29	1.41	1.35
22	6	307	CLA	C1B-C2B	2.29	1.48	1.43
22	B	836	CLA	C4D-CHA	2.29	1.46	1.38
25	L	202	BCR	C19-C18	-2.29	1.41	1.46
22	O	205	CLA	C3D-C4D	-2.29	1.39	1.44
25	A	861	BCR	C10-C9	2.29	1.41	1.35
22	A	816	CLA	C4B-NB	-2.29	1.34	1.37
29	7	318	5X6	C41-C17	2.29	1.55	1.50
22	A	827	CLA	C1B-C2B	2.29	1.48	1.43
22	B	825	CLA	C3B-C4B	2.29	1.49	1.42
22	1	309	CLA	C3D-C4D	-2.29	1.39	1.44
22	1	302	CLA	C1C-C2C	2.29	1.49	1.44
22	4	302	CLA	C3D-C4D	-2.29	1.39	1.44
22	2	302	CLA	C3B-C2B	2.29	1.48	1.41
22	A	836	CLA	C3D-C4D	-2.29	1.39	1.44
22	A	835	CLA	C1B-C2B	2.29	1.48	1.43
22	B	807	CLA	C1C-C2C	2.29	1.49	1.44
22	5	307	CLA	C3B-C2B	2.29	1.48	1.41
22	B	816	CLA	C1C-C2C	2.29	1.49	1.44
22	A	810	CLA	C3D-C4D	-2.29	1.39	1.44
22	7	306	CLA	C4D-CHA	2.29	1.46	1.38
22	1	302	CLA	C4B-NB	-2.29	1.34	1.37
29	J	104	5X6	C21-C22	2.29	1.41	1.35
22	A	808	CLA	C3B-C4B	2.29	1.49	1.42
22	5	304	CLA	C3B-C4B	2.29	1.49	1.42
25	A	845	BCR	C17-C18	2.28	1.41	1.35
29	J	104	5X6	C41-C17	2.28	1.55	1.50
22	O	204	CLA	C3A-C2A	-2.28	1.52	1.54
22	B	849	CLA	C4D-CHA	2.28	1.46	1.38
22	F	206	CLA	C3D-C4D	-2.28	1.39	1.44
22	2	308	CLA	C4C-C3C	2.28	1.48	1.45
22	A	811	CLA	C4D-CHA	2.28	1.46	1.38
22	B	823	CLA	C1C-C2C	2.28	1.49	1.44
22	2	306	CLA	C3D-C4D	-2.28	1.39	1.44
22	4	306	CLA	C4B-NB	-2.28	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	O	205	CLA	C3B-C2B	2.28	1.48	1.41
29	6	315	5X6	C41-C17	2.28	1.55	1.50
22	3	304	CLA	C3D-C4D	-2.28	1.39	1.44
22	2	306	CLA	C3B-C2B	2.28	1.48	1.41
22	B	839	CLA	C1C-C2C	2.28	1.49	1.44
22	B	806	CLA	C1C-C2C	2.28	1.49	1.44
25	J	103	BCR	C29-C28	-2.28	1.47	1.52
25	A	862	BCR	C12-C13	-2.28	1.41	1.46
22	1	309	CLA	C3B-C2B	2.28	1.48	1.41
22	4	306	CLA	C3B-C2B	2.28	1.48	1.41
22	L	204	CLA	C3B-C4B	2.28	1.49	1.42
22	A	821	CLA	C1C-C2C	2.28	1.49	1.44
22	A	833	CLA	C3B-C4B	2.28	1.49	1.42
22	7	307	CLA	C3D-C4D	-2.27	1.39	1.44
22	5	302	CLA	C4D-CHA	2.27	1.46	1.38
25	Z	205	BCR	C17-C18	2.27	1.41	1.35
22	B	809	CLA	C1B-C2B	2.27	1.48	1.43
22	A	807	CLA	C3B-C4B	2.27	1.49	1.42
22	B	820	CLA	C1C-NC	-2.27	1.34	1.37
22	F	205	CLA	C1B-C2B	2.27	1.48	1.43
29	B	851	5X6	C14-C13	2.27	1.41	1.35
22	1	308	CLA	C3D-C4D	-2.27	1.39	1.44
25	F	207	BCR	C19-C18	-2.27	1.41	1.46
22	A	814	CLA	C4B-NB	-2.27	1.34	1.37
22	B	831	CLA	C3B-C2B	2.27	1.48	1.41
22	1	303	CLA	C4C-C3C	2.27	1.48	1.45
22	2	310	CLA	C3B-C2B	2.27	1.48	1.41
22	6	312	CLA	C4C-C3C	2.27	1.48	1.45
22	B	808	CLA	C1B-C2B	2.27	1.48	1.43
22	2	311	CLA	C1B-C2B	2.27	1.48	1.43
22	5	305	CLA	C4B-NB	-2.27	1.34	1.37
31	5	322	RRX	C10-C9	2.27	1.41	1.35
22	B	833	CLA	C4D-CHA	2.27	1.46	1.38
22	2	311	CLA	C3D-C4D	-2.27	1.39	1.44
22	5	308	CLA	C3B-C2B	2.27	1.48	1.41
22	7	313	CLA	C3B-C2B	2.27	1.48	1.41
22	5	305	CLA	C3B-C2B	2.27	1.48	1.41
22	A	828	CLA	C3D-C4D	-2.27	1.39	1.44
22	5	304	CLA	C3D-C4D	-2.27	1.39	1.44
22	5	304	CLA	C4C-C3C	2.27	1.48	1.45
22	7	307	CLA	C4B-NB	-2.27	1.34	1.37
22	5	306	CLA	C4C-C3C	2.27	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	6	305	CLA	C3D-C4D	-2.26	1.39	1.44
22	7	303	CLA	C1C-C2C	2.26	1.49	1.44
22	6	307	CLA	C3D-C4D	-2.26	1.39	1.44
22	B	807	CLA	C4D-CHA	2.26	1.46	1.38
25	J	103	BCR	C23-C22	-2.26	1.41	1.46
22	A	859	CLA	C1C-NC	-2.26	1.34	1.37
22	B	835	CLA	C3D-C4D	-2.26	1.39	1.44
22	1	306	CLA	C4C-C3C	2.26	1.48	1.45
22	1	307	CLA	C3D-C4D	-2.26	1.39	1.44
22	1	305	CLA	C3D-C4D	-2.26	1.39	1.44
22	4	305	CLA	C3B-C4B	2.26	1.49	1.42
22	A	807	CLA	C3D-C4D	-2.26	1.39	1.44
22	F	205	CLA	C3D-C4D	-2.26	1.39	1.44
22	A	820	CLA	C3D-C4D	-2.26	1.39	1.44
22	B	850	CLA	C4B-NB	-2.26	1.34	1.37
25	A	862	BCR	C21-C22	2.26	1.41	1.35
22	A	826	CLA	OBD-CAD	2.26	1.26	1.22
22	2	304	CLA	C1D-C2D	2.26	1.49	1.45
29	6	315	5X6	C01-C02	2.26	1.54	1.50
22	B	823	CLA	C1B-C2B	2.26	1.48	1.43
22	B	835	CLA	C1B-C2B	2.26	1.48	1.43
22	3	305	CLA	C3D-C4D	-2.26	1.39	1.44
22	B	808	CLA	C4D-CHA	2.26	1.46	1.38
22	B	834	CLA	C3D-C4D	-2.26	1.39	1.44
25	L	201	BCR	C14-C13	2.26	1.41	1.35
22	B	850	CLA	C4C-C3C	2.25	1.48	1.45
22	L	203	CLA	C3D-C4D	-2.25	1.39	1.44
22	5	305	CLA	C3D-C4D	-2.25	1.39	1.44
22	B	839	CLA	C3B-C4B	2.25	1.49	1.42
22	1	305	CLA	C1B-C2B	2.25	1.48	1.43
29	Z	206	5X6	C38-C30	2.25	1.54	1.50
22	6	303	CLA	C4C-C3C	2.25	1.48	1.45
29	7	317	5X6	C25-C26	2.25	1.41	1.35
22	A	813	CLA	C4C-C3C	2.25	1.48	1.45
22	4	309	CLA	C3D-C4D	-2.25	1.39	1.44
31	5	322	RRX	C14-C13	2.25	1.41	1.35
22	A	810	CLA	C3B-C4B	2.25	1.49	1.42
22	A	819	CLA	C4C-C3C	2.25	1.48	1.45
22	6	314	CLA	C3D-C4D	-2.25	1.39	1.44
22	A	807	CLA	C3B-C2B	2.25	1.48	1.41
22	6	303	CLA	C1C-C2C	2.25	1.49	1.44
29	7	318	5X6	C01-C02	2.25	1.54	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	831	CLA	C3D-C4D	-2.25	1.39	1.44
29	J	104	5X6	C18-C17	2.25	1.41	1.35
22	B	806	CLA	C3D-C4D	-2.25	1.39	1.44
22	O	204	CLA	C3D-C4D	-2.24	1.39	1.44
22	2	309	CLA	C3D-C4D	-2.24	1.39	1.44
22	B	808	CLA	C4C-C3C	2.24	1.48	1.45
22	3	303	CLA	C3D-C4D	-2.24	1.39	1.44
22	6	306	CLA	C3D-C4D	-2.24	1.39	1.44
22	B	816	CLA	C1C-NC	-2.24	1.34	1.37
22	2	310	CLA	C3D-C4D	-2.24	1.39	1.44
25	B	842	BCR	C19-C18	-2.24	1.41	1.46
22	B	813	CLA	C4C-C3C	2.24	1.48	1.45
22	B	832	CLA	C1C-C2C	2.24	1.49	1.44
22	B	824	CLA	C3B-C4B	2.24	1.49	1.42
29	6	317	5X6	C18-C17	2.24	1.41	1.35
22	B	850	CLA	C3D-C4D	-2.24	1.39	1.44
25	J	103	BCR	C17-C18	2.24	1.41	1.35
22	6	307	CLA	C1C-NC	-2.24	1.34	1.37
22	7	310	CLA	C4B-NB	-2.24	1.34	1.37
29	5	313	5X6	C41-C17	2.24	1.55	1.50
22	2	306	CLA	C4B-NB	-2.24	1.34	1.37
22	1	305	CLA	C3B-C2B	2.23	1.48	1.41
22	A	817	CLA	C1B-C2B	2.23	1.48	1.43
22	5	307	CLA	C3D-C4D	-2.23	1.39	1.44
25	A	844	BCR	C10-C9	2.23	1.41	1.35
25	I	102	BCR	C10-C9	2.23	1.41	1.35
22	A	810	CLA	C1C-C2C	2.23	1.49	1.44
22	2	304	CLA	C3B-C2B	2.23	1.48	1.41
22	B	807	CLA	C1C-NC	-2.23	1.34	1.37
22	7	312	CLA	C3B-C2B	2.23	1.48	1.41
22	4	310	CLA	C1B-C2B	2.23	1.48	1.43
22	1	305	CLA	C4B-NB	-2.23	1.34	1.37
22	3	301	CLA	C3B-C2B	2.23	1.48	1.41
22	6	303	CLA	C3B-C2B	2.23	1.48	1.41
22	4	304	CLA	C1C-C2C	2.23	1.49	1.44
22	B	832	CLA	C3B-C2B	2.23	1.48	1.41
22	4	312	CLA	C4B-NB	-2.23	1.34	1.37
22	A	819	CLA	C1C-NC	-2.23	1.34	1.37
22	B	836	CLA	C3B-C2B	2.23	1.48	1.41
22	B	811	CLA	C1C-NC	-2.23	1.34	1.37
29	2	313	5X6	C38-C30	2.23	1.54	1.50
29	M	101	5X6	C14-C13	2.23	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	826	CLA	C4D-CHA	2.23	1.46	1.38
22	5	308	CLA	C4C-C3C	2.23	1.48	1.45
22	4	304	CLA	C3B-C4B	2.23	1.49	1.42
22	A	830	CLA	C3B-C4B	2.23	1.49	1.42
22	6	303	CLA	C4B-NB	-2.23	1.34	1.37
25	B	841	BCR	C19-C18	-2.23	1.41	1.46
29	O	208	5X6	C41-C17	2.23	1.55	1.50
22	A	830	CLA	C4C-C3C	2.23	1.48	1.45
22	A	826	CLA	C1B-C2B	2.22	1.48	1.43
22	A	829	CLA	C3B-C4B	2.22	1.49	1.42
29	J	104	5X6	C38-C30	2.22	1.54	1.50
22	4	304	CLA	C3B-C2B	2.22	1.48	1.41
22	6	314	CLA	C1B-C2B	2.22	1.48	1.43
25	A	846	BCR	C21-C22	2.22	1.40	1.35
25	B	842	BCR	C21-C22	2.22	1.40	1.35
29	O	207	5X6	C21-C22	2.22	1.40	1.35
22	3	304	CLA	C3B-C2B	2.22	1.48	1.41
22	5	304	CLA	C1C-C2C	2.22	1.49	1.44
22	1	302	CLA	C1B-C2B	2.22	1.48	1.43
22	4	306	CLA	C3D-C4D	-2.22	1.39	1.44
22	B	833	CLA	C4C-C3C	2.22	1.48	1.45
22	5	311	CLA	C4C-C3C	2.22	1.48	1.45
22	A	858	CLA	C1C-NC	-2.22	1.34	1.37
22	B	829	CLA	C1C-NC	-2.22	1.34	1.37
25	5	315	BCR	C19-C18	-2.22	1.41	1.46
22	B	838	CLA	CHD-C1D	2.22	1.42	1.38
22	5	302	CLA	C3B-C4B	2.22	1.49	1.42
22	5	303	CLA	C3B-C4B	2.22	1.49	1.42
25	B	841	BCR	C21-C22	2.22	1.40	1.35
22	6	312	CLA	C1C-NC	-2.22	1.34	1.37
22	B	805	CLA	C1C-C2C	2.22	1.49	1.44
22	1	310	CLA	C3D-C4D	-2.22	1.39	1.44
22	3	303	CLA	C3B-C2B	2.22	1.48	1.41
29	4	315	5X6	C41-C17	2.22	1.55	1.50
22	A	836	CLA	C3B-C2B	2.22	1.48	1.41
25	L	202	BCR	C14-C13	2.22	1.40	1.35
31	1	315	RRX	C12-C13	-2.21	1.41	1.46
25	2	301	BCR	C10-C9	2.21	1.40	1.35
22	L	205	CLA	C4C-C3C	2.21	1.48	1.45
22	A	838	CLA	C4D-CHA	2.21	1.46	1.38
22	A	816	CLA	C1C-NC	-2.21	1.34	1.37
22	7	309	CLA	C4C-C3C	2.21	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
31	4	317	RRX	C12-C13	-2.21	1.41	1.46
29	2	312	5X6	C41-C17	2.21	1.55	1.50
22	A	808	CLA	C3D-C4D	-2.21	1.39	1.44
31	4	317	RRX	C14-C13	2.21	1.40	1.35
22	1	308	CLA	C3B-C2B	2.21	1.48	1.41
22	4	307	CLA	C1C-C2C	2.21	1.49	1.44
29	1	316	5X6	C24-C23	2.21	1.40	1.34
22	A	816	CLA	C4D-CHA	2.21	1.46	1.38
22	2	304	CLA	C1B-C2B	2.21	1.48	1.43
22	B	808	CLA	C4B-NB	-2.21	1.35	1.37
22	7	306	CLA	C1B-C2B	2.21	1.48	1.43
22	1	303	CLA	C1B-C2B	2.21	1.48	1.43
22	A	859	CLA	C1C-C2C	2.21	1.49	1.44
22	5	309	CLA	C1C-C2C	2.21	1.49	1.44
22	A	834	CLA	C4B-NB	-2.21	1.35	1.37
22	A	818	CLA	C3B-C2B	2.21	1.48	1.41
22	A	857	CLA	C1C-NC	-2.21	1.34	1.37
29	5	313	5X6	C38-C30	2.20	1.54	1.50
25	B	841	BCR	C14-C13	2.20	1.40	1.35
29	7	316	5X6	C41-C17	2.20	1.55	1.50
22	A	823	CLA	C3D-C4D	-2.20	1.39	1.44
22	7	312	CLA	C3D-C4D	-2.20	1.39	1.44
22	5	307	CLA	C1C-C2C	2.20	1.49	1.44
22	Z	204	CLA	C1C-C2C	2.20	1.49	1.44
22	B	836	CLA	OBD-CAD	2.20	1.26	1.22
25	J	103	BCR	C12-C13	-2.20	1.41	1.46
22	A	805	CLA	C4D-CHA	2.20	1.46	1.38
22	1	310	CLA	C4D-CHA	2.20	1.46	1.38
22	A	832	CLA	C3B-C4B	2.20	1.49	1.42
22	1	308	CLA	C4B-NB	-2.20	1.35	1.37
22	B	839	CLA	C3B-C2B	2.20	1.48	1.41
22	6	305	CLA	C3B-C4B	2.20	1.49	1.42
22	B	829	CLA	C3B-C2B	2.20	1.48	1.41
29	1	313	5X6	C25-C26	2.20	1.40	1.35
22	A	821	CLA	C3B-C2B	2.19	1.48	1.41
25	1	301	BCR	C10-C9	2.19	1.40	1.35
22	A	812	CLA	C3B-C2B	2.19	1.48	1.41
22	4	311	CLA	C4C-C3C	2.19	1.48	1.45
22	J	102	CLA	C3B-C2B	2.19	1.48	1.41
25	L	201	BCR	C10-C9	2.19	1.40	1.35
22	B	804	CLA	C1C-NC	-2.19	1.34	1.37
22	B	804	CLA	C1C-C2C	2.19	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	L	206	BCR	C19-C18	-2.19	1.41	1.46
22	7	304	CLA	C4B-NB	-2.19	1.35	1.37
22	A	816	CLA	C1C-C2C	2.19	1.49	1.44
29	2	314	5X6	C41-C17	2.19	1.55	1.50
22	B	809	CLA	C4C-C3C	2.19	1.48	1.45
22	1	304	CLA	C1C-C2C	2.19	1.49	1.44
22	5	310	CLA	C1C-NC	-2.19	1.34	1.37
25	I	102	BCR	C14-C13	2.19	1.40	1.35
29	1	313	5X6	C38-C30	2.18	1.54	1.50
22	B	838	CLA	C3D-C4D	-2.18	1.39	1.44
22	2	308	CLA	C1B-C2B	2.18	1.48	1.43
22	4	305	CLA	C1C-C2C	2.18	1.49	1.44
22	A	835	CLA	C1C-C2C	2.18	1.48	1.44
22	6	312	CLA	C3D-C4D	-2.18	1.39	1.44
25	Z	202	BCR	C14-C13	2.18	1.40	1.35
29	5	314	5X6	C41-C17	2.18	1.55	1.50
22	O	203	CLA	C1C-NC	-2.18	1.34	1.37
22	L	204	CLA	C3D-C4D	-2.18	1.39	1.44
22	A	814	CLA	C1C-C2C	2.18	1.48	1.44
22	6	304	CLA	C3D-C4D	-2.18	1.39	1.44
22	A	833	CLA	C4C-C3C	2.18	1.48	1.45
22	7	313	CLA	C3D-C4D	-2.18	1.39	1.44
22	B	802	CLA	C3B-C2B	2.18	1.48	1.41
29	4	315	5X6	C01-C02	2.18	1.54	1.50
22	2	307	CLA	C3B-C2B	2.17	1.48	1.41
22	2	302	CLA	C3D-C4D	-2.17	1.39	1.44
22	7	311	CLA	C3D-C4D	-2.17	1.39	1.44
22	5	309	CLA	C4B-NB	-2.17	1.35	1.37
22	B	832	CLA	C3D-C4D	-2.17	1.39	1.44
22	L	205	CLA	C1B-C2B	2.17	1.48	1.43
22	3	305	CLA	C3B-C2B	2.17	1.48	1.41
22	B	813	CLA	C1C-C2C	2.17	1.48	1.44
25	4	316	BCR	C17-C18	2.17	1.40	1.35
31	5	322	RRX	C21-C22	2.17	1.40	1.35
22	A	809	CLA	C1C-NC	-2.17	1.34	1.37
25	A	846	BCR	C8-C9	-2.17	1.41	1.46
22	A	802	CLA	C4C-C3C	2.17	1.48	1.45
22	A	835	CLA	C3D-C4D	-2.17	1.39	1.44
22	F	206	CLA	C4B-NB	-2.17	1.35	1.37
22	A	802	CLA	C1C-C2C	2.17	1.48	1.44
22	B	821	CLA	C4C-C3C	2.17	1.48	1.45
22	1	303	CLA	C3D-C4D	-2.17	1.39	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	4	309	CLA	C4C-C3C	2.17	1.48	1.45
22	A	838	CLA	C3B-C4B	2.17	1.49	1.42
22	5	306	CLA	C3B-C4B	2.17	1.49	1.42
25	A	843	BCR	C14-C13	2.16	1.40	1.35
22	7	304	CLA	C3B-C2B	2.16	1.48	1.41
25	B	843	BCR	C10-C9	2.16	1.40	1.35
22	B	805	CLA	C3D-C4D	-2.16	1.39	1.44
22	B	811	CLA	C3D-C4D	-2.16	1.39	1.44
22	B	804	CLA	C3B-C4B	2.16	1.49	1.42
25	Z	205	BCR	C19-C18	-2.16	1.41	1.46
22	5	309	CLA	C3D-C4D	-2.16	1.39	1.44
22	A	817	CLA	C1C-C2C	2.16	1.48	1.44
22	A	810	CLA	C4D-CHA	2.16	1.45	1.38
22	O	206	CLA	C1C-C2C	2.16	1.48	1.44
22	L	204	CLA	C3B-C2B	2.16	1.48	1.41
22	1	306	CLA	C1C-C2C	2.16	1.48	1.44
22	B	816	CLA	C1B-C2B	2.16	1.48	1.43
22	A	804	CLA	MG-ND	-2.16	2.01	2.05
22	B	815	CLA	C3B-C4B	2.16	1.49	1.42
22	B	837	CLA	C3B-C4B	2.16	1.49	1.42
22	2	308	CLA	C3D-C4D	-2.16	1.39	1.44
22	A	824	CLA	C3B-C2B	2.16	1.48	1.41
22	2	307	CLA	C3D-C4D	-2.16	1.39	1.44
22	6	308	CLA	C1C-C2C	2.15	1.48	1.44
22	A	823	CLA	C4C-C3C	2.15	1.48	1.45
31	6	318	RRX	C12-C13	-2.15	1.41	1.46
22	B	812	CLA	C3B-C2B	2.15	1.48	1.41
29	M	101	5X6	C25-C26	2.15	1.40	1.35
22	B	813	CLA	C1C-NC	-2.15	1.34	1.37
29	4	313	5X6	C41-C17	2.15	1.55	1.50
25	2	301	BCR	C14-C13	2.15	1.40	1.35
29	1	311	5X6	C21-C22	2.15	1.40	1.35
22	A	827	CLA	C4C-C3C	2.15	1.48	1.45
25	B	843	BCR	C21-C22	2.15	1.40	1.35
22	B	808	CLA	C1C-C2C	2.15	1.48	1.44
22	6	310	CLA	C1C-C2C	2.15	1.48	1.44
22	4	307	CLA	C1C-NC	-2.15	1.34	1.37
31	5	322	RRX	C17-C18	2.15	1.40	1.35
22	B	820	CLA	C4B-NB	-2.15	1.35	1.37
22	7	304	CLA	C4C-C3C	2.15	1.48	1.45
31	1	315	RRX	C17-C18	2.14	1.40	1.35
22	6	311	CLA	C3D-C4D	-2.14	1.39	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	J	102	CLA	C1B-C2B	2.14	1.48	1.43
22	A	819	CLA	C1C-C2C	2.14	1.48	1.44
29	5	314	5X6	C01-C02	2.14	1.54	1.50
22	A	805	CLA	C3B-C2B	2.14	1.48	1.41
22	3	304	CLA	C4B-NB	-2.14	1.35	1.37
22	B	828	CLA	C3B-C2B	2.14	1.48	1.41
25	A	845	BCR	C15-C14	-2.14	1.36	1.43
22	7	312	CLA	C4B-NB	-2.14	1.35	1.37
22	1	306	CLA	C3D-C4D	-2.14	1.39	1.44
25	A	846	BCR	C10-C9	2.14	1.40	1.35
22	A	821	CLA	C1B-C2B	2.14	1.48	1.43
22	7	306	CLA	C3B-C2B	2.14	1.48	1.41
22	2	311	CLA	C3B-C2B	2.14	1.48	1.41
22	A	806	CLA	C3B-C2B	2.14	1.48	1.41
22	A	812	CLA	C3D-C4D	-2.14	1.39	1.44
22	4	309	CLA	C3B-C2B	2.14	1.48	1.41
22	4	307	CLA	C1B-C2B	2.14	1.48	1.43
29	4	314	5X6	C01-C02	2.14	1.54	1.50
25	B	842	BCR	C12-C13	-2.14	1.41	1.46
22	7	310	CLA	C3D-C4D	-2.14	1.39	1.44
22	A	818	CLA	C3D-C4D	-2.14	1.39	1.44
22	F	206	CLA	C1B-C2B	2.13	1.48	1.43
22	B	832	CLA	C1B-C2B	2.13	1.48	1.43
22	F	206	CLA	C3B-C2B	2.13	1.48	1.41
22	A	823	CLA	C1C-C2C	2.13	1.48	1.44
22	B	806	CLA	C4C-C3C	2.13	1.48	1.45
22	B	826	CLA	C1B-C2B	2.13	1.48	1.43
22	A	813	CLA	C3B-C4B	2.13	1.48	1.42
22	B	822	CLA	C4C-C3C	2.13	1.48	1.45
22	6	310	CLA	C4C-C3C	2.13	1.48	1.45
22	A	825	CLA	C3B-C4B	2.13	1.48	1.42
22	4	305	CLA	C4C-C3C	2.13	1.48	1.45
22	4	303	CLA	C1B-C2B	2.13	1.48	1.43
22	B	819	CLA	C1C-C2C	2.13	1.48	1.44
22	A	848	CLA	C3B-C4B	2.13	1.48	1.42
22	7	310	CLA	C3A-C2A	-2.13	1.52	1.54
22	A	816	CLA	C3B-C4B	2.13	1.48	1.42
22	F	205	CLA	C1C-C2C	2.13	1.48	1.44
22	B	812	CLA	C1B-C2B	2.13	1.48	1.43
22	A	809	CLA	C3B-C2B	2.13	1.48	1.41
25	L	202	BCR	C21-C22	2.13	1.40	1.35
29	7	316	5X6	C38-C30	2.13	1.54	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	803	CLA	C3B-C2B	2.13	1.48	1.41
22	B	817	CLA	C1B-C2B	2.12	1.48	1.43
22	6	309	CLA	C3D-C4D	-2.12	1.39	1.44
22	B	834	CLA	C1C-NC	-2.12	1.34	1.37
29	O	207	5X6	C42-C13	2.12	1.55	1.50
22	A	836	CLA	C4C-C3C	2.12	1.48	1.45
22	A	859	CLA	C4D-CHA	2.12	1.45	1.38
22	5	308	CLA	C1C-NC	-2.12	1.34	1.37
22	A	805	CLA	C1C-C2C	2.12	1.48	1.44
22	A	838	CLA	C1C-C2C	2.12	1.48	1.44
29	1	312	5X6	C41-C17	2.12	1.55	1.50
22	A	804	CLA	C3B-C2B	2.12	1.48	1.41
22	2	307	CLA	C4B-NB	-2.12	1.35	1.37
22	7	303	CLA	C1D-C2D	2.12	1.49	1.45
22	A	807	CLA	MG-ND	-2.11	2.01	2.05
22	J	102	CLA	C1C-C2C	2.11	1.48	1.44
22	K	102	CLA	C1C-C2C	2.11	1.48	1.44
22	B	809	CLA	C1C-C2C	2.11	1.48	1.44
22	6	304	CLA	C4C-C3C	2.11	1.48	1.45
22	A	825	CLA	C3B-C2B	2.11	1.48	1.41
22	F	205	CLA	C4B-NB	-2.11	1.35	1.37
22	B	810	CLA	C1B-C2B	2.11	1.48	1.43
22	B	849	CLA	C3D-C4D	-2.11	1.39	1.44
22	K	102	CLA	C3B-C2B	2.11	1.48	1.41
22	O	203	CLA	C3B-C4B	2.11	1.48	1.42
22	A	836	CLA	C4D-CHA	2.11	1.45	1.38
22	A	817	CLA	C3B-C4B	2.11	1.48	1.42
22	1	304	CLA	C1C-NC	-2.11	1.34	1.37
29	5	312	5X6	C01-C02	2.11	1.54	1.50
22	A	824	CLA	C3D-C4D	-2.11	1.39	1.44
22	5	309	CLA	C4C-C3C	2.11	1.48	1.45
22	4	308	CLA	C4B-NB	-2.10	1.35	1.37
22	O	205	CLA	C4C-C3C	2.10	1.48	1.45
22	7	313	CLA	C4B-NB	-2.10	1.35	1.37
22	B	829	CLA	C3D-C4D	-2.10	1.39	1.44
22	A	826	CLA	C1C-C2C	2.10	1.48	1.44
25	1	301	BCR	C19-C18	-2.10	1.41	1.46
22	A	848	CLA	C1C-NC	-2.10	1.34	1.37
25	1	301	BCR	C17-C18	2.10	1.40	1.35
22	2	302	CLA	C4B-NB	-2.10	1.35	1.37
22	2	309	CLA	C4B-NB	-2.10	1.35	1.37
22	5	309	CLA	C3B-C2B	2.10	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	A	815	CLA	C1C-NC	-2.10	1.34	1.37
25	A	846	BCR	C16-C17	-2.10	1.36	1.43
22	A	831	CLA	C4C-C3C	2.09	1.48	1.45
22	5	311	CLA	C1C-NC	-2.09	1.34	1.37
22	3	305	CLA	C1B-C2B	2.09	1.48	1.43
25	Z	202	BCR	C17-C18	2.09	1.40	1.35
22	7	306	CLA	C4B-NB	-2.09	1.35	1.37
29	5	313	5X6	C01-C02	2.09	1.54	1.50
29	6	317	5X6	C01-C02	2.09	1.54	1.50
22	4	307	CLA	C3B-C2B	2.09	1.48	1.41
22	B	833	CLA	C3B-C4B	2.09	1.48	1.42
22	5	306	CLA	C1C-C2C	2.09	1.48	1.44
22	A	836	CLA	C1C-NC	-2.09	1.34	1.37
22	A	833	CLA	C1C-NC	-2.09	1.34	1.37
22	B	813	CLA	C3B-C2B	2.09	1.48	1.41
22	A	858	CLA	C3B-C4B	2.09	1.48	1.42
22	A	811	CLA	C3B-C2B	2.09	1.48	1.41
22	3	303	CLA	C4B-NB	-2.09	1.35	1.37
29	Z	206	5X6	C42-C13	2.09	1.55	1.50
22	6	306	CLA	C1C-C2C	2.08	1.48	1.44
29	4	313	5X6	C01-C02	2.08	1.54	1.50
29	5	312	5X6	C25-C26	2.08	1.40	1.35
22	4	302	CLA	C1C-C2C	2.08	1.48	1.44
22	A	806	CLA	C1C-C2C	2.08	1.48	1.44
22	A	820	CLA	C1C-C2C	2.08	1.48	1.44
22	K	102	CLA	C4C-C3C	2.08	1.48	1.45
22	B	812	CLA	C1C-NC	-2.08	1.34	1.37
22	3	305	CLA	C4B-NB	-2.08	1.35	1.37
22	A	813	CLA	C3D-C4D	-2.08	1.39	1.44
22	B	816	CLA	C3B-C4B	2.08	1.48	1.42
22	1	302	CLA	C3B-C2B	2.08	1.48	1.41
22	O	204	CLA	C4B-NB	-2.08	1.35	1.37
22	B	804	CLA	C3D-C4D	-2.08	1.39	1.44
29	Z	206	5X6	C01-C02	2.08	1.54	1.50
22	A	817	CLA	C3B-C2B	2.08	1.48	1.41
22	7	306	CLA	C1D-C2D	2.08	1.49	1.45
22	5	301	CLA	C3B-C2B	2.07	1.48	1.41
22	B	830	CLA	C1C-C2C	2.07	1.48	1.44
22	5	307	CLA	C4C-C3C	2.07	1.48	1.45
22	B	822	CLA	C3B-C4B	2.07	1.48	1.42
25	I	102	BCR	C20-C21	-2.07	1.36	1.43
22	4	312	CLA	C3B-C2B	2.07	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	6	305	CLA	C1C-NC	-2.07	1.34	1.37
29	3	306	5X6	C38-C30	2.07	1.54	1.50
22	B	819	CLA	CHB-C4A	-2.07	1.32	1.37
29	2	312	5X6	C01-C02	2.07	1.54	1.50
22	A	833	CLA	C1B-C2B	2.07	1.48	1.43
22	B	830	CLA	C3B-C4B	2.07	1.48	1.42
22	A	822	CLA	C1B-C2B	2.07	1.48	1.43
22	2	306	CLA	C1D-C2D	2.07	1.49	1.45
22	2	308	CLA	C1D-C2D	2.07	1.49	1.45
22	O	205	CLA	C1C-NC	-2.07	1.34	1.37
22	7	304	CLA	C1B-C2B	2.07	1.48	1.43
22	A	835	CLA	C3B-C2B	2.07	1.48	1.41
22	2	308	CLA	C3B-C2B	2.07	1.48	1.41
22	6	314	CLA	C1C-NC	-2.07	1.34	1.37
22	4	303	CLA	C4B-NB	-2.07	1.35	1.37
22	A	827	CLA	C3B-C4B	2.07	1.48	1.42
29	O	207	5X6	C38-C30	2.07	1.54	1.50
22	A	814	CLA	C4C-C3C	2.07	1.48	1.45
22	F	205	CLA	C1C-NC	-2.06	1.34	1.37
25	B	843	BCR	C16-C17	-2.06	1.36	1.43
22	A	838	CLA	C1B-C2B	2.06	1.48	1.43
25	F	201	BCR	C14-C13	2.06	1.40	1.35
22	4	310	CLA	C3B-C2B	2.06	1.48	1.41
22	B	802	CLA	OBD-CAD	2.06	1.26	1.22
25	A	846	BCR	C14-C13	2.06	1.40	1.35
22	A	812	CLA	C1C-NC	-2.06	1.34	1.37
22	B	831	CLA	C1C-C2C	2.06	1.48	1.44
22	Z	204	CLA	C3B-C4B	2.06	1.48	1.42
22	L	205	CLA	C1C-NC	-2.06	1.34	1.37
22	B	824	CLA	C1C-C2C	2.06	1.48	1.44
22	Z	204	CLA	C3D-C4D	-2.06	1.39	1.44
22	B	836	CLA	C4C-C3C	2.06	1.48	1.45
22	B	824	CLA	C3B-C2B	2.06	1.48	1.41
22	1	310	CLA	C1C-NC	-2.06	1.34	1.37
22	B	832	CLA	C3B-C4B	2.06	1.48	1.42
22	7	307	CLA	C1D-C2D	2.06	1.49	1.45
25	F	207	BCR	C14-C13	2.06	1.40	1.35
22	B	826	CLA	C1C-C2C	2.06	1.48	1.44
22	B	820	CLA	C3B-C2B	2.06	1.48	1.41
22	A	826	CLA	C3B-C2B	2.06	1.48	1.41
22	A	818	CLA	C3B-C4B	2.06	1.48	1.42
22	2	310	CLA	C4B-NB	-2.06	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	844	BCR	C19-C18	-2.06	1.41	1.46
22	7	311	CLA	C4B-NB	-2.05	1.35	1.37
25	I	102	BCR	C21-C22	2.05	1.40	1.35
29	7	314	5X6	C01-C02	2.05	1.54	1.50
22	6	312	CLA	C1D-C2D	2.05	1.49	1.45
22	B	813	CLA	C3B-C4B	2.05	1.48	1.42
22	A	818	CLA	C1C-NC	-2.05	1.34	1.37
22	B	811	CLA	C3B-C2B	2.05	1.48	1.41
22	B	837	CLA	C1C-C2C	2.05	1.48	1.44
25	4	316	BCR	C14-C13	2.05	1.40	1.35
22	4	308	CLA	C3B-C2B	2.05	1.48	1.41
29	B	851	5X6	C38-C30	2.05	1.54	1.50
22	Z	204	CLA	C4C-C3C	2.05	1.48	1.45
22	7	308	CLA	C1B-C2B	2.05	1.47	1.43
29	O	208	5X6	C01-C02	2.04	1.54	1.50
25	2	301	BCR	C29-C28	-2.04	1.47	1.52
25	F	201	BCR	C21-C22	2.04	1.40	1.35
22	B	834	CLA	C4C-C3C	2.04	1.48	1.45
29	O	208	5X6	C38-C30	2.04	1.54	1.50
22	B	803	CLA	C3B-C2B	2.04	1.48	1.41
25	A	845	BCR	C11-C10	-2.04	1.36	1.43
25	1	301	BCR	C14-C13	2.04	1.40	1.35
22	A	814	CLA	C3B-C2B	2.04	1.48	1.41
22	B	825	CLA	C1C-NC	-2.04	1.34	1.37
22	A	829	CLA	C1C-C2C	2.04	1.48	1.44
22	1	309	CLA	C1D-C2D	2.03	1.49	1.45
22	B	814	CLA	C3D-C4D	-2.03	1.39	1.44
22	A	836	CLA	C1C-C2C	2.03	1.48	1.44
22	B	829	CLA	C3B-C4B	2.03	1.48	1.42
22	B	809	CLA	C3D-C4D	-2.03	1.39	1.44
22	O	203	CLA	C3D-C4D	-2.03	1.39	1.44
25	A	843	BCR	C16-C17	-2.03	1.36	1.43
22	5	302	CLA	C1C-NC	-2.03	1.34	1.37
22	1	302	CLA	C3D-C4D	-2.03	1.39	1.44
25	A	862	BCR	C14-C13	2.03	1.40	1.35
22	4	311	CLA	C3B-C2B	2.03	1.48	1.41
25	A	843	BCR	C17-C18	2.03	1.40	1.35
22	A	815	CLA	C1C-C2C	2.03	1.48	1.44
29	5	321	5X6	C38-C30	2.03	1.54	1.50
22	A	859	CLA	C3B-C2B	2.03	1.48	1.41
22	A	834	CLA	C1C-NC	-2.03	1.34	1.37
25	B	841	BCR	C2-C3	-2.03	1.47	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	A	845	BCR	C14-C13	2.03	1.40	1.35
29	7	315	5X6	C41-C17	2.03	1.54	1.50
22	B	830	CLA	C1B-C2B	2.03	1.47	1.43
22	A	832	CLA	C4C-C3C	2.03	1.48	1.45
22	B	802	CLA	C3D-C4D	-2.03	1.39	1.44
29	1	314	5X6	C38-C30	2.03	1.54	1.50
29	7	317	5X6	C41-C17	2.03	1.54	1.50
22	7	308	CLA	C3B-C2B	2.03	1.48	1.41
22	A	814	CLA	C1C-NC	-2.03	1.34	1.37
22	6	307	CLA	C1D-C2D	2.02	1.49	1.45
22	6	309	CLA	C1C-NC	-2.02	1.34	1.37
22	A	812	CLA	C1C-C2C	2.02	1.48	1.44
22	6	314	CLA	C3B-C2B	2.02	1.48	1.41
22	3	301	CLA	C4B-NB	-2.02	1.35	1.37
29	2	313	5X6	C42-C13	2.02	1.54	1.50
22	2	307	CLA	C1D-C2D	2.02	1.49	1.45
22	4	305	CLA	C1C-NC	-2.02	1.34	1.37
29	B	851	5X6	C18-C17	2.02	1.40	1.35
29	B	851	5X6	O08-C06	-2.02	1.37	1.43
29	4	314	5X6	C41-C17	2.02	1.54	1.50
22	2	309	CLA	C3A-C2A	-2.02	1.52	1.54
22	B	820	CLA	C1B-C2B	2.02	1.47	1.43
22	F	206	CLA	C1C-NC	-2.02	1.34	1.37
22	A	819	CLA	C1B-C2B	2.02	1.47	1.43
29	7	314	5X6	C41-C17	2.02	1.54	1.50
25	B	843	BCR	C17-C18	2.02	1.40	1.35
22	3	301	CLA	C1D-C2D	2.01	1.49	1.45
23	B	840	A1L64	C6-C5	-2.01	1.40	1.46
25	A	844	BCR	C15-C14	-2.01	1.36	1.43
25	A	846	BCR	C19-C18	-2.01	1.41	1.46
22	B	805	CLA	C4C-C3C	2.01	1.48	1.45
22	A	832	CLA	C1B-C2B	2.01	1.47	1.43
22	A	857	CLA	C1C-C2C	2.01	1.48	1.44
22	6	306	CLA	C4C-C3C	2.01	1.48	1.45
22	A	857	CLA	MG-NA	2.01	2.11	2.06
22	1	302	CLA	C1C-NC	-2.01	1.34	1.37
22	A	819	CLA	C3B-C2B	2.01	1.47	1.41
22	4	308	CLA	CHB-C4A	-2.01	1.32	1.37
22	3	303	CLA	C1D-C2D	2.01	1.49	1.45
22	A	837	CLA	C4C-C3C	2.01	1.48	1.45
29	6	317	5X6	C42-C13	2.01	1.54	1.50
22	7	309	CLA	C3B-C2B	2.01	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	B	832	CLA	C1C-NC	-2.01	1.34	1.37
22	6	303	CLA	C1C-NC	-2.00	1.34	1.37
29	7	316	5X6	C01-C02	2.00	1.54	1.50
22	B	822	CLA	C3B-C2B	2.00	1.47	1.41
22	B	808	CLA	C2A-C1A	-2.00	1.47	1.52
22	B	806	CLA	MG-ND	-2.00	2.01	2.05
29	2	313	5X6	C41-C17	2.00	1.54	1.50
22	A	822	CLA	C3B-C2B	2.00	1.47	1.41
22	2	305	CLA	C1D-C2D	2.00	1.49	1.45
22	A	857	CLA	C3D-C4D	-2.00	1.39	1.44

All (6155) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	7	317	5X6	C01-C02-C03	-14.17	109.03	124.48
29	7	314	5X6	C38-C30-C29	-13.14	110.15	124.48
29	1	311	5X6	C01-C02-C03	-12.48	110.86	124.48
29	M	101	5X6	C38-C30-C29	-12.39	110.97	124.48
29	3	306	5X6	C01-C02-C03	-12.24	111.12	124.48
29	7	318	5X6	C38-C30-C29	-12.22	111.15	124.48
29	1	311	5X6	C38-C30-C29	-12.01	111.38	124.48
29	2	312	5X6	C38-C30-C29	-11.93	111.47	124.48
29	B	851	5X6	C38-C30-C29	-11.66	111.76	124.48
29	O	207	5X6	C38-C30-C29	-11.63	111.80	124.48
29	1	311	5X6	C20-C21-C22	-11.63	110.97	127.28
29	7	317	5X6	C38-C30-C29	-11.55	111.88	124.48
29	4	315	5X6	C38-C30-C29	-11.47	111.96	124.48
22	B	838	CLA	C1D-ND-C4D	-11.23	98.43	106.31
29	M	101	5X6	C01-C02-C03	-11.17	112.29	124.48
29	2	312	5X6	C01-C02-C03	-11.17	112.30	124.48
29	7	316	5X6	C24-C25-C26	-11.10	111.70	127.28
29	1	316	5X6	C01-C02-C03	-11.04	112.44	124.48
29	5	314	5X6	C15-C14-C13	-11.02	111.83	127.28
29	1	316	5X6	C38-C30-C29	-10.94	112.55	124.48
29	1	314	5X6	C24-C25-C26	-10.88	112.02	127.28
22	A	820	CLA	C1D-ND-C4D	-10.85	98.70	106.31
22	7	306	CLA	C1D-ND-C4D	-10.77	98.75	106.31
29	2	314	5X6	C38-C30-C29	-10.71	112.80	124.48
29	1	314	5X6	C01-C02-C03	-10.70	112.81	124.48
29	5	321	5X6	C24-C25-C26	-10.69	112.29	127.28
22	B	832	CLA	C1D-ND-C4D	-10.65	98.84	106.31
29	1	313	5X6	C15-C14-C13	-10.60	112.42	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	1	312	5X6	C15-C14-C13	-10.59	112.43	127.28
29	7	317	5X6	C24-C25-C26	-10.59	112.43	127.28
29	7	316	5X6	C01-C02-C03	-10.57	112.95	124.48
29	O	208	5X6	C38-C30-C29	-10.56	112.96	124.48
22	A	837	CLA	C1D-ND-C4D	-10.56	98.90	106.31
22	B	805	CLA	C1D-ND-C4D	-10.54	98.91	106.31
29	3	306	5X6	C38-C30-C29	-10.53	113.00	124.48
22	B	828	CLA	C1D-ND-C4D	-10.51	98.94	106.31
29	5	313	5X6	C15-C14-C13	-10.51	112.55	127.28
29	M	101	5X6	C24-C25-C26	-10.49	112.56	127.28
29	2	314	5X6	C15-C14-C13	-10.48	112.57	127.28
29	2	314	5X6	C01-C02-C03	-10.48	113.05	124.48
22	A	809	CLA	C1D-ND-C4D	-10.44	98.99	106.31
29	4	313	5X6	C38-C30-C29	-10.43	113.10	124.48
29	O	207	5X6	C24-C25-C26	-10.43	112.65	127.28
29	5	314	5X6	C01-C02-C03	-10.41	113.12	124.48
22	4	303	CLA	C1D-ND-C4D	-10.40	99.02	106.31
22	A	859	CLA	C1D-ND-C4D	-10.38	99.03	106.31
29	4	315	5X6	C15-C14-C13	-10.35	112.76	127.28
22	B	821	CLA	C1D-ND-C4D	-10.35	99.05	106.31
22	5	302	CLA	C1D-ND-C4D	-10.29	99.09	106.31
22	A	818	CLA	C1D-ND-C4D	-10.27	99.11	106.31
22	A	838	CLA	C1D-ND-C4D	-10.26	99.11	106.31
22	L	204	CLA	C1D-ND-C4D	-10.26	99.12	106.31
29	7	317	5X6	C15-C14-C13	-10.21	112.97	127.28
22	B	810	CLA	C1D-ND-C4D	-10.19	99.16	106.31
22	B	829	CLA	C1D-ND-C4D	-10.18	99.17	106.31
22	2	305	CLA	C1D-ND-C4D	-10.18	99.17	106.31
22	4	308	CLA	C1D-ND-C4D	-10.16	99.18	106.31
29	1	314	5X6	C38-C30-C29	-10.15	113.41	124.48
22	F	206	CLA	C1D-ND-C4D	-10.14	99.19	106.31
22	A	834	CLA	C1D-ND-C4D	-10.10	99.23	106.31
22	B	808	CLA	C1D-ND-C4D	-10.09	99.24	106.31
29	4	314	5X6	C15-C14-C13	-10.08	113.14	127.28
22	3	301	CLA	C1D-ND-C4D	-10.08	99.24	106.31
22	5	304	CLA	C1D-ND-C4D	-10.07	99.25	106.31
22	B	825	CLA	C1D-ND-C4D	-10.05	99.26	106.31
29	1	316	5X6	C20-C21-C22	-10.03	113.21	127.28
29	1	313	5X6	C24-C25-C26	-10.03	113.22	127.28
22	1	310	CLA	C1D-ND-C4D	-10.01	99.29	106.31
22	F	205	CLA	C1D-ND-C4D	-10.00	99.30	106.31
22	B	849	CLA	C1D-ND-C4D	-9.99	99.30	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	5	314	5X6	C20-C21-C22	-9.99	113.27	127.28
22	3	305	CLA	C1D-ND-C4D	-9.98	99.31	106.31
22	6	304	CLA	C1D-ND-C4D	-9.98	99.31	106.31
29	7	317	5X6	C28-C27-C26	-9.97	111.49	126.23
29	5	321	5X6	C01-C02-C03	-9.96	113.61	124.48
22	2	308	CLA	C1D-ND-C4D	-9.96	99.33	106.31
22	4	310	CLA	CAC-C3C-C4C	9.96	137.75	124.79
22	1	303	CLA	C1D-ND-C4D	-9.94	99.34	106.31
29	1	313	5X6	C19-C18-C17	-9.93	113.34	127.28
22	1	302	CLA	C1D-ND-C4D	-9.91	99.36	106.31
22	O	205	CLA	C1D-ND-C4D	-9.91	99.36	106.31
29	M	101	5X6	C20-C21-C22	-9.90	113.39	127.28
22	6	306	CLA	C1D-ND-C4D	-9.90	99.37	106.31
22	B	831	CLA	C1D-ND-C4D	-9.89	99.37	106.31
22	7	304	CLA	C1D-ND-C4D	-9.89	99.37	106.31
29	7	318	5X6	C20-C21-C22	-9.87	113.43	127.28
22	5	307	CLA	C1D-ND-C4D	-9.86	99.39	106.31
22	A	825	CLA	C1D-ND-C4D	-9.86	99.39	106.31
29	M	101	5X6	C19-C18-C17	-9.86	113.45	127.28
22	B	835	CLA	C1D-ND-C4D	-9.80	99.43	106.31
22	A	858	CLA	C1D-ND-C4D	-9.79	99.44	106.31
29	1	312	5X6	C19-C18-C17	-9.79	113.55	127.28
22	7	312	CLA	C1D-ND-C4D	-9.79	99.45	106.31
29	M	101	5X6	C15-C14-C13	-9.77	113.57	127.28
22	7	309	CLA	C1D-ND-C4D	-9.77	99.45	106.31
22	1	307	CLA	C1D-ND-C4D	-9.77	99.46	106.31
22	A	821	CLA	C1D-ND-C4D	-9.76	99.46	106.31
29	1	312	5X6	C11-C12-C13	-9.75	111.81	126.23
22	A	833	CLA	C1D-ND-C4D	-9.74	99.47	106.31
22	B	823	CLA	C1D-ND-C4D	-9.74	99.48	106.31
22	B	814	CLA	C1D-ND-C4D	-9.73	99.49	106.31
22	6	311	CLA	C1D-ND-C4D	-9.71	99.50	106.31
29	J	104	5X6	C19-C18-C17	-9.71	113.67	127.28
22	7	311	CLA	C1D-ND-C4D	-9.70	99.50	106.31
29	4	315	5X6	C24-C25-C26	-9.69	113.69	127.28
22	B	822	CLA	C1D-ND-C4D	-9.69	99.51	106.31
29	6	317	5X6	C15-C14-C13	-9.68	113.70	127.28
22	2	307	CLA	C1D-ND-C4D	-9.68	99.52	106.31
22	A	814	CLA	C1D-ND-C4D	-9.68	99.52	106.31
22	1	308	CLA	C1D-ND-C4D	-9.67	99.53	106.31
22	6	303	CLA	C1D-ND-C4D	-9.66	99.53	106.31
22	O	203	CLA	C1D-ND-C4D	-9.66	99.54	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	311	CLA	C1D-ND-C4D	-9.66	99.54	106.31
29	1	312	5X6	C38-C30-C29	-9.65	113.95	124.48
22	A	824	CLA	C1D-ND-C4D	-9.65	99.54	106.31
22	B	850	CLA	C1D-ND-C4D	-9.64	99.55	106.31
22	4	305	CLA	C1D-ND-C4D	-9.64	99.55	106.31
29	7	318	5X6	C01-C02-C03	-9.63	113.97	124.48
22	B	836	CLA	C1D-ND-C4D	-9.63	99.56	106.31
22	2	310	CLA	C1D-ND-C4D	-9.63	99.56	106.31
22	4	309	CLA	C1D-ND-C4D	-9.62	99.56	106.31
29	3	306	5X6	C19-C18-C17	-9.61	113.80	127.28
22	A	803	CLA	C1D-ND-C4D	-9.61	99.57	106.31
22	B	813	CLA	C1D-ND-C4D	-9.61	99.57	106.31
22	B	804	CLA	C1D-ND-C4D	-9.60	99.57	106.31
22	A	828	CLA	C1D-ND-C4D	-9.59	99.58	106.31
29	6	317	5X6	C28-C27-C26	-9.59	112.05	126.23
22	7	313	CLA	C1D-ND-C4D	-9.59	99.59	106.31
22	A	836	CLA	C1D-ND-C4D	-9.57	99.60	106.31
22	A	813	CLA	C1D-ND-C4D	-9.56	99.60	106.31
22	B	826	CLA	C1D-ND-C4D	-9.56	99.61	106.31
22	5	309	CLA	C1D-ND-C4D	-9.55	99.61	106.31
22	O	204	CLA	C1D-ND-C4D	-9.54	99.62	106.31
22	A	812	CLA	C1D-ND-C4D	-9.54	99.62	106.31
22	5	308	CLA	C1D-ND-C4D	-9.54	99.62	106.31
29	O	208	5X6	C20-C21-C22	-9.54	113.90	127.28
22	A	806	CLA	C1D-ND-C4D	-9.53	99.62	106.31
22	B	837	CLA	C1D-ND-C4D	-9.53	99.63	106.31
29	B	851	5X6	C24-C25-C26	-9.53	113.92	127.28
22	B	820	CLA	C1D-ND-C4D	-9.52	99.63	106.31
22	2	311	CLA	C1D-ND-C4D	-9.52	99.63	106.31
22	Z	204	CLA	C1D-ND-C4D	-9.51	99.64	106.31
22	2	309	CLA	C1D-ND-C4D	-9.51	99.64	106.31
29	7	316	5X6	C15-C14-C13	-9.51	113.94	127.28
29	7	318	5X6	C11-C12-C13	-9.49	112.19	126.23
29	J	104	5X6	C20-C21-C22	-9.49	113.97	127.28
29	7	314	5X6	C01-C02-C03	-9.49	114.13	124.48
22	F	204	CLA	C1D-ND-C4D	-9.49	99.66	106.31
29	O	207	5X6	C15-C14-C13	-9.48	113.98	127.28
22	K	102	CLA	C1D-ND-C4D	-9.48	99.66	106.31
22	B	819	CLA	C1D-ND-C4D	-9.48	99.66	106.31
22	4	302	CLA	C1D-ND-C4D	-9.48	99.66	106.31
29	2	314	5X6	C24-C25-C26	-9.47	113.99	127.28
29	5	312	5X6	C01-C02-C03	-9.47	114.15	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	3	304	CLA	C1D-ND-C4D	-9.47	99.67	106.31
22	6	308	CLA	C1D-ND-C4D	-9.46	99.67	106.31
22	B	817	CLA	C1D-ND-C4D	-9.45	99.68	106.31
29	5	314	5X6	C24-C25-C26	-9.44	114.04	127.28
22	B	816	CLA	C1D-ND-C4D	-9.42	99.70	106.31
22	6	312	CLA	C1D-ND-C4D	-9.42	99.70	106.31
22	A	815	CLA	C1D-ND-C4D	-9.42	99.71	106.31
22	B	839	CLA	C1D-ND-C4D	-9.41	99.71	106.31
22	4	312	CLA	C1D-ND-C4D	-9.41	99.71	106.31
29	5	314	5X6	C38-C30-C29	-9.41	114.22	124.48
22	Z	201	CLA	C1D-ND-C4D	-9.40	99.71	106.31
22	1	306	CLA	C1D-ND-C4D	-9.39	99.72	106.31
22	B	807	CLA	C1D-ND-C4D	-9.39	99.72	106.31
22	A	835	CLA	C1D-ND-C4D	-9.39	99.72	106.31
22	3	303	CLA	C1D-ND-C4D	-9.39	99.72	106.31
22	A	811	CLA	C1D-ND-C4D	-9.37	99.74	106.31
22	O	206	CLA	C1D-ND-C4D	-9.36	99.75	106.31
22	6	305	CLA	C1D-ND-C4D	-9.35	99.75	106.31
22	B	833	CLA	C1D-ND-C4D	-9.34	99.76	106.31
22	A	808	CLA	C1D-ND-C4D	-9.34	99.76	106.31
29	7	314	5X6	C24-C25-C26	-9.34	114.19	127.28
22	7	310	CLA	C1D-ND-C4D	-9.34	99.76	106.31
22	B	803	CLA	C1D-ND-C4D	-9.33	99.76	106.31
22	A	817	CLA	C1D-ND-C4D	-9.31	99.78	106.31
22	7	303	CLA	C1D-ND-C4D	-9.31	99.78	106.31
22	6	313	CLA	C1D-ND-C4D	-9.31	99.78	106.31
22	L	203	CLA	C1D-ND-C4D	-9.30	99.78	106.31
29	6	315	5X6	C38-C30-C29	-9.30	114.34	124.48
22	2	304	CLA	C1D-ND-C4D	-9.28	99.80	106.31
22	A	830	CLA	C1D-ND-C4D	-9.28	99.80	106.31
22	6	314	CLA	C1D-ND-C4D	-9.27	99.81	106.31
22	3	302	CLA	C1D-ND-C4D	-9.27	99.81	106.31
29	7	315	5X6	C19-C18-C17	-9.27	114.28	127.28
29	7	318	5X6	C28-C27-C26	-9.26	112.53	126.23
22	6	310	CLA	C1D-ND-C4D	-9.26	99.82	106.31
22	1	309	CLA	C1D-ND-C4D	-9.26	99.82	106.31
22	1	305	CLA	C1D-ND-C4D	-9.25	99.82	106.31
22	6	307	CLA	C1D-ND-C4D	-9.25	99.82	106.31
22	5	305	CLA	C1D-ND-C4D	-9.25	99.82	106.31
22	A	805	CLA	C1D-ND-C4D	-9.24	99.83	106.31
22	A	816	CLA	C1D-ND-C4D	-9.23	99.83	106.31
22	B	830	CLA	C1D-ND-C4D	-9.23	99.84	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	B	851	5X6	C28-C27-C26	-9.22	112.59	126.23
22	2	303	CLA	C1D-ND-C4D	-9.21	99.85	106.31
22	B	827	CLA	C1D-ND-C4D	-9.21	99.85	106.31
22	4	306	CLA	C1D-ND-C4D	-9.21	99.85	106.31
22	2	306	CLA	C1D-ND-C4D	-9.20	99.86	106.31
29	2	312	5X6	C15-C14-C13	-9.20	114.38	127.28
22	A	807	CLA	C1D-ND-C4D	-9.19	99.86	106.31
29	J	104	5X6	C38-C30-C29	-9.19	114.46	124.48
22	2	302	CLA	C1D-ND-C4D	-9.17	99.88	106.31
22	A	822	CLA	C1D-ND-C4D	-9.17	99.88	106.31
22	5	310	CLA	C1D-ND-C4D	-9.17	99.88	106.31
22	B	818	CLA	C1D-ND-C4D	-9.16	99.88	106.31
29	O	207	5X6	C20-C21-C22	-9.15	114.44	127.28
22	A	802	CLA	C1D-ND-C4D	-9.14	99.90	106.31
22	B	802	CLA	C1D-ND-C4D	-9.12	99.92	106.31
22	B	815	CLA	C1D-ND-C4D	-9.11	99.92	106.31
22	L	205	CLA	C1D-ND-C4D	-9.11	99.92	106.31
29	1	316	5X6	C24-C25-C26	-9.11	114.50	127.28
29	6	315	5X6	C15-C14-C13	-9.10	114.51	127.28
29	7	317	5X6	C20-C21-C22	-9.10	114.52	127.28
22	K	101	CLA	C1D-ND-C4D	-9.10	99.93	106.31
22	B	809	CLA	C1D-ND-C4D	-9.09	99.94	106.31
29	5	312	5X6	C15-C14-C13	-9.08	114.55	127.28
29	7	316	5X6	C19-C18-C17	-9.08	114.55	127.28
22	5	303	CLA	C1D-ND-C4D	-9.08	99.94	106.31
22	A	832	CLA	C1D-ND-C4D	-9.06	99.95	106.31
22	5	311	CLA	C1D-ND-C4D	-9.04	99.97	106.31
22	7	308	CLA	C1D-ND-C4D	-9.04	99.97	106.31
22	A	810	CLA	C1D-ND-C4D	-9.03	99.98	106.31
29	Z	206	5X6	C38-C30-C29	-9.02	114.64	124.48
29	4	313	5X6	C24-C25-C26	-9.02	114.63	127.28
29	6	315	5X6	C24-C25-C26	-9.01	114.64	127.28
29	2	313	5X6	C19-C18-C17	-9.00	114.66	127.28
22	J	102	CLA	C1D-ND-C4D	-8.99	100.00	106.31
29	1	316	5X6	C15-C14-C13	-8.99	114.68	127.28
22	B	834	CLA	C1D-ND-C4D	-8.98	100.01	106.31
29	2	314	5X6	C19-C18-C17	-8.96	114.72	127.28
29	J	104	5X6	C01-C02-C03	-8.95	114.71	124.48
22	A	839	CLA	C1D-ND-C4D	-8.95	100.03	106.31
29	O	207	5X6	C19-C18-C17	-8.93	114.75	127.28
22	A	829	CLA	C1D-ND-C4D	-8.93	100.05	106.31
22	7	307	CLA	C1D-ND-C4D	-8.93	100.05	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	304	CLA	C1D-ND-C4D	-8.92	100.05	106.31
29	6	317	5X6	C20-C21-C22	-8.92	114.77	127.28
29	2	313	5X6	C01-C02-C03	-8.91	114.76	124.48
29	3	306	5X6	C15-C14-C13	-8.90	114.80	127.28
29	6	315	5X6	C01-C02-C03	-8.86	114.81	124.48
29	3	306	5X6	C11-C12-C13	-8.86	113.13	126.23
22	5	301	CLA	C1D-ND-C4D	-8.86	100.10	106.31
22	4	310	CLA	C1D-ND-C4D	-8.86	100.10	106.31
22	1	304	CLA	C1D-ND-C4D	-8.85	100.10	106.31
22	A	819	CLA	C1D-ND-C4D	-8.83	100.11	106.31
29	1	311	5X6	C11-C12-C13	-8.80	113.22	126.23
29	5	314	5X6	C28-C27-C26	-8.79	113.22	126.23
22	A	831	CLA	C1D-ND-C4D	-8.79	100.14	106.31
29	4	315	5X6	C20-C21-C22	-8.78	114.96	127.28
22	B	811	CLA	C1D-ND-C4D	-8.77	100.16	106.31
29	5	312	5X6	C28-C27-C26	-8.77	113.26	126.23
29	6	315	5X6	C28-C27-C26	-8.76	113.27	126.23
22	A	826	CLA	C1D-ND-C4D	-8.75	100.17	106.31
29	5	321	5X6	C20-C21-C22	-8.75	115.01	127.28
22	6	309	CLA	C1D-ND-C4D	-8.74	100.18	106.31
29	1	311	5X6	C28-C27-C26	-8.74	113.31	126.23
22	B	816	CLA	O2D-CGD-CBD	8.71	126.46	111.23
29	6	317	5X6	C24-C25-C26	-8.70	115.07	127.28
22	B	829	CLA	O2D-CGD-CBD	8.68	126.41	111.23
22	5	306	CLA	C1D-ND-C4D	-8.67	100.23	106.31
29	6	316	5X6	C24-C25-C26	-8.65	115.14	127.28
29	7	314	5X6	C20-C21-C22	-8.60	115.21	127.28
29	1	314	5X6	C19-C18-C17	-8.60	115.22	127.28
22	B	801	CLA	C1D-ND-C4D	-8.60	100.28	106.31
22	B	812	CLA	C1D-ND-C4D	-8.60	100.28	106.31
29	7	315	5X6	C01-C02-C03	-8.58	115.12	124.48
29	2	312	5X6	C19-C18-C17	-8.57	115.26	127.28
29	2	313	5X6	C38-C30-C29	-8.55	115.15	124.48
29	7	315	5X6	C38-C30-C29	-8.55	115.15	124.48
29	M	101	5X6	C28-C27-C26	-8.55	113.58	126.23
22	A	857	CLA	C1D-ND-C4D	-8.55	100.31	106.31
22	A	823	CLA	C1D-ND-C4D	-8.54	100.32	106.31
29	1	314	5X6	C15-C14-C13	-8.54	115.30	127.28
29	5	312	5X6	C38-C30-C29	-8.53	115.18	124.48
29	7	317	5X6	C11-C12-C13	-8.48	113.68	126.23
29	7	315	5X6	C15-C14-C13	-8.47	115.40	127.28
29	1	311	5X6	C24-C25-C26	-8.46	115.41	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	B	851	5X6	C20-C21-C22	-8.46	115.42	127.28
29	7	314	5X6	C28-C27-C26	-8.44	113.75	126.23
29	7	316	5X6	C38-C30-C29	-8.43	115.29	124.48
29	5	314	5X6	C19-C18-C17	-8.41	115.48	127.28
22	A	848	CLA	C1D-ND-C4D	-8.41	100.41	106.31
29	4	313	5X6	C15-C14-C13	-8.38	115.52	127.28
29	6	316	5X6	C19-C18-C17	-8.37	115.54	127.28
29	B	851	5X6	C15-C14-C13	-8.36	115.55	127.28
22	7	305	CLA	C1D-ND-C4D	-8.36	100.45	106.31
29	4	314	5X6	C24-C25-C26	-8.34	115.58	127.28
29	6	317	5X6	C11-C12-C13	-8.31	113.94	126.23
29	J	104	5X6	C28-C27-C26	-8.30	113.95	126.23
29	2	312	5X6	C11-C12-C13	-8.29	113.97	126.23
22	B	824	CLA	C1D-ND-C4D	-8.29	100.50	106.31
29	7	316	5X6	C20-C21-C22	-8.29	115.66	127.28
29	4	313	5X6	C20-C21-C22	-8.25	115.71	127.28
29	6	316	5X6	C20-C21-C22	-8.25	115.71	127.28
22	B	806	CLA	C1D-ND-C4D	-8.23	100.54	106.31
29	6	315	5X6	C19-C18-C17	-8.23	115.74	127.28
29	2	312	5X6	C20-C21-C22	-8.19	115.80	127.28
29	2	313	5X6	C28-C27-C26	-8.18	114.14	126.23
29	6	316	5X6	C15-C14-C13	-8.15	115.85	127.28
29	4	315	5X6	C28-C27-C26	-8.14	114.19	126.23
29	7	316	5X6	C28-C27-C26	-8.13	114.20	126.23
29	Z	206	5X6	C19-C18-C17	-8.10	115.91	127.28
21	A	801	CL0	O2D-CGD-CBD	8.09	119.83	110.95
29	1	313	5X6	C20-C21-C22	-8.08	115.94	127.28
29	2	312	5X6	C24-C25-C26	-8.07	115.96	127.28
29	5	313	5X6	C24-C25-C26	-8.06	115.97	127.28
22	A	827	CLA	C1D-ND-C4D	-8.06	100.66	106.31
29	4	314	5X6	C28-C27-C26	-8.05	114.33	126.23
29	4	314	5X6	C11-C12-C13	-8.05	114.33	126.23
29	5	313	5X6	C20-C21-C22	-8.03	116.01	127.28
29	2	314	5X6	C20-C21-C22	-8.01	116.04	127.28
29	6	315	5X6	C20-C21-C22	-8.01	116.05	127.28
29	2	313	5X6	C15-C14-C13	-8.00	116.05	127.28
29	1	313	5X6	C38-C30-C29	-8.00	115.75	124.48
29	7	315	5X6	C11-C12-C13	-7.99	114.41	126.23
29	7	318	5X6	C19-C18-C17	-7.99	116.07	127.28
29	1	312	5X6	C24-C25-C26	-7.99	116.08	127.28
29	7	317	5X6	C19-C18-C17	-7.98	116.09	127.28
29	O	207	5X6	C28-C27-C26	-7.92	114.52	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	O	208	5X6	C24-C25-C26	-7.90	116.20	127.28
22	B	838	CLA	C2D-C1D-ND	7.89	117.93	110.13
29	4	313	5X6	C28-C27-C26	-7.88	114.58	126.23
29	5	313	5X6	C28-C27-C26	-7.87	114.59	126.23
29	5	321	5X6	C15-C14-C13	-7.87	116.25	127.28
29	1	316	5X6	C11-C12-C13	-7.86	114.60	126.23
29	1	311	5X6	C15-C14-C13	-7.85	116.26	127.28
22	7	303	CLA	CMD-C2D-C1D	7.84	138.53	124.73
29	6	316	5X6	C28-C27-C26	-7.84	114.64	126.23
22	4	307	CLA	C1D-ND-C4D	-7.83	100.82	106.31
29	5	312	5X6	C24-C25-C26	-7.83	116.30	127.28
29	1	311	5X6	C19-C18-C17	-7.83	116.30	127.28
29	7	318	5X6	C24-C25-C26	-7.81	116.33	127.28
29	1	316	5X6	C19-C18-C17	-7.77	116.38	127.28
29	O	207	5X6	C01-C02-C03	-7.75	116.02	124.48
29	B	851	5X6	C19-C18-C17	-7.73	116.44	127.28
29	2	314	5X6	C28-C27-C26	-7.73	114.81	126.23
29	4	314	5X6	C38-C30-C29	-7.72	116.06	124.48
29	1	316	5X6	C28-C27-C26	-7.70	114.85	126.23
29	2	313	5X6	C20-C21-C22	-7.70	116.49	127.28
29	7	314	5X6	C15-C14-C13	-7.68	116.50	127.28
29	2	312	5X6	C28-C27-C26	-7.67	114.88	126.23
29	1	313	5X6	C11-C12-C13	-7.66	114.90	126.23
29	4	313	5X6	C19-C18-C17	-7.63	116.57	127.28
29	1	312	5X6	C28-C27-C26	-7.63	114.95	126.23
29	1	314	5X6	C20-C21-C22	-7.62	116.59	127.28
29	O	208	5X6	C28-C27-C26	-7.59	115.01	126.23
29	O	208	5X6	C19-C18-C17	-7.57	116.66	127.28
29	5	313	5X6	C38-C30-C29	-7.56	116.23	124.48
29	3	306	5X6	C24-C25-C26	-7.56	116.68	127.28
29	7	314	5X6	C11-C12-C13	-7.55	115.06	126.23
22	A	804	CLA	C1D-ND-C4D	-7.51	101.04	106.31
22	A	820	CLA	C2D-C1D-ND	7.49	117.54	110.13
21	A	801	CL0	C1B-CHB-C4A	7.49	126.14	121.32
29	1	312	5X6	C20-C21-C22	-7.46	116.82	127.28
22	B	829	CLA	C2D-C1D-ND	7.44	117.49	110.13
22	2	304	CLA	CMD-C2D-C1D	7.42	137.79	124.73
29	Z	206	5X6	C01-C02-C03	-7.41	116.40	124.48
22	B	828	CLA	C2D-C1D-ND	7.38	117.43	110.13
29	3	306	5X6	C28-C27-C26	-7.38	115.32	126.23
29	M	101	5X6	C11-C12-C13	-7.37	115.33	126.23
29	5	313	5X6	C11-C12-C13	-7.37	115.33	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	7	314	5X6	C41-C17-C18	-7.37	110.88	122.82
29	1	313	5X6	C28-C27-C26	-7.36	115.34	126.23
29	6	317	5X6	C38-C30-C29	-7.35	116.46	124.48
22	A	838	CLA	C2D-C1D-ND	7.34	117.39	110.13
29	5	321	5X6	C19-C18-C17	-7.33	117.00	127.28
22	B	832	CLA	C2D-C1D-ND	7.32	117.37	110.13
29	J	104	5X6	C11-C12-C13	-7.31	115.42	126.23
22	A	809	CLA	C2D-C1D-ND	7.31	117.36	110.13
29	5	312	5X6	C11-C12-C13	-7.30	115.43	126.23
29	4	314	5X6	C20-C21-C22	-7.29	117.05	127.28
29	1	314	5X6	C11-C12-C13	-7.27	115.47	126.23
22	7	307	CLA	CMD-C2D-C1D	7.27	137.53	124.73
29	6	315	5X6	C11-C12-C13	-7.25	115.51	126.23
22	A	857	CLA	O2D-CGD-CBD	7.23	123.87	111.23
29	6	316	5X6	C38-C30-C29	-7.22	116.61	124.48
22	A	859	CLA	O2D-CGD-CBD	7.21	123.83	111.23
22	B	804	CLA	O2D-CGD-CBD	7.20	123.81	111.23
29	J	104	5X6	C24-C25-C26	-7.19	117.20	127.28
29	1	314	5X6	C28-C27-C26	-7.18	115.62	126.23
29	2	313	5X6	C11-C12-C13	-7.17	115.63	126.23
22	F	204	CLA	C2D-C1D-ND	7.15	117.20	110.13
29	O	208	5X6	C11-C12-C13	-7.15	115.66	126.23
22	B	808	CLA	O2D-CGD-CBD	7.12	123.68	111.23
22	B	808	CLA	C2D-C1D-ND	7.12	117.17	110.13
29	5	312	5X6	C19-C18-C17	-7.12	117.30	127.28
22	6	307	CLA	CMD-C2D-C1D	7.10	137.24	124.73
22	B	802	CLA	C2D-C1D-ND	7.09	117.15	110.13
29	7	315	5X6	C28-C27-C26	-7.09	115.75	126.23
22	A	818	CLA	C2D-C1D-ND	7.08	117.14	110.13
22	A	835	CLA	C2D-C1D-ND	7.08	117.13	110.13
22	B	832	CLA	O2D-CGD-CBD	7.08	123.60	111.23
22	1	304	CLA	CMD-C2D-C1D	7.08	137.19	124.73
22	B	805	CLA	C2D-C1D-ND	7.07	117.13	110.13
22	A	837	CLA	C2D-C1D-ND	7.07	117.12	110.13
29	7	315	5X6	C20-C21-C22	-7.05	117.40	127.28
22	B	816	CLA	C2D-C1D-ND	7.02	117.07	110.13
22	A	812	CLA	C2D-C1D-ND	6.99	117.05	110.13
22	B	849	CLA	C2D-C1D-ND	6.99	117.04	110.13
29	5	321	5X6	C28-C27-C26	-6.99	115.90	126.23
29	O	207	5X6	C11-C12-C13	-6.99	115.90	126.23
29	5	321	5X6	C38-C30-C29	-6.96	116.89	124.48
29	Z	206	5X6	C27-C26-C25	-6.95	108.07	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	825	CLA	C2D-C1D-ND	6.95	117.00	110.13
22	2	306	CLA	CMD-C2D-C1D	6.94	136.95	124.73
22	3	302	CLA	CMD-C2D-C1D	6.93	136.92	124.73
22	A	828	CLA	C2D-C1D-ND	6.93	116.98	110.13
22	B	804	CLA	C2D-C1D-ND	6.92	116.97	110.13
22	1	307	CLA	CMD-C2D-C1D	6.92	136.91	124.73
22	F	205	CLA	C2D-C1D-ND	6.92	116.97	110.13
22	4	306	CLA	CMD-C2D-C1D	6.87	136.83	124.73
29	4	315	5X6	C19-C18-C17	-6.87	117.64	127.28
22	A	821	CLA	O2D-CGD-CBD	6.86	123.22	111.23
22	B	836	CLA	C2D-C1D-ND	6.86	116.91	110.13
22	1	302	CLA	CMD-C2D-C1D	6.86	136.80	124.73
22	4	311	CLA	CMD-C2D-C1D	6.86	136.80	124.73
22	2	311	CLA	CMD-C2D-C1D	6.84	136.77	124.73
22	7	306	CLA	CMD-C2D-C1D	6.83	136.76	124.73
22	F	206	CLA	C2D-C1D-ND	6.83	116.89	110.13
22	1	309	CLA	CMD-C2D-C1D	6.83	136.75	124.73
22	3	301	CLA	CMD-C2D-C1D	6.82	136.73	124.73
22	A	811	CLA	C2D-C1D-ND	6.80	116.86	110.13
22	B	825	CLA	C2D-C1D-ND	6.79	116.85	110.13
22	A	828	CLA	O2D-CGD-CBD	6.79	123.09	111.23
29	4	313	5X6	C01-C02-C03	-6.77	117.10	124.48
22	B	803	CLA	C2D-C1D-ND	6.76	116.82	110.13
29	5	321	5X6	C11-C12-C13	-6.76	116.23	126.23
22	A	803	CLA	CMD-C2D-C1D	6.74	136.61	124.73
29	7	318	5X6	C15-C14-C13	-6.73	117.84	127.28
22	6	312	CLA	CMD-C2D-C1D	6.72	136.56	124.73
22	O	205	CLA	CMD-C2D-C1D	6.72	136.56	124.73
29	7	315	5X6	C24-C25-C26	-6.72	117.86	127.28
22	A	857	CLA	C2D-C1D-ND	6.71	116.77	110.13
22	B	810	CLA	C2D-C1D-ND	6.71	116.77	110.13
29	M	101	5X6	C42-C13-C14	-6.71	111.95	122.82
22	A	806	CLA	C2D-C1D-ND	6.70	116.76	110.13
22	A	809	CLA	O2D-CGD-CBD	6.69	122.93	111.23
22	B	826	CLA	C2D-C1D-ND	6.69	116.74	110.13
29	6	317	5X6	C19-C18-C17	-6.67	117.92	127.28
22	2	302	CLA	CMD-C2D-C1D	6.67	136.48	124.73
22	4	312	CLA	CMD-C2D-C1D	6.67	136.47	124.73
22	A	807	CLA	C2D-C1D-ND	6.66	116.72	110.13
22	6	305	CLA	CMD-C2D-C1D	6.66	136.46	124.73
22	B	802	CLA	O2D-CGD-CBD	6.66	122.87	111.23
22	A	859	CLA	C2D-C1D-ND	6.66	116.72	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	813	CLA	C2D-C1D-ND	6.66	116.71	110.13
22	7	305	CLA	CMD-C2D-C1D	6.66	136.45	124.73
22	7	313	CLA	CMD-C2D-C1D	6.65	136.44	124.73
29	B	851	5X6	C20-C19-C18	-6.65	109.91	123.52
22	5	305	CLA	CMD-C2D-C1D	6.65	136.44	124.73
29	O	207	5X6	C19-C20-C21	-6.65	109.91	123.52
22	5	302	CLA	C2D-C1D-ND	6.64	116.70	110.13
22	B	849	CLA	O2D-CGD-CBD	6.64	122.84	111.23
22	A	815	CLA	C2D-C1D-ND	6.64	116.69	110.13
22	7	311	CLA	CMD-C2D-C1D	6.63	136.40	124.73
22	B	835	CLA	C2D-C1D-ND	6.63	116.68	110.13
22	2	310	CLA	CMD-C2D-C1D	6.62	136.39	124.73
22	Z	201	CLA	CMD-C2D-C1D	6.62	136.38	124.73
22	3	303	CLA	CMD-C2D-C1D	6.62	136.38	124.73
22	7	308	CLA	CMD-C2D-C1D	6.61	136.38	124.73
22	O	204	CLA	CMD-C2D-C1D	6.61	136.37	124.73
22	5	304	CLA	CMD-C2D-C1D	6.61	136.36	124.73
22	4	303	CLA	C2D-C1D-ND	6.61	116.66	110.13
22	1	308	CLA	CMD-C2D-C1D	6.60	136.34	124.73
22	A	824	CLA	C2D-C1D-ND	6.57	116.63	110.13
22	4	310	CLA	CMD-C2D-C1D	6.57	136.29	124.73
29	O	207	5X6	C23-C22-C21	-6.57	108.68	119.01
22	A	836	CLA	C2D-C1D-ND	6.56	116.62	110.13
22	A	834	CLA	CMD-C2D-C1D	6.56	136.28	124.73
29	1	313	5X6	C19-C20-C21	-6.56	110.10	123.52
22	6	311	CLA	C2D-C1D-ND	6.55	116.61	110.13
22	L	204	CLA	C2D-C1D-ND	6.55	116.61	110.13
22	7	310	CLA	O2D-CGD-CBD	6.55	122.68	111.23
22	4	304	CLA	CMD-C2D-C1D	6.55	136.26	124.73
22	B	817	CLA	C2D-C1D-ND	6.54	116.60	110.13
22	B	827	CLA	C2D-C1D-ND	6.54	116.60	110.13
22	3	304	CLA	CMD-C2D-C1D	6.53	136.22	124.73
29	1	312	5X6	C23-C22-C21	-6.53	108.74	119.01
22	B	806	CLA	C2D-C1D-ND	6.52	116.58	110.13
22	A	831	CLA	C2D-C1D-ND	6.52	116.58	110.13
22	A	821	CLA	C2D-C1D-ND	6.52	116.58	110.13
22	B	811	CLA	O2D-CGD-CBD	6.51	122.62	111.23
22	A	832	CLA	C4A-NA-C1A	-6.51	103.71	106.68
22	B	814	CLA	C2D-C1D-ND	6.51	116.57	110.13
22	O	206	CLA	CMD-C2D-C1D	6.50	136.18	124.73
21	A	801	CL0	C4D-ND-C1D	-6.50	100.29	105.22
22	O	203	CLA	C2D-C1D-ND	6.49	116.55	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	822	CLA	O2D-CGD-CBD	6.49	122.58	111.23
29	4	313	5X6	C11-C12-C13	-6.49	116.64	126.23
22	6	308	CLA	CMD-C2D-C1D	6.48	136.15	124.73
22	B	837	CLA	C2D-C1D-ND	6.48	116.54	110.13
22	B	824	CLA	C2D-C1D-ND	6.48	116.54	110.13
22	2	307	CLA	CMD-C2D-C1D	6.48	136.13	124.73
29	1	312	5X6	C19-C20-C21	-6.47	110.27	123.52
29	Z	206	5X6	C24-C25-C26	-6.47	118.20	127.28
22	A	832	CLA	O2D-CGD-CBD	6.47	122.54	111.23
29	5	312	5X6	C23-C22-C21	-6.46	108.84	119.01
22	A	813	CLA	C2D-C1D-ND	6.46	116.52	110.13
22	A	826	CLA	C2D-C1D-ND	6.46	116.52	110.13
29	3	306	5X6	C20-C21-C22	-6.46	118.22	127.28
22	7	309	CLA	CMD-C2D-C1D	6.45	136.09	124.73
22	A	804	CLA	C2C-C1C-NC	6.45	116.75	109.98
22	K	101	CLA	CMD-C2D-C1D	6.44	136.07	124.73
22	6	314	CLA	CMD-C2D-C1D	6.44	136.07	124.73
29	J	104	5X6	C23-C22-C21	-6.43	108.89	119.01
29	O	208	5X6	C01-C02-C03	-6.43	117.47	124.48
22	A	817	CLA	C2D-C1D-ND	6.43	116.49	110.13
22	B	822	CLA	C2D-C1D-ND	6.42	116.48	110.13
29	7	317	5X6	C28-C29-C30	-6.42	106.77	121.56
22	2	308	CLA	CMD-C2D-C1D	6.41	136.03	124.73
22	2	302	CLA	O2D-CGD-CBD	6.41	122.44	111.23
22	5	309	CLA	CMD-C2D-C1D	6.40	136.01	124.73
22	2	305	CLA	CMD-C2D-C1D	6.40	136.00	124.73
22	B	836	CLA	O2D-CGD-CBD	6.40	122.42	111.23
22	L	203	CLA	CMD-C2D-C1D	6.40	136.00	124.73
22	B	821	CLA	C2D-C1D-ND	6.40	116.46	110.13
22	A	833	CLA	C2D-C1D-ND	6.39	116.45	110.13
22	A	805	CLA	CMD-C2D-C1D	6.39	135.98	124.73
29	2	314	5X6	C11-C12-C13	-6.39	116.78	126.23
22	A	814	CLA	C2D-C1D-ND	6.38	116.44	110.13
29	1	312	5X6	C01-C02-C03	-6.37	117.54	124.48
29	1	314	5X6	C19-C20-C21	-6.36	110.50	123.52
22	B	830	CLA	C2D-C1D-ND	6.36	116.42	110.13
29	1	314	5X6	C39-C26-C27	-6.36	108.38	118.09
22	B	839	CLA	C2D-C1D-ND	6.35	116.41	110.13
22	5	307	CLA	C2D-C1D-ND	6.35	116.41	110.13
22	6	304	CLA	C2D-C1D-ND	6.35	116.41	110.13
29	6	316	5X6	C11-C12-C13	-6.35	116.85	126.23
22	Z	201	CLA	C2D-C1D-ND	6.35	116.41	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	308	CLA	C2D-C1D-ND	6.35	116.41	110.13
29	3	306	5X6	C41-C17-C18	-6.35	112.53	122.82
29	4	315	5X6	C11-C12-C13	-6.34	116.85	126.23
22	B	834	CLA	C2D-C1D-ND	6.34	116.40	110.13
22	1	306	CLA	CMD-C2D-C1D	6.34	135.90	124.73
29	5	312	5X6	C20-C21-C22	-6.34	118.39	127.28
22	A	802	CLA	C2D-C1D-ND	6.34	116.40	110.13
29	6	315	5X6	C16-C17-C18	-6.34	109.04	119.01
29	6	317	5X6	C16-C17-C18	-6.34	109.04	119.01
22	A	822	CLA	C2D-C1D-ND	6.34	116.40	110.13
29	7	315	5X6	C27-C26-C25	-6.34	109.04	119.01
22	A	834	CLA	C2D-C1D-ND	6.34	116.40	110.13
29	7	318	5X6	C20-C19-C18	-6.33	110.57	123.52
22	5	311	CLA	CMD-C2D-C1D	6.33	135.87	124.73
29	5	312	5X6	C19-C20-C21	-6.33	110.58	123.52
22	B	820	CLA	C2D-C1D-ND	6.32	116.38	110.13
29	O	208	5X6	C12-C13-C14	-6.32	109.07	119.01
22	B	850	CLA	CMD-C2D-C1D	6.32	135.85	124.73
29	O	208	5X6	C15-C14-C13	-6.31	118.43	127.28
22	A	858	CLA	C2D-C1D-ND	6.31	116.37	110.13
22	A	813	CLA	O2D-CGD-CBD	6.31	122.25	111.23
22	4	309	CLA	CMD-C2D-C1D	6.30	135.82	124.73
22	B	825	CLA	O2D-CGD-CBD	6.30	122.24	111.23
22	B	815	CLA	O2D-CGD-CBD	6.29	122.22	111.23
22	Z	204	CLA	C2D-C1D-ND	6.26	116.32	110.13
22	B	833	CLA	C2D-C1D-ND	6.26	116.32	110.13
22	6	313	CLA	CMD-C2D-C1D	6.25	135.74	124.73
22	A	804	CLA	CMD-C2D-C1D	6.24	135.72	124.73
22	1	310	CLA	C2D-C1D-ND	6.24	116.31	110.13
29	6	316	5X6	C42-C13-C12	-6.24	108.55	118.09
22	B	801	CLA	C2D-C1D-ND	6.24	116.30	110.13
22	A	809	CLA	CMD-C2D-C1D	6.23	135.71	124.73
22	B	816	CLA	CHD-C4C-C3C	-6.23	115.68	124.77
22	5	303	CLA	CMD-C2D-C1D	6.23	135.70	124.73
22	O	205	CLA	C2D-C1D-ND	6.23	116.29	110.13
22	3	305	CLA	CMD-C2D-C1D	6.23	135.70	124.73
22	6	306	CLA	CMD-C2D-C1D	6.23	135.70	124.73
22	B	831	CLA	C2D-C1D-ND	6.23	116.29	110.13
22	K	102	CLA	C2D-C1D-ND	6.23	116.29	110.13
22	A	848	CLA	C2D-C1D-ND	6.22	116.29	110.13
29	J	104	5X6	C41-C17-C18	-6.22	112.73	122.82
25	B	844	BCR	C8-C9-C10	6.22	128.79	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	839	CLA	C2D-C1D-ND	6.22	116.28	110.13
29	M	101	5X6	C39-C26-C25	-6.22	112.74	122.82
29	1	311	5X6	C28-C29-C30	-6.21	107.24	121.56
22	4	310	CLA	C4A-NA-C1A	-6.21	103.85	106.68
22	4	312	CLA	O2D-CGD-CBD	6.21	122.08	111.23
29	J	104	5X6	C19-C20-C21	-6.21	110.81	123.52
22	B	809	CLA	C2D-C1D-ND	6.20	116.26	110.13
29	5	321	5X6	C16-C17-C18	-6.20	109.26	119.01
22	6	305	CLA	C2D-C1D-ND	6.19	116.25	110.13
22	B	827	CLA	CMD-C2D-C1D	6.18	135.62	124.73
22	4	311	CLA	C2D-C1D-ND	6.18	116.24	110.13
22	1	305	CLA	C2D-C1D-ND	6.18	116.24	110.13
22	A	823	CLA	C2D-C1D-ND	6.17	116.24	110.13
22	A	837	CLA	O2D-CGD-CBD	6.17	122.02	111.23
29	2	313	5X6	C19-C20-C21	-6.17	110.89	123.52
22	A	825	CLA	CHD-C4C-C3C	-6.17	115.77	124.77
22	A	838	CLA	O2D-CGD-CBD	6.17	122.02	111.23
22	5	308	CLA	C2D-C1D-ND	6.17	116.23	110.13
22	A	810	CLA	C2D-C1D-ND	6.17	116.23	110.13
22	A	818	CLA	O2D-CGD-CBD	6.17	122.01	111.23
22	B	835	CLA	O2D-CGD-CBD	6.17	122.01	111.23
22	2	303	CLA	CMD-C2D-C1D	6.16	135.58	124.73
22	5	308	CLA	CMD-C2D-C1D	6.16	135.57	124.73
22	B	839	CLA	O2D-CGD-CBD	6.15	121.98	111.23
29	1	313	5X6	C39-C26-C25	-6.15	112.85	122.82
22	F	205	CLA	CHD-C4C-C3C	-6.15	115.81	124.77
22	A	830	CLA	C2D-C1D-ND	6.15	116.21	110.13
29	6	316	5X6	C01-C02-C03	-6.14	117.78	124.48
22	L	203	CLA	C2D-C1D-ND	6.14	116.20	110.13
29	4	315	5X6	C16-C17-C18	-6.13	109.37	119.01
22	6	306	CLA	C2D-C1D-ND	6.12	116.19	110.13
22	6	303	CLA	C2D-C1D-ND	6.12	116.18	110.13
22	1	310	CLA	CMD-C2D-C1D	6.12	135.50	124.73
22	A	804	CLA	C2D-C1D-ND	6.12	116.18	110.13
22	1	302	CLA	C2D-C1D-ND	6.12	116.18	110.13
29	J	104	5X6	C27-C26-C25	-6.11	109.40	119.01
22	A	832	CLA	C2D-C1D-ND	6.11	116.17	110.13
22	7	312	CLA	CMD-C2D-C1D	6.11	135.48	124.73
22	J	102	CLA	CMD-C2D-C1D	6.10	135.48	124.73
29	Z	206	5X6	C15-C14-C13	-6.09	118.73	127.28
22	A	808	CLA	C2D-C1D-ND	6.09	116.15	110.13
22	5	309	CLA	C2D-C1D-ND	6.09	116.15	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	6	306	CLA	O2D-CGD-CBD	6.08	121.87	111.23
22	1	303	CLA	C2D-C1D-ND	6.08	116.15	110.13
22	6	313	CLA	C2D-C1D-ND	6.08	116.14	110.13
29	J	104	5X6	C40-C22-C21	-6.07	112.97	122.82
22	A	803	CLA	C2D-C1D-ND	6.07	116.14	110.13
22	5	303	CLA	C2D-C1D-ND	6.07	116.14	110.13
22	2	309	CLA	CMD-C2D-C1D	6.07	135.42	124.73
22	7	306	CLA	C2D-C1D-ND	6.07	116.13	110.13
22	B	819	CLA	C2D-C1D-ND	6.07	116.13	110.13
22	B	812	CLA	CMD-C2D-C1D	6.07	135.41	124.73
22	5	304	CLA	C2D-C1D-ND	6.07	116.13	110.13
22	A	829	CLA	C2D-C1D-ND	6.06	116.13	110.13
29	2	314	5X6	C19-C20-C21	-6.05	111.13	123.52
22	4	309	CLA	C2D-C1D-ND	6.05	116.12	110.13
22	5	310	CLA	CMD-C2D-C1D	6.05	135.38	124.73
22	7	312	CLA	C2D-C1D-ND	6.05	116.11	110.13
22	B	818	CLA	O2D-CGD-CBD	6.04	121.80	111.23
22	A	838	CLA	CHD-C4C-C3C	-6.04	115.97	124.77
22	B	807	CLA	CMD-C2D-C1D	6.04	135.36	124.73
22	3	301	CLA	C2D-C1D-ND	6.03	116.10	110.13
22	2	309	CLA	C2D-C1D-ND	6.03	116.09	110.13
22	1	307	CLA	C2D-C1D-ND	6.03	116.09	110.13
29	7	314	5X6	C19-C18-C17	-6.02	118.83	127.28
29	Z	206	5X6	C19-C20-C21	-6.02	111.19	123.52
29	M	101	5X6	C40-C22-C21	-6.02	113.06	122.82
22	3	305	CLA	C2D-C1D-ND	6.02	116.08	110.13
29	O	207	5X6	C39-C26-C25	-6.02	113.07	122.82
22	A	819	CLA	C2D-C1D-ND	6.01	116.08	110.13
29	7	315	5X6	C41-C17-C18	-6.01	113.08	122.82
22	1	303	CLA	CMD-C2D-C1D	6.00	135.30	124.73
29	7	317	5X6	C19-C20-C21	-6.00	111.24	123.52
22	2	305	CLA	C2D-C1D-ND	6.00	116.06	110.13
22	A	825	CLA	O2D-CGD-CBD	5.98	121.68	111.23
22	A	826	CLA	CHD-C4C-C3C	-5.97	116.07	124.77
29	6	315	5X6	C19-C20-C21	-5.96	111.31	123.52
22	4	303	CLA	CHD-C4C-C3C	-5.96	116.08	124.77
22	Z	204	CLA	CMD-C2D-C1D	5.96	135.22	124.73
22	1	305	CLA	CMD-C2D-C1D	5.96	135.22	124.73
22	B	815	CLA	CMD-C2D-C1D	5.95	135.21	124.73
22	B	832	CLA	CMD-C2D-C1D	5.95	135.21	124.73
22	4	305	CLA	C2D-C1D-ND	5.95	116.01	110.13
22	B	827	CLA	CHD-C4C-C3C	-5.94	116.11	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	7	309	CLA	C2D-C1D-ND	5.94	116.00	110.13
22	7	304	CLA	CMD-C2D-C1D	5.94	135.19	124.73
22	F	206	CLA	CHD-C4C-C3C	-5.94	116.12	124.77
29	7	316	5X6	C19-C20-C21	-5.93	111.38	123.52
29	3	306	5X6	C20-C19-C18	-5.93	111.39	123.52
22	7	310	CLA	C2D-C1D-ND	5.92	115.99	110.13
22	6	308	CLA	C2D-C1D-ND	5.92	115.99	110.13
22	4	306	CLA	C2D-C1D-ND	5.92	115.99	110.13
29	7	316	5X6	C11-C12-C13	-5.92	117.47	126.23
29	1	312	5X6	C40-C22-C21	-5.92	113.22	122.82
29	J	104	5X6	C12-C11-C03	-5.92	111.18	127.00
29	5	314	5X6	C39-C26-C25	-5.92	113.22	122.82
22	2	308	CLA	C2D-C1D-ND	5.92	115.98	110.13
22	2	302	CLA	C2D-C1D-ND	5.92	115.98	110.13
22	O	203	CLA	CMD-C2D-C1D	5.91	135.13	124.73
22	A	838	CLA	CMD-C2D-C1D	5.91	135.13	124.73
29	1	312	5X6	C39-C26-C25	-5.90	113.25	122.82
22	5	306	CLA	C2D-C1D-ND	5.90	115.97	110.13
22	A	835	CLA	CHD-C4C-C3C	-5.90	116.17	124.77
22	5	307	CLA	CMD-C2D-C1D	5.90	135.11	124.73
22	4	302	CLA	C2D-C1D-ND	5.89	115.96	110.13
22	A	820	CLA	CHD-C4C-C3C	-5.89	116.18	124.77
22	K	102	CLA	CMD-C2D-C1D	5.89	135.10	124.73
29	1	314	5X6	C39-C26-C25	-5.89	113.28	122.82
22	6	309	CLA	CMD-C2D-C1D	5.89	135.09	124.73
22	6	314	CLA	C2D-C1D-ND	5.88	115.95	110.13
22	L	205	CLA	C2D-C1D-ND	5.88	115.94	110.13
22	6	310	CLA	C2D-C1D-ND	5.87	115.94	110.13
29	7	318	5X6	C40-C22-C21	-5.87	113.30	122.82
22	B	807	CLA	C2D-C1D-ND	5.87	115.94	110.13
22	2	308	CLA	C4A-NA-C1A	-5.86	104.00	106.68
22	B	832	CLA	CHD-C4C-C3C	-5.86	116.22	124.77
22	A	816	CLA	CMD-C2D-C1D	5.86	135.05	124.73
22	B	826	CLA	O2D-CGD-CBD	5.86	121.48	111.23
29	7	314	5X6	C20-C19-C18	-5.86	111.53	123.52
22	B	804	CLA	CMD-C2D-C1D	5.85	135.04	124.73
22	5	302	CLA	CHD-C4C-C3C	-5.85	116.25	124.77
22	O	204	CLA	C2D-C1D-ND	5.85	115.91	110.13
22	B	804	CLA	CHD-C4C-C3C	-5.84	116.25	124.77
22	4	308	CLA	CMD-C2D-C1D	5.84	135.02	124.73
22	2	307	CLA	C2D-C1D-ND	5.84	115.91	110.13
29	5	321	5X6	C19-C20-C21	-5.84	111.56	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	O	207	5X6	C27-C26-C25	-5.84	109.82	119.01
22	6	304	CLA	CMD-C2D-C1D	5.84	135.01	124.73
22	A	831	CLA	CHD-C4C-C3C	-5.84	116.26	124.77
22	7	313	CLA	C2D-C1D-ND	5.84	115.90	110.13
22	2	310	CLA	C2D-C1D-ND	5.83	115.90	110.13
22	B	850	CLA	C2D-C1D-ND	5.83	115.90	110.13
22	7	304	CLA	C2D-C1D-ND	5.83	115.89	110.13
22	B	838	CLA	O2D-CGD-CBD	5.82	121.41	111.23
22	F	206	CLA	O2D-CGD-CBD	5.82	121.41	111.23
29	J	104	5X6	C20-C19-C18	-5.82	111.61	123.52
22	B	839	CLA	CMD-C2D-C1D	5.82	134.97	124.73
29	2	314	5X6	C39-C26-C25	-5.82	113.39	122.82
22	4	303	CLA	CMD-C2D-C1D	5.81	134.97	124.73
22	B	826	CLA	CHD-C4C-C3C	-5.81	116.30	124.77
22	6	303	CLA	CMD-C2D-C1D	5.81	134.96	124.73
22	A	859	CLA	CMD-C2D-C1D	5.81	134.95	124.73
29	1	311	5X6	C16-C17-C18	-5.81	109.88	119.01
22	A	802	CLA	O2D-CGD-CBD	5.80	121.37	111.23
22	B	815	CLA	C2D-C1D-ND	5.80	115.86	110.13
22	F	204	CLA	CHD-C4C-C3C	-5.80	116.32	124.77
29	M	101	5X6	C12-C11-C03	-5.80	111.52	127.00
29	1	311	5X6	C19-C20-C21	-5.79	111.67	123.52
22	B	837	CLA	CMD-C2D-C1D	5.79	134.92	124.73
22	A	813	CLA	CMD-C2D-C1D	5.78	134.91	124.73
22	7	311	CLA	C2D-C1D-ND	5.78	115.85	110.13
22	4	302	CLA	CMD-C2D-C1D	5.78	134.91	124.73
29	5	313	5X6	C19-C18-C17	-5.78	119.17	127.28
22	F	206	CLA	CMD-C2D-C1D	5.78	134.90	124.73
22	6	311	CLA	CHD-C4C-C3C	-5.77	116.35	124.77
22	A	823	CLA	CHD-C4C-C3C	-5.77	116.36	124.77
22	B	808	CLA	CHD-C4C-C3C	-5.76	116.37	124.77
22	A	802	CLA	CHD-C4C-C3C	-5.76	116.37	124.77
22	B	807	CLA	O2D-CGD-CBD	5.76	121.31	111.23
29	6	317	5X6	C20-C19-C18	-5.76	111.73	123.52
22	B	835	CLA	CHD-C4C-C3C	-5.76	116.37	124.77
22	A	812	CLA	CHD-C4C-C3C	-5.76	116.38	124.77
22	B	823	CLA	C2D-C1D-ND	5.76	115.83	110.13
22	A	820	CLA	O2D-CGD-CBD	5.76	121.30	111.23
22	B	810	CLA	CHD-C4C-C3C	-5.76	116.38	124.77
29	4	315	5X6	C42-C13-C14	-5.76	113.49	122.82
22	B	824	CLA	CHD-C4C-C3C	-5.76	116.38	124.77
22	B	819	CLA	CMD-C2D-C1D	5.75	134.86	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	306	CLA	C2D-C1D-ND	5.75	115.82	110.13
22	B	812	CLA	C2D-C1D-ND	5.75	115.82	110.13
22	5	310	CLA	C2D-C1D-ND	5.75	115.82	110.13
22	B	818	CLA	CMD-C2D-C1D	5.75	134.85	124.73
22	4	311	CLA	CHD-C4C-C3C	-5.74	116.40	124.77
22	L	204	CLA	CHD-C4C-C3C	-5.74	116.40	124.77
22	5	305	CLA	C2D-C1D-ND	5.74	115.81	110.13
22	1	308	CLA	C2D-C1D-ND	5.74	115.81	110.13
22	6	304	CLA	CHD-C4C-C3C	-5.74	116.41	124.77
22	6	307	CLA	C2D-C1D-ND	5.74	115.80	110.13
22	A	811	CLA	CMD-C2D-C1D	5.73	134.83	124.73
22	B	836	CLA	CHD-C4C-C3C	-5.73	116.42	124.77
22	4	310	CLA	C2D-C1D-ND	5.73	115.80	110.13
29	7	314	5X6	C40-C22-C21	-5.73	113.54	122.82
22	3	302	CLA	C2D-C1D-ND	5.73	115.79	110.13
29	5	314	5X6	C41-C17-C18	-5.71	113.56	122.82
22	7	309	CLA	C4A-NA-C1A	-5.71	104.07	106.68
29	6	316	5X6	C19-C20-C21	-5.71	111.84	123.52
22	B	811	CLA	CMD-C2D-C1D	5.71	134.78	124.73
29	6	317	5X6	C27-C28-C29	-5.71	111.75	127.00
29	5	314	5X6	C40-C22-C21	-5.71	113.57	122.82
22	A	823	CLA	O2D-CGD-CBD	5.71	121.21	111.23
22	A	857	CLA	CHD-C4C-C3C	-5.71	116.45	124.77
22	5	301	CLA	C2D-C1D-ND	5.70	115.77	110.13
29	7	316	5X6	C42-C13-C14	-5.70	113.58	122.82
22	5	309	CLA	CHD-C4C-C3C	-5.70	116.46	124.77
29	O	208	5X6	C39-C26-C25	-5.70	113.58	122.82
22	B	820	CLA	O2D-CGD-CBD	5.70	121.20	111.23
29	1	313	5X6	C23-C22-C21	-5.70	110.04	119.01
22	A	839	CLA	CHD-C4C-C3C	-5.70	116.47	124.77
29	M	101	5X6	C27-C28-C29	-5.70	111.78	127.00
29	B	851	5X6	C11-C12-C13	-5.69	117.81	126.23
29	2	314	5X6	C40-C22-C21	-5.69	113.60	122.82
29	Z	206	5X6	C20-C21-C22	-5.69	119.30	127.28
22	A	816	CLA	C2D-C1D-ND	5.69	115.76	110.13
22	2	311	CLA	C2D-C1D-ND	5.69	115.76	110.13
22	B	816	CLA	CMD-C2D-C1D	5.69	134.75	124.73
22	F	205	CLA	CMD-C2D-C1D	5.69	134.75	124.73
22	B	805	CLA	O2D-CGD-CBD	5.68	121.17	111.23
22	4	303	CLA	O2D-CGD-CBD	5.68	121.16	111.23
29	1	312	5X6	C27-C26-C25	-5.68	110.08	119.01
22	6	304	CLA	O2D-CGD-CBD	5.68	121.16	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	308	CLA	CHD-C4C-C3C	-5.68	116.49	124.77
22	5	311	CLA	C2D-C1D-ND	5.68	115.74	110.13
22	5	311	CLA	O2D-CGD-CBD	5.68	121.15	111.23
22	7	304	CLA	CHD-C4C-C3C	-5.67	116.50	124.77
22	6	309	CLA	C2D-C1D-ND	5.67	115.74	110.13
22	A	858	CLA	CHD-C4C-C3C	-5.67	116.51	124.77
29	J	104	5X6	C16-C17-C18	-5.66	110.10	119.01
22	2	303	CLA	C2D-C1D-ND	5.66	115.73	110.13
22	3	303	CLA	C2D-C1D-ND	5.66	115.73	110.13
22	3	304	CLA	C2D-C1D-ND	5.66	115.73	110.13
22	L	205	CLA	CHD-C4C-C3C	-5.66	116.52	124.77
29	O	207	5X6	C16-C17-C18	-5.66	110.11	119.01
22	B	831	CLA	O2D-CGD-CBD	5.66	121.12	111.23
29	4	314	5X6	C01-C02-C03	-5.66	118.31	124.48
22	4	312	CLA	C2D-C1D-ND	5.66	115.72	110.13
29	7	318	5X6	C28-C29-C30	-5.65	108.53	121.56
22	O	203	CLA	CHD-C4C-C3C	-5.65	116.53	124.77
29	O	208	5X6	C16-C17-C18	-5.65	110.12	119.01
22	K	101	CLA	C2D-C1D-ND	5.65	115.72	110.13
29	5	314	5X6	C12-C11-C03	-5.65	111.91	127.00
29	5	312	5X6	C39-C26-C25	-5.64	113.68	122.82
22	B	834	CLA	CHD-C4C-C3C	-5.64	116.55	124.77
22	B	834	CLA	O2D-CGD-CBD	5.64	121.08	111.23
29	6	317	5X6	C28-C29-C30	-5.63	108.58	121.56
22	A	835	CLA	O2D-CGD-CBD	5.63	121.08	111.23
29	1	314	5X6	C27-C28-C29	-5.63	111.96	127.00
22	J	102	CLA	C2D-C1D-ND	5.63	115.69	110.13
22	4	307	CLA	C2D-C1D-ND	5.62	115.69	110.13
22	A	827	CLA	C2D-C1D-ND	5.62	115.69	110.13
22	A	817	CLA	O2D-CGD-CBD	5.62	121.06	111.23
29	6	315	5X6	C23-C22-C21	-5.62	110.17	119.01
22	7	303	CLA	O2D-CGD-CBD	5.61	121.04	111.23
22	B	818	CLA	C2D-C1D-ND	5.61	115.68	110.13
22	B	809	CLA	C2C-C1C-NC	5.61	115.88	109.98
22	B	809	CLA	CMD-C2D-C1D	5.61	134.61	124.73
22	7	310	CLA	CMD-C2D-C1D	5.61	134.60	124.73
29	Z	206	5X6	C12-C13-C14	-5.61	110.19	119.01
22	A	848	CLA	CMD-C2D-C1D	5.60	134.59	124.73
29	6	317	5X6	C12-C11-C03	-5.60	112.05	127.00
29	4	315	5X6	C01-C02-C03	-5.60	118.38	124.48
22	4	304	CLA	C2D-C1D-ND	5.60	115.66	110.13
22	5	306	CLA	CMD-C2D-C1D	5.59	134.58	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	839	CLA	CHD-C4C-C3C	-5.59	116.62	124.77
29	5	314	5X6	C16-C17-C18	-5.59	110.22	119.01
29	5	312	5X6	C27-C26-C25	-5.59	110.22	119.01
29	4	314	5X6	C19-C20-C21	-5.58	112.10	123.52
22	Z	201	CLA	CHD-C4C-C3C	-5.58	116.64	124.77
22	6	312	CLA	C2D-C1D-ND	5.57	115.64	110.13
29	1	313	5X6	C41-C17-C18	-5.57	113.79	122.82
29	4	315	5X6	C39-C26-C25	-5.57	113.79	122.82
22	4	305	CLA	CMD-C2D-C1D	5.57	134.53	124.73
22	B	806	CLA	CHD-C4C-C3C	-5.57	116.66	124.77
29	M	101	5X6	C41-C17-C18	-5.56	113.80	122.82
22	1	310	CLA	CHD-C4C-C3C	-5.56	116.66	124.77
22	A	837	CLA	CHD-C4C-C3C	-5.56	116.66	124.77
22	A	822	CLA	CMD-C2D-C1D	5.56	134.52	124.73
22	B	808	CLA	CMD-C2D-C1D	5.56	134.52	124.73
29	2	313	5X6	C24-C25-C26	-5.56	119.48	127.28
22	A	823	CLA	CMD-C2D-C1D	5.56	134.51	124.73
22	A	818	CLA	CHD-C4C-C3C	-5.55	116.68	124.77
29	4	315	5X6	C19-C20-C21	-5.55	112.16	123.52
22	B	827	CLA	C2C-C1C-NC	5.55	115.81	109.98
21	A	801	CL0	CHA-C1A-C2A	-5.55	120.28	133.31
22	B	810	CLA	O2D-CGD-CBD	5.55	120.93	111.23
22	3	301	CLA	CHD-C4C-C3C	-5.55	116.69	124.77
29	6	315	5X6	C20-C19-C18	-5.55	112.17	123.52
22	A	818	CLA	CMD-C2D-C1D	5.54	134.49	124.73
22	7	304	CLA	C4A-NA-C1A	-5.54	104.15	106.68
29	1	316	5X6	C39-C26-C25	-5.54	113.84	122.82
22	B	813	CLA	CMD-C2D-C1D	5.54	134.49	124.73
29	5	312	5X6	C42-C13-C12	-5.54	109.62	118.09
29	7	317	5X6	C39-C26-C25	-5.54	113.84	122.82
22	Z	204	CLA	CHD-C4C-C3C	-5.54	116.70	124.77
22	1	309	CLA	C2D-C1D-ND	5.54	115.61	110.13
22	L	204	CLA	O2D-CGD-CBD	5.53	120.91	111.23
29	5	314	5X6	C42-C13-C14	-5.53	113.85	122.82
22	B	824	CLA	O2D-CGD-CBD	5.53	120.90	111.23
22	A	815	CLA	CMD-C2D-C1D	5.53	134.47	124.73
22	O	206	CLA	C2D-C1D-ND	5.53	115.60	110.13
29	2	314	5X6	C42-C13-C14	-5.53	113.86	122.82
22	5	307	CLA	CHD-C4C-C3C	-5.53	116.72	124.77
22	B	802	CLA	CHD-C4C-C3C	-5.52	116.72	124.77
22	5	302	CLA	CMD-C2D-C1D	5.52	134.45	124.73
22	2	306	CLA	O2D-CGD-CBD	5.52	120.88	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	803	CLA	CHD-C4C-C3C	-5.52	116.72	124.77
22	K	102	CLA	CHD-C4C-C3C	-5.52	116.72	124.77
22	B	835	CLA	CMD-C2D-C1D	5.52	134.45	124.73
22	A	815	CLA	CHD-C4C-C3C	-5.52	116.73	124.77
22	B	821	CLA	CHD-C4C-C3C	-5.52	116.73	124.77
22	B	817	CLA	CHD-C4C-C3C	-5.51	116.73	124.77
22	7	307	CLA	C2D-C1D-ND	5.51	115.58	110.13
29	4	313	5X6	C19-C20-C21	-5.51	112.24	123.52
22	A	859	CLA	CHD-C4C-C3C	-5.51	116.74	124.77
22	A	826	CLA	CMD-C2D-C1D	5.51	134.43	124.73
22	A	803	CLA	C2C-C1C-NC	5.50	115.76	109.98
22	A	824	CLA	CMD-C2D-C1D	5.50	134.42	124.73
22	A	859	CLA	C2C-C1C-NC	5.50	115.76	109.98
29	1	316	5X6	C19-C20-C21	-5.50	112.26	123.52
22	B	823	CLA	CHD-C4C-C3C	-5.50	116.75	124.77
22	A	830	CLA	O2D-CGD-CBD	5.50	120.84	111.23
22	A	813	CLA	CHD-C4C-C3C	-5.50	116.76	124.77
22	A	805	CLA	C2D-C1D-ND	5.49	115.56	110.13
22	A	819	CLA	CHD-C4C-C3C	-5.49	116.76	124.77
22	A	824	CLA	CHD-C4C-C3C	-5.49	116.76	124.77
22	2	304	CLA	C2B-C1B-NB	5.49	116.02	110.33
29	O	207	5X6	C20-C19-C18	-5.49	112.28	123.52
22	L	205	CLA	CMD-C2D-C1D	5.49	134.40	124.73
29	5	314	5X6	C19-C20-C21	-5.49	112.29	123.52
22	7	312	CLA	CHD-C4C-C3C	-5.49	116.77	124.77
22	B	825	CLA	CHD-C4C-C3C	-5.49	116.78	124.77
22	B	817	CLA	CMD-C2D-C1D	5.48	134.38	124.73
22	A	805	CLA	CHD-C4C-C3C	-5.48	116.79	124.77
22	A	829	CLA	O2D-CGD-CBD	5.47	120.80	111.23
29	1	312	5X6	C27-C28-C29	-5.47	112.38	127.00
22	A	821	CLA	CHD-C4C-C3C	-5.47	116.80	124.77
22	A	803	CLA	O2D-CGD-CBD	5.47	120.79	111.23
22	A	848	CLA	CHD-C4C-C3C	-5.46	116.81	124.77
22	2	306	CLA	C2D-C1D-ND	5.46	115.53	110.13
22	A	834	CLA	CHD-C4C-C3C	-5.46	116.81	124.77
22	1	310	CLA	O2D-CGD-CBD	5.46	120.77	111.23
29	5	314	5X6	C11-C12-C13	-5.46	118.16	126.23
29	5	313	5X6	C20-C19-C18	-5.46	112.36	123.52
22	O	206	CLA	O2D-CGD-CBD	5.46	120.77	111.23
22	B	827	CLA	O2D-CGD-CBD	5.45	120.76	111.23
22	A	814	CLA	CMD-C2D-C1D	5.45	134.33	124.73
22	B	823	CLA	CMD-C2D-C1D	5.45	134.32	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	829	CLA	CMD-C2D-C1D	5.44	134.32	124.73
22	7	309	CLA	CHD-C4C-C3C	-5.44	116.83	124.77
22	1	304	CLA	C2D-C1D-ND	5.44	115.51	110.13
22	7	308	CLA	C4A-NA-C1A	-5.44	104.20	106.68
29	4	315	5X6	C40-C22-C21	-5.44	114.00	122.82
22	B	836	CLA	CMD-C2D-C1D	5.44	134.30	124.73
29	1	313	5X6	C01-C02-C03	-5.44	118.55	124.48
22	6	306	CLA	CHD-C4C-C3C	-5.43	116.85	124.77
22	A	832	CLA	CMD-C2D-C1D	5.43	134.29	124.73
22	B	820	CLA	CMD-C2D-C1D	5.42	134.28	124.73
22	2	308	CLA	O2D-CGD-CBD	5.42	120.71	111.23
29	7	316	5X6	C39-C26-C25	-5.42	114.03	122.82
22	B	809	CLA	O2D-CGD-CBD	5.42	120.70	111.23
22	4	305	CLA	CHD-C4C-C3C	-5.42	116.87	124.77
22	4	303	CLA	C4A-NA-C1A	-5.42	104.21	106.68
29	7	317	5X6	C15-C16-C17	-5.42	111.51	126.36
22	O	204	CLA	CHD-C4C-C3C	-5.41	116.88	124.77
22	2	304	CLA	C2D-C1D-ND	5.41	115.48	110.13
29	7	317	5X6	C11-C03-C02	-5.41	109.09	121.56
22	L	203	CLA	CHD-C4C-C3C	-5.41	116.89	124.77
22	A	808	CLA	C4A-NA-C1A	-5.41	104.21	106.68
22	7	306	CLA	C3D-C4D-ND	5.41	118.78	109.99
22	B	810	CLA	CMD-C2D-C1D	5.41	134.25	124.73
22	5	303	CLA	CHD-C4C-C3C	-5.40	116.89	124.77
29	4	313	5X6	C40-C22-C21	-5.40	114.06	122.82
29	2	314	5X6	C23-C22-C21	-5.40	110.51	119.01
22	O	205	CLA	CHD-C4C-C3C	-5.40	116.89	124.77
22	B	813	CLA	CHD-C4C-C3C	-5.40	116.90	124.77
22	6	310	CLA	CMD-C2D-C1D	5.40	134.24	124.73
22	B	830	CLA	CHD-C4C-C3C	-5.40	116.90	124.77
22	1	304	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
29	7	318	5X6	C41-C17-C18	-5.39	114.08	122.82
22	3	305	CLA	CHD-C4C-C3C	-5.39	116.91	124.77
22	A	836	CLA	C2C-C1C-NC	5.39	115.64	109.98
22	6	305	CLA	CHD-C4C-C3C	-5.39	116.91	124.77
29	2	313	5X6	C40-C22-C21	-5.39	114.08	122.82
22	B	836	CLA	C2C-C1C-NC	5.39	115.64	109.98
22	3	305	CLA	C2B-C1B-NB	5.38	115.91	110.33
22	7	305	CLA	C4A-NA-C1A	-5.38	104.22	106.68
22	2	303	CLA	O2D-CGD-CBD	5.38	120.63	111.23
22	B	817	CLA	O2D-CGD-CBD	5.37	120.62	111.23
29	7	316	5X6	C12-C11-C03	-5.37	112.64	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	305	CLA	O2D-CGD-CBD	5.37	120.62	111.23
22	4	311	CLA	O2D-CGD-CBD	5.37	120.62	111.23
22	6	311	CLA	CMD-C2D-C1D	5.37	134.19	124.73
29	1	312	5X6	C15-C16-C17	-5.37	111.64	126.36
22	A	806	CLA	CHD-C4C-C3C	-5.37	116.94	124.77
22	A	833	CLA	CHD-C4C-C3C	-5.37	116.94	124.77
22	B	812	CLA	CHD-C4C-C3C	-5.37	116.95	124.77
22	A	825	CLA	CMD-C2D-C1D	5.37	134.18	124.73
22	5	311	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
22	3	302	CLA	CHD-C4C-C3C	-5.36	116.95	124.77
22	B	822	CLA	CHD-C4C-C3C	-5.36	116.96	124.77
29	O	208	5X6	C27-C26-C25	-5.36	110.58	119.01
29	4	314	5X6	C23-C22-C21	-5.36	110.58	119.01
29	4	314	5X6	C19-C18-C17	-5.36	119.76	127.28
22	6	310	CLA	O2D-CGD-CBD	5.36	120.60	111.23
22	B	829	CLA	CAA-C2A-C3A	-5.36	98.52	113.00
22	A	803	CLA	CHD-C4C-C3C	-5.35	116.97	124.77
22	Z	204	CLA	O2D-CGD-CBD	5.35	120.58	111.23
29	5	313	5X6	C19-C20-C21	-5.34	112.59	123.52
22	B	815	CLA	CHD-C4C-C3C	-5.34	116.99	124.77
29	J	104	5X6	C15-C14-C13	-5.34	119.79	127.28
22	2	311	CLA	C4A-NA-C1A	-5.34	104.24	106.68
22	A	810	CLA	CMD-C2D-C1D	5.34	134.13	124.73
22	5	308	CLA	CHD-C4C-C3C	-5.34	116.99	124.77
29	1	311	5X6	C20-C19-C18	-5.33	112.60	123.52
22	B	825	CLA	CMD-C2D-C1D	5.33	134.12	124.73
22	A	828	CLA	CMD-C2D-C1D	5.33	134.11	124.73
22	5	301	CLA	CMD-C2D-C1D	5.32	134.10	124.73
29	1	314	5X6	C12-C11-C03	-5.32	112.78	127.00
22	4	304	CLA	C2B-C1B-NB	5.32	115.84	110.33
29	6	316	5X6	C39-C26-C25	-5.32	114.20	122.82
22	B	828	CLA	CHD-C4C-C3C	-5.32	117.02	124.77
22	B	820	CLA	CHD-C4C-C3C	-5.32	117.02	124.77
22	A	808	CLA	CMD-C2D-C1D	5.32	134.09	124.73
22	6	310	CLA	CHD-C4C-C3C	-5.32	117.02	124.77
22	F	204	CLA	CMD-C2D-C1D	5.32	134.09	124.73
22	B	805	CLA	CHD-C4C-C3C	-5.31	117.03	124.77
22	B	838	CLA	CHD-C4C-C3C	-5.31	117.03	124.77
29	4	313	5X6	C27-C26-C25	-5.31	110.66	119.01
22	7	305	CLA	C2D-C1D-ND	5.31	115.38	110.13
22	K	101	CLA	CHD-C4C-C3C	-5.30	117.04	124.77
22	4	303	CLA	C2B-C1B-NB	5.30	115.82	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	849	CLA	CHD-C4C-C3C	-5.30	117.05	124.77
22	B	831	CLA	CHD-C4C-C3C	-5.30	117.05	124.77
22	A	839	CLA	CMD-C2D-C1D	5.30	134.06	124.73
22	7	305	CLA	C2B-C1B-NB	5.30	115.82	110.33
22	A	829	CLA	CHD-C4C-C3C	-5.30	117.05	124.77
22	4	307	CLA	CHD-C4C-C3C	-5.30	117.05	124.77
22	6	314	CLA	CHD-C4C-C3C	-5.29	117.06	124.77
22	7	305	CLA	C3B-C2B-C1B	-5.29	100.94	107.17
22	7	308	CLA	C2D-C1D-ND	5.29	115.36	110.13
22	6	308	CLA	O2D-CGD-CBD	5.29	120.47	111.23
29	O	208	5X6	C12-C11-C03	-5.28	112.88	127.00
29	1	313	5X6	C42-C13-C14	-5.28	114.26	122.82
22	B	826	CLA	CMD-C2D-C1D	5.28	134.03	124.73
29	4	314	5X6	C20-C19-C18	-5.28	112.72	123.52
22	2	311	CLA	CHD-C4C-C3C	-5.28	117.08	124.77
22	B	830	CLA	O2D-CGD-CBD	5.28	120.46	111.23
22	2	307	CLA	C2B-C1B-NB	5.28	115.80	110.33
22	B	838	CLA	CMD-C2D-C1D	5.28	134.02	124.73
29	1	312	5X6	C12-C11-C03	-5.28	112.91	127.00
22	L	203	CLA	O2D-CGD-CBD	5.27	120.45	111.23
29	3	306	5X6	C23-C22-C21	-5.27	110.72	119.01
22	2	304	CLA	O2D-CGD-CBD	5.27	120.45	111.23
22	O	204	CLA	O2D-CGD-CBD	5.27	120.44	111.23
22	B	832	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
22	K	102	CLA	O2D-CGD-CBD	5.27	120.44	111.23
22	B	806	CLA	CMD-C2D-C1D	5.27	134.00	124.73
22	B	802	CLA	C3B-C2B-C1B	-5.26	100.96	107.17
22	A	837	CLA	CMD-C2D-C1D	5.26	134.00	124.73
22	A	808	CLA	CHD-C4C-C3C	-5.26	117.10	124.77
22	L	205	CLA	O2D-CGD-CBD	5.26	120.42	111.23
22	3	301	CLA	O2D-CGD-CBD	5.26	120.42	111.23
29	6	317	5X6	C19-C20-C21	-5.25	112.77	123.52
22	B	833	CLA	CHD-C4C-C3C	-5.25	117.11	124.77
22	B	822	CLA	C2C-C1C-NC	5.25	115.50	109.98
22	6	313	CLA	CHD-C4C-C3C	-5.25	117.12	124.77
22	B	835	CLA	C3B-C2B-C1B	-5.25	100.98	107.17
22	B	811	CLA	C3B-C2B-C1B	-5.25	100.98	107.17
22	7	313	CLA	C2B-C1B-NB	5.25	115.77	110.33
22	A	814	CLA	CHD-C4C-C3C	-5.25	117.12	124.77
22	6	303	CLA	CHD-C4C-C3C	-5.25	117.12	124.77
22	7	313	CLA	O2D-CGD-CBD	5.25	120.40	111.23
22	B	803	CLA	C2C-C1C-NC	5.25	115.49	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	2	307	CLA	O2D-CGD-CBD	5.25	120.40	111.23
29	4	315	5X6	C41-C17-C18	-5.24	114.32	122.82
22	7	309	CLA	C2B-C1B-NB	5.24	115.76	110.33
22	A	821	CLA	CMD-C2D-C1D	5.24	133.96	124.73
22	B	829	CLA	CMD-C2D-C1D	5.24	133.96	124.73
22	A	806	CLA	O2D-CGD-CBD	5.24	120.39	111.23
22	2	305	CLA	C2B-C1B-NB	5.24	115.76	110.33
22	A	811	CLA	CHD-C4C-C3C	-5.24	117.13	124.77
22	2	308	CLA	CHD-C4C-C3C	-5.24	117.14	124.77
22	A	836	CLA	CHD-C4C-C3C	-5.24	117.14	124.77
22	7	311	CLA	CHD-C4C-C3C	-5.24	117.14	124.77
29	O	207	5X6	C12-C13-C14	-5.24	110.77	119.01
22	A	816	CLA	CHD-C4C-C3C	-5.24	117.14	124.77
22	2	310	CLA	CHD-C4C-C3C	-5.23	117.14	124.77
22	A	809	CLA	CHD-C4C-C3C	-5.23	117.14	124.77
22	1	305	CLA	CHD-C4C-C3C	-5.23	117.15	124.77
29	B	851	5X6	C16-C17-C18	-5.23	110.78	119.01
29	7	317	5X6	C27-C28-C29	-5.23	113.03	127.00
22	7	306	CLA	C4A-NA-C1A	-5.23	104.29	106.68
22	A	820	CLA	CMD-C2D-C1D	5.22	133.93	124.73
22	1	303	CLA	CHD-C4C-C3C	-5.22	117.16	124.77
22	4	304	CLA	C4A-NA-C1A	-5.22	104.30	106.68
22	7	303	CLA	C2D-C1D-ND	5.22	115.29	110.13
22	3	305	CLA	O2D-CGD-CBD	5.22	120.36	111.23
25	K	103	BCR	C16-C15-C14	5.22	134.20	123.52
22	2	311	CLA	C2B-C1B-NB	5.22	115.74	110.33
22	5	301	CLA	CHD-C4C-C3C	-5.21	117.17	124.77
22	5	310	CLA	CHD-C4C-C3C	-5.21	117.17	124.77
22	A	802	CLA	CMD-C2D-C1D	5.21	133.91	124.73
22	7	308	CLA	CHD-C4C-C3C	-5.21	117.17	124.77
22	B	807	CLA	CHD-C4C-C3C	-5.21	117.17	124.77
29	6	317	5X6	C24-C23-C22	-5.20	112.09	126.36
22	4	309	CLA	CHD-C4C-C3C	-5.20	117.19	124.77
22	6	309	CLA	CHD-C4C-C3C	-5.20	117.19	124.77
22	7	313	CLA	CHD-C4C-C3C	-5.20	117.19	124.77
29	7	315	5X6	C20-C19-C18	-5.20	112.88	123.52
22	B	805	CLA	CMD-C2D-C1D	5.20	133.88	124.73
29	2	312	5X6	C41-C17-C18	-5.20	114.40	122.82
22	A	810	CLA	CHD-C4C-C3C	-5.19	117.20	124.77
29	2	313	5X6	C23-C22-C21	-5.19	110.84	119.01
22	A	857	CLA	CMD-C2D-C1D	5.19	133.87	124.73
22	B	829	CLA	CHD-C4C-C3C	-5.19	117.21	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	830	CLA	CHD-C4C-C3C	-5.19	117.21	124.77
29	5	312	5X6	C16-C17-C18	-5.19	110.85	119.01
22	A	823	CLA	C2C-C1C-NC	5.18	115.42	109.98
22	7	306	CLA	O2D-CGD-CBD	5.18	120.29	111.23
22	B	811	CLA	C4A-NA-C1A	-5.18	104.32	106.68
29	1	316	5X6	C24-C23-C22	-5.18	112.17	126.36
22	A	819	CLA	CMD-C2D-C1D	5.18	133.84	124.73
22	A	820	CLA	C3D-C2D-C1D	-5.17	98.77	105.83
22	B	804	CLA	C2B-C1B-NB	5.17	115.69	110.33
22	A	807	CLA	CHD-C4C-C3C	-5.17	117.24	124.77
29	5	313	5X6	C16-C17-C18	-5.17	110.88	119.01
22	B	828	CLA	CMD-C2D-C1D	5.16	133.82	124.73
22	5	304	CLA	CHD-C4C-C3C	-5.16	117.25	124.77
25	J	103	BCR	C20-C21-C22	5.16	134.51	127.28
29	7	316	5X6	C41-C17-C18	-5.16	114.46	122.82
22	B	814	CLA	CHD-C4C-C3C	-5.16	117.25	124.77
22	4	310	CLA	C2B-C1B-NB	5.16	115.67	110.33
29	4	314	5X6	C42-C13-C12	-5.16	110.21	118.09
22	B	816	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
29	6	317	5X6	C39-C26-C27	-5.16	110.21	118.09
29	7	315	5X6	C12-C11-C03	-5.16	113.22	127.00
29	M	101	5X6	C19-C20-C21	-5.16	112.97	123.52
22	B	850	CLA	C2C-C1C-NC	5.15	115.39	109.98
29	7	316	5X6	C24-C23-C22	-5.15	112.24	126.36
22	1	307	CLA	CHD-C4C-C3C	-5.15	117.26	124.77
22	B	814	CLA	O2D-CGD-CBD	5.15	120.23	111.23
22	A	857	CLA	C2C-C1C-NC	5.15	115.39	109.98
22	B	821	CLA	C4A-NA-C1A	-5.15	104.33	106.68
22	7	308	CLA	C2B-C1B-NB	5.15	115.66	110.33
29	1	316	5X6	C40-C22-C21	-5.15	114.48	122.82
29	4	315	5X6	C12-C11-C03	-5.15	113.25	127.00
22	B	802	CLA	C2C-C1C-NC	5.15	115.39	109.98
22	A	822	CLA	CAC-C3C-C4C	5.14	131.48	124.79
22	A	807	CLA	C2C-C1C-NC	5.14	115.38	109.98
22	A	838	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
29	7	315	5X6	C27-C28-C29	-5.14	113.27	127.00
29	4	314	5X6	C27-C26-C25	-5.14	110.93	119.01
22	6	314	CLA	O2D-CGD-CBD	5.13	120.20	111.23
22	A	836	CLA	CMD-C2D-C1D	5.13	133.76	124.73
29	1	313	5X6	C40-C22-C21	-5.13	114.50	122.82
22	6	309	CLA	C2B-C1B-NB	5.13	115.65	110.33
22	6	313	CLA	C2B-C1B-NB	5.13	115.65	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	308	CLA	C2B-C1B-NB	5.13	115.64	110.33
22	5	306	CLA	CHD-C4C-C3C	-5.13	117.30	124.77
22	B	804	CLA	C3B-C2B-C1B	-5.12	101.13	107.17
22	B	819	CLA	CHD-C4C-C3C	-5.12	117.30	124.77
22	A	822	CLA	C2C-C1C-NC	5.12	115.36	109.98
22	6	307	CLA	C2C-C1C-NC	5.12	115.36	109.98
22	A	827	CLA	C2C-C1C-NC	5.12	115.36	109.98
22	B	818	CLA	C2C-C1C-NC	5.12	115.36	109.98
29	4	313	5X6	C39-C26-C25	-5.12	114.52	122.82
22	7	305	CLA	CHD-C4C-C3C	-5.12	117.31	124.77
29	1	311	5X6	C11-C03-C02	-5.12	109.76	121.56
22	O	206	CLA	C2B-C1B-NB	5.12	115.63	110.33
29	O	208	5X6	C20-C19-C18	-5.12	113.05	123.52
22	A	825	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
29	B	851	5X6	C12-C11-C03	-5.11	113.34	127.00
22	A	808	CLA	O2D-CGD-CBD	5.11	120.17	111.23
29	5	313	5X6	C23-C22-C21	-5.11	110.97	119.01
22	4	307	CLA	C3B-C2B-C1B	-5.11	101.15	107.17
29	J	104	5X6	C39-C26-C25	-5.11	114.54	122.82
22	L	204	CLA	CMD-C2D-C1D	5.10	133.72	124.73
22	6	312	CLA	CHD-C4C-C3C	-5.10	117.34	124.77
22	A	820	CLA	C2C-C1C-NC	5.10	115.34	109.98
22	A	836	CLA	O2D-CGD-CBD	5.10	120.14	111.23
22	A	835	CLA	C2C-C1C-NC	5.09	115.33	109.98
22	A	807	CLA	CMD-C2D-C1D	5.09	133.69	124.73
29	7	317	5X6	C40-C22-C21	-5.09	114.57	122.82
22	2	306	CLA	C2B-C1B-NB	5.09	115.61	110.33
22	A	832	CLA	CHD-C4C-C3C	-5.09	117.35	124.77
22	1	308	CLA	CHD-C4C-C3C	-5.09	117.35	124.77
29	1	311	5X6	C12-C11-C03	-5.09	113.41	127.00
29	1	316	5X6	C11-C03-C02	-5.08	109.85	121.56
22	F	204	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
22	5	302	CLA	O2D-CGD-CBD	5.08	120.11	111.23
22	B	803	CLA	CMD-C2D-C1D	5.08	133.67	124.73
22	B	806	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
22	4	311	CLA	C2B-C1B-NB	5.08	115.59	110.33
22	1	304	CLA	CHD-C4C-C3C	-5.08	117.37	124.77
22	1	309	CLA	O2D-CGD-CBD	5.08	120.11	111.23
22	O	206	CLA	C3B-C2B-C1B	-5.08	101.19	107.17
22	4	302	CLA	CHD-C4C-C3C	-5.08	117.37	124.77
22	B	824	CLA	CMD-C2D-C1D	5.08	133.67	124.73
29	4	313	5X6	C16-C17-C18	-5.08	111.02	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	303	CLA	C2B-C1B-NB	5.08	115.59	110.33
22	2	305	CLA	C3D-C4D-ND	5.08	118.24	109.99
22	3	305	CLA	C4A-NA-C1A	-5.07	104.36	106.68
29	2	313	5X6	C12-C13-C14	-5.07	111.03	119.01
29	7	318	5X6	C16-C17-C18	-5.07	111.03	119.01
29	5	313	5X6	C40-C22-C21	-5.07	114.60	122.82
22	B	802	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
29	7	314	5X6	C39-C26-C25	-5.07	114.61	122.82
29	2	312	5X6	C16-C17-C18	-5.07	111.04	119.01
22	B	837	CLA	CHD-C4C-C3C	-5.07	117.39	124.77
22	B	836	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
29	M	101	5X6	C24-C23-C22	-5.06	112.49	126.36
29	5	312	5X6	C42-C13-C14	-5.06	114.62	122.82
22	A	827	CLA	CHD-C4C-C3C	-5.05	117.40	124.77
22	B	819	CLA	C4A-NA-C1A	-5.05	104.37	106.68
22	1	306	CLA	CHD-C4C-C3C	-5.05	117.41	124.77
22	7	304	CLA	C2B-C1B-NB	5.05	115.56	110.33
29	O	207	5X6	C42-C13-C14	-5.05	114.64	122.82
22	6	311	CLA	C3B-C2B-C1B	-5.05	101.22	107.17
22	2	307	CLA	CHD-C4C-C3C	-5.05	117.41	124.77
29	7	314	5X6	C42-C13-C14	-5.05	114.64	122.82
22	B	813	CLA	CAC-C3C-C4C	5.05	131.36	124.79
22	3	304	CLA	CHD-C4C-C3C	-5.04	117.42	124.77
22	A	806	CLA	C2C-C1C-NC	5.04	115.28	109.98
22	A	805	CLA	C2C-C1C-NC	5.04	115.28	109.98
22	1	310	CLA	C3D-C4D-ND	5.04	118.18	109.99
22	6	311	CLA	C2B-C1B-NB	5.04	115.55	110.33
29	6	316	5X6	C41-C17-C18	-5.04	114.66	122.82
22	L	204	CLA	C3B-C2B-C1B	-5.04	101.23	107.17
22	A	828	CLA	C2C-C1C-NC	5.03	115.27	109.98
22	A	818	CLA	C2C-C1C-NC	5.03	115.27	109.98
22	B	829	CLA	C2C-C1C-NC	5.03	115.27	109.98
29	O	207	5X6	C40-C22-C21	-5.03	114.67	122.82
22	B	839	CLA	C3B-C2B-C1B	-5.03	101.24	107.17
22	Z	201	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
29	6	317	5X6	C42-C13-C14	-5.03	114.67	122.82
22	2	308	CLA	C3D-C4D-ND	5.03	118.16	109.99
22	5	311	CLA	C2B-C1B-NB	5.03	115.54	110.33
22	B	808	CLA	C3D-C2D-C1D	-5.02	98.97	105.83
22	4	304	CLA	C3B-C2B-C1B	-5.02	101.25	107.17
22	2	303	CLA	C2B-C1B-NB	5.02	115.53	110.33
22	A	804	CLA	C3D-C2D-C1D	-5.02	98.98	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	7	307	CLA	C2B-C1B-NB	5.02	115.53	110.33
22	B	802	CLA	CMD-C2D-C1D	5.02	133.57	124.73
22	5	308	CLA	C2B-C1B-NB	5.02	115.53	110.33
21	A	801	CL0	CMA-C3A-C4A	-5.01	103.81	114.61
29	7	315	5X6	C42-C13-C14	-5.01	114.69	122.82
22	A	809	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
22	A	830	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
22	7	303	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
22	A	858	CLA	CMD-C2D-C1D	5.01	133.55	124.73
22	7	304	CLA	O2D-CGD-CBD	5.01	119.99	111.23
22	3	301	CLA	C2B-C1B-NB	5.01	115.52	110.33
22	4	312	CLA	CHD-C4C-C3C	-5.01	117.47	124.77
29	1	314	5X6	C15-C16-C17	-5.01	112.64	126.36
22	1	310	CLA	C2B-C1B-NB	5.01	115.52	110.33
25	Z	205	BCR	C8-C9-C10	5.01	126.88	119.01
22	A	834	CLA	C4A-NA-C1A	-5.00	104.40	106.68
22	4	309	CLA	C4A-NA-C1A	-5.00	104.40	106.68
22	3	304	CLA	C2B-C1B-NB	5.00	115.51	110.33
22	B	826	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
29	7	314	5X6	C11-C03-C02	-5.00	110.04	121.56
22	A	826	CLA	C2C-C1C-NC	5.00	115.23	109.98
22	Z	204	CLA	C2C-C1C-NC	5.00	115.23	109.98
22	L	203	CLA	C2C-C1C-NC	5.00	115.23	109.98
22	6	314	CLA	C2B-C1B-NB	5.00	115.51	110.33
29	5	312	5X6	C20-C19-C18	-4.99	113.30	123.52
22	6	313	CLA	C3B-C2B-C1B	-4.99	101.28	107.17
22	A	837	CLA	C3D-C4D-ND	4.99	118.10	109.99
22	A	837	CLA	C3D-C2D-C1D	-4.99	99.02	105.83
22	1	303	CLA	O2D-CGD-CBD	4.99	119.96	111.23
22	A	830	CLA	CMD-C2D-C1D	4.99	133.51	124.73
22	A	830	CLA	C2C-C1C-NC	4.99	115.22	109.98
29	M	101	5X6	C20-C19-C18	-4.99	113.32	123.52
22	A	811	CLA	C3D-C2D-C1D	-4.99	99.03	105.83
22	5	309	CLA	C4A-NA-C1A	-4.98	104.41	106.68
29	1	313	5X6	C27-C28-C29	-4.98	113.69	127.00
22	A	817	CLA	CHD-C4C-C3C	-4.98	117.51	124.77
22	B	838	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
22	4	311	CLA	C4A-NA-C1A	-4.98	104.41	106.68
22	3	303	CLA	O2D-CGD-CBD	4.98	119.94	111.23
22	A	836	CLA	C3B-C2B-C1B	-4.98	101.30	107.17
22	7	312	CLA	O2D-CGD-CBD	4.98	119.93	111.23
22	5	302	CLA	C3D-C4D-ND	4.98	118.08	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	813	CLA	O2D-CGD-CBD	4.98	119.93	111.23
22	7	312	CLA	C2B-C1B-NB	4.97	115.48	110.33
22	2	305	CLA	C3B-C2B-C1B	-4.97	101.31	107.17
22	B	821	CLA	CMD-C2D-C1D	4.97	133.49	124.73
22	B	818	CLA	CHD-C4C-C3C	-4.97	117.52	124.77
22	B	824	CLA	C2C-C1C-NC	4.97	115.20	109.98
22	B	809	CLA	CHD-C4C-C3C	-4.97	117.53	124.77
22	1	302	CLA	CHD-C4C-C3C	-4.97	117.53	124.77
29	5	313	5X6	C42-C13-C12	-4.97	110.50	118.09
22	2	310	CLA	O2D-CGD-CBD	4.96	119.91	111.23
22	7	309	CLA	O2D-CGD-CBD	4.96	119.91	111.23
22	K	101	CLA	C2B-C1B-NB	4.96	115.47	110.33
22	3	302	CLA	O2D-CGD-CBD	4.96	119.91	111.23
29	2	312	5X6	C27-C26-C25	-4.96	111.20	119.01
29	3	306	5X6	C42-C13-C14	-4.96	114.78	122.82
22	B	807	CLA	C2B-C1B-NB	4.96	115.47	110.33
22	Z	204	CLA	C3B-C2B-C1B	-4.96	101.32	107.17
22	6	305	CLA	C3B-C2B-C1B	-4.96	101.32	107.17
29	5	313	5X6	C12-C11-C03	-4.95	113.76	127.00
29	5	321	5X6	C40-C22-C21	-4.95	114.79	122.82
22	A	815	CLA	C4A-NA-C1A	-4.95	104.42	106.68
22	2	303	CLA	CHD-C4C-C3C	-4.95	117.55	124.77
22	2	302	CLA	CHD-C4C-C3C	-4.95	117.55	124.77
22	3	305	CLA	C3D-C4D-ND	4.95	118.04	109.99
22	J	102	CLA	CHD-C4C-C3C	-4.95	117.56	124.77
22	K	101	CLA	C3B-C2B-C1B	-4.95	101.34	107.17
29	B	851	5X6	C19-C20-C21	-4.95	113.40	123.52
29	5	321	5X6	C23-C22-C21	-4.95	111.23	119.01
22	5	301	CLA	C2C-C1C-NC	4.94	115.17	109.98
29	B	851	5X6	C01-C02-C03	-4.94	119.09	124.48
22	A	811	CLA	CAC-C3C-C4C	4.94	131.22	124.79
29	5	321	5X6	C39-C26-C25	-4.94	114.82	122.82
22	7	303	CLA	C2B-C1B-NB	4.94	115.45	110.33
22	B	850	CLA	CHD-C4C-C3C	-4.94	117.58	124.77
22	B	821	CLA	C3D-C4D-ND	4.93	118.01	109.99
22	5	310	CLA	C2B-C1B-NB	4.93	115.44	110.33
22	B	804	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
29	2	312	5X6	C20-C19-C18	-4.93	113.42	123.52
22	4	307	CLA	C2C-C1C-NC	4.93	115.16	109.98
22	A	826	CLA	C3C-C4C-NC	4.93	116.75	110.43
22	A	858	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
22	7	311	CLA	O2D-CGD-CBD	4.93	119.84	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	838	CLA	C2C-C1C-NC	4.93	115.16	109.98
22	6	303	CLA	C2C-C1C-NC	4.93	115.16	109.98
22	4	302	CLA	C2B-C1B-NB	4.92	115.43	110.33
29	Z	206	5X6	C39-C26-C25	-4.92	114.85	122.82
22	4	309	CLA	C2B-C1B-NB	4.92	115.43	110.33
22	B	801	CLA	CHD-C4C-C3C	-4.92	117.60	124.77
22	B	829	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
22	A	821	CLA	C2C-C1C-NC	4.92	115.15	109.98
22	B	827	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
22	B	830	CLA	C2C-C1C-NC	4.91	115.14	109.98
22	A	817	CLA	CMD-C2D-C1D	4.91	133.37	124.73
22	7	304	CLA	C3D-C4D-ND	4.91	117.97	109.99
22	4	306	CLA	C2B-C1B-NB	4.91	115.42	110.33
29	1	312	5X6	C12-C13-C14	-4.91	111.29	119.01
22	5	304	CLA	C3D-C4D-ND	4.90	117.96	109.99
22	A	857	CLA	O2D-CGD-O1D	-4.90	114.30	123.85
22	A	813	CLA	C2C-C1C-NC	4.90	115.13	109.98
22	2	309	CLA	CHD-C4C-C3C	-4.90	117.63	124.77
22	A	810	CLA	C2C-C1C-NC	4.90	115.13	109.98
29	2	312	5X6	C40-C22-C21	-4.89	114.89	122.82
29	2	314	5X6	C15-C16-C17	-4.89	112.94	126.36
22	1	305	CLA	C2B-C1B-NB	4.89	115.40	110.33
22	1	310	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
22	2	303	CLA	C3B-C2B-C1B	-4.89	101.41	107.17
22	3	302	CLA	C4A-NA-C1A	-4.89	104.45	106.68
22	1	304	CLA	O2D-CGD-CBD	4.89	119.77	111.23
22	B	831	CLA	C2C-C1C-NC	4.89	115.11	109.98
22	L	204	CLA	C2B-C1B-NB	4.89	115.39	110.33
22	4	303	CLA	C3D-C4D-ND	4.89	117.93	109.99
22	A	818	CLA	C3D-C2D-C1D	-4.89	99.16	105.83
29	5	321	5X6	C12-C11-C03	-4.88	113.95	127.00
22	B	823	CLA	O2D-CGD-CBD	4.88	119.77	111.23
22	4	308	CLA	C3D-C4D-ND	4.88	117.92	109.99
22	7	307	CLA	C4A-NA-C1A	-4.88	104.45	106.68
22	4	304	CLA	CHD-C4C-C3C	-4.88	117.66	124.77
29	1	314	5X6	C24-C23-C22	-4.88	112.98	126.36
22	5	307	CLA	O2D-CGD-CBD	4.88	119.76	111.23
22	B	837	CLA	C2C-C1C-NC	4.88	115.10	109.98
22	5	305	CLA	C2B-C1B-NB	4.88	115.38	110.33
29	6	316	5X6	C12-C11-C03	-4.88	113.97	127.00
29	1	312	5X6	C41-C17-C18	-4.87	114.92	122.82
22	3	301	CLA	C3D-C4D-ND	4.87	117.91	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	7	318	5X6	C23-C22-C21	-4.87	111.34	119.01
22	7	306	CLA	C2B-C1B-NB	4.87	115.38	110.33
22	K	101	CLA	O2D-CGD-CBD	4.87	119.74	111.23
22	A	820	CLA	C3D-C4D-ND	4.87	117.90	109.99
22	A	834	CLA	C3D-C4D-ND	4.87	117.90	109.99
22	6	313	CLA	O2D-CGD-CBD	4.87	119.74	111.23
22	4	310	CLA	C2C-C1C-NC	4.87	115.09	109.98
22	7	308	CLA	O2D-CGD-CBD	4.86	119.73	111.23
22	1	309	CLA	C2C-C1C-NC	4.86	115.09	109.98
22	2	304	CLA	CHD-C4C-C3C	-4.86	117.68	124.77
22	B	821	CLA	C2B-C1B-NB	4.86	115.37	110.33
22	A	802	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
22	6	308	CLA	CHD-C4C-C3C	-4.86	117.69	124.77
22	6	309	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
22	A	831	CLA	CMD-C2D-C1D	4.86	133.28	124.73
22	6	306	CLA	C3D-C4D-ND	4.86	117.88	109.99
22	B	850	CLA	O2D-CGD-CBD	4.86	119.72	111.23
29	Z	206	5X6	C28-C27-C26	-4.85	119.05	126.23
22	5	310	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
22	B	822	CLA	CMD-C2D-C1D	4.85	133.27	124.73
22	O	206	CLA	CHD-C4C-C3C	-4.85	117.70	124.77
22	B	831	CLA	C3D-C4D-ND	4.85	117.87	109.99
29	O	208	5X6	C19-C20-C21	-4.85	113.60	123.52
22	2	306	CLA	CAC-C3C-C4C	4.85	131.10	124.79
29	7	318	5X6	C19-C20-C21	-4.85	113.60	123.52
22	O	206	CLA	C2C-C1C-NC	4.85	115.07	109.98
29	1	313	5X6	C16-C17-C18	-4.85	111.38	119.01
22	A	804	CLA	CHD-C4C-C3C	-4.85	117.71	124.77
29	1	316	5X6	C42-C13-C14	-4.85	114.97	122.82
22	4	306	CLA	CHD-C4C-C3C	-4.84	117.71	124.77
29	4	313	5X6	C20-C19-C18	-4.84	113.61	123.52
29	7	315	5X6	C23-C22-C21	-4.84	111.39	119.01
29	5	314	5X6	C20-C19-C18	-4.84	113.61	123.52
29	1	314	5X6	C28-C29-C30	-4.84	110.41	121.56
29	5	321	5X6	C42-C13-C14	-4.84	114.97	122.82
22	3	301	CLA	C4A-NA-C1A	-4.84	104.47	106.68
22	A	858	CLA	C3D-C4D-ND	4.84	117.85	109.99
22	4	308	CLA	O2D-CGD-CBD	4.84	119.69	111.23
29	5	321	5X6	C27-C28-C29	-4.84	114.07	127.00
22	B	834	CLA	CMD-C2D-C1D	4.84	133.25	124.73
29	7	316	5X6	C12-C13-C14	-4.84	111.40	119.01
22	2	310	CLA	C2B-C1B-NB	4.83	115.34	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	5	305	CLA	O2D-CGD-CBD	4.83	119.68	111.23
22	A	826	CLA	C3D-C2D-C1D	-4.83	99.23	105.83
22	7	309	CLA	C3D-C4D-ND	4.83	117.84	109.99
29	2	312	5X6	C19-C20-C21	-4.83	113.63	123.52
22	5	311	CLA	CHD-C4C-C3C	-4.83	117.73	124.77
22	2	311	CLA	O2D-CGD-CBD	4.83	119.67	111.23
22	B	813	CLA	C3D-C2D-C1D	-4.83	99.25	105.83
22	B	831	CLA	CMD-C2D-C1D	4.82	133.22	124.73
22	7	306	CLA	CHD-C4C-C3C	-4.82	117.74	124.77
22	B	835	CLA	C3D-C2D-C1D	-4.82	99.25	105.83
29	1	316	5X6	C27-C26-C25	-4.82	111.43	119.01
22	B	817	CLA	C2B-C1B-NB	4.82	115.32	110.33
22	B	821	CLA	O2D-CGD-CBD	4.82	119.65	111.23
22	4	302	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
22	O	203	CLA	C2C-C1C-NC	4.82	115.04	109.98
22	L	203	CLA	C3D-C2D-C1D	-4.82	99.26	105.83
29	5	321	5X6	C12-C13-C14	-4.82	111.44	119.01
22	A	811	CLA	C2C-C1C-NC	4.81	115.04	109.98
29	2	313	5X6	C42-C13-C14	-4.81	115.02	122.82
29	6	317	5X6	C40-C22-C21	-4.81	115.02	122.82
22	F	205	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
22	B	849	CLA	C2C-C1C-NC	4.81	115.03	109.98
22	3	302	CLA	C2B-C1B-NB	4.81	115.31	110.33
22	F	206	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
29	2	312	5X6	C11-C03-C02	-4.81	110.48	121.56
22	B	811	CLA	CHD-C4C-C3C	-4.81	117.77	124.77
22	6	310	CLA	C2B-C1B-NB	4.80	115.31	110.33
29	3	306	5X6	C15-C16-C17	-4.80	113.19	126.36
22	B	811	CLA	C2B-C1B-NB	4.80	115.31	110.33
22	7	303	CLA	CAC-C3C-C4C	4.80	131.04	124.79
22	1	308	CLA	O2D-CGD-CBD	4.80	119.62	111.23
22	A	824	CLA	C3B-C2B-C1B	-4.80	101.51	107.17
22	B	816	CLA	C3B-C2B-C1B	-4.80	101.51	107.17
29	4	313	5X6	C42-C13-C14	-4.80	115.04	122.82
22	A	836	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
22	B	818	CLA	C3B-C2B-C1B	-4.80	101.52	107.17
22	L	204	CLA	C3D-C4D-ND	4.79	117.78	109.99
22	B	811	CLA	C2D-C1D-ND	4.79	114.87	110.13
22	B	814	CLA	C2C-C1C-NC	4.79	115.02	109.98
22	1	309	CLA	C2B-C1B-NB	4.79	115.30	110.33
22	1	305	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
29	5	314	5X6	C23-C22-C21	-4.79	111.47	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	312	CLA	C2B-C1B-NB	4.79	115.30	110.33
22	6	305	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
22	B	810	CLA	C3D-C4D-ND	4.79	117.77	109.99
22	A	827	CLA	C3B-C2B-C1B	-4.79	101.52	107.17
29	3	306	5X6	C11-C03-C02	-4.79	110.52	121.56
29	7	316	5X6	C16-C17-C18	-4.79	111.48	119.01
22	5	311	CLA	C2C-C1C-NC	4.79	115.01	109.98
22	1	302	CLA	C3D-C4D-ND	4.79	117.77	109.99
22	B	828	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
22	5	305	CLA	CAC-C3C-C4C	4.79	131.02	124.79
22	2	308	CLA	C2B-C1B-NB	4.79	115.29	110.33
22	2	305	CLA	CHD-C4C-C3C	-4.79	117.80	124.77
22	J	102	CLA	C2B-C1B-NB	4.78	115.29	110.33
22	5	306	CLA	C2C-C1C-NC	4.78	115.00	109.98
22	A	802	CLA	C2B-C1B-NB	4.78	115.28	110.33
22	1	304	CLA	C2C-C1C-NC	4.78	115.00	109.98
29	6	316	5X6	C27-C26-C25	-4.78	111.49	119.01
22	B	805	CLA	C3D-C4D-ND	4.78	117.75	109.99
22	B	831	CLA	C3B-C2B-C1B	-4.78	101.54	107.17
22	A	857	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
22	A	833	CLA	C3D-C4D-ND	4.78	117.75	109.99
22	6	308	CLA	C2B-C1B-NB	4.78	115.28	110.33
22	L	205	CLA	C2B-C1B-NB	4.78	115.28	110.33
22	6	312	CLA	C2B-C1B-NB	4.78	115.28	110.33
29	1	311	5X6	C27-C28-C29	-4.77	114.25	127.00
29	2	312	5X6	C42-C13-C14	-4.77	115.09	122.82
22	4	305	CLA	C4-C3-C5	4.77	123.51	115.23
22	K	102	CLA	C2C-C1C-NC	4.77	114.99	109.98
22	6	308	CLA	C2C-C1C-NC	4.77	114.99	109.98
22	3	304	CLA	O2D-CGD-CBD	4.77	119.57	111.23
22	F	204	CLA	C3C-C4C-NC	4.77	116.54	110.43
29	1	314	5X6	C40-C22-C21	-4.77	115.09	122.82
29	1	316	5X6	C20-C19-C18	-4.77	113.77	123.52
22	A	804	CLA	C3B-C2B-C1B	-4.77	101.55	107.17
22	B	830	CLA	CMD-C2D-C1D	4.76	133.12	124.73
22	A	815	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
22	1	306	CLA	C3B-C2B-C1B	-4.76	101.55	107.17
22	4	311	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
22	5	303	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
22	4	306	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
22	6	312	CLA	C3D-C4D-ND	4.76	117.73	109.99
22	7	311	CLA	C3D-C4D-ND	4.76	117.72	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	813	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
22	B	822	CLA	C3D-C4D-ND	4.76	117.72	109.99
22	A	831	CLA	O2D-CGD-CBD	4.76	119.55	111.23
22	6	306	CLA	C3B-C2B-C1B	-4.76	101.56	107.17
22	A	808	CLA	C2C-C1C-NC	4.76	114.98	109.98
22	6	313	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
22	6	307	CLA	C2B-C1B-NB	4.75	115.25	110.33
25	K	103	BCR	C15-C16-C17	4.75	133.24	123.52
29	2	314	5X6	C12-C11-C03	-4.75	114.31	127.00
22	A	857	CLA	C3C-C4C-NC	4.75	116.52	110.43
22	B	802	CLA	C3C-C4C-NC	4.75	116.52	110.43
22	2	302	CLA	C2B-C1B-NB	4.75	115.25	110.33
29	B	851	5X6	C24-C23-C22	-4.75	113.34	126.36
22	7	310	CLA	C2B-C1B-NB	4.75	115.25	110.33
22	B	832	CLA	C3B-C2B-C1B	-4.75	101.57	107.17
22	B	824	CLA	C3D-C2D-C1D	-4.75	99.36	105.83
29	4	314	5X6	C15-C16-C17	-4.74	113.36	126.36
22	A	822	CLA	CHD-C4C-C3C	-4.74	117.86	124.77
22	4	308	CLA	C4A-NA-C1A	-4.74	104.52	106.68
22	F	204	CLA	C2C-C1C-NC	4.74	114.96	109.98
22	A	835	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
22	7	312	CLA	C3D-C4D-ND	4.74	117.69	109.99
29	2	314	5X6	C41-C17-C18	-4.74	115.14	122.82
29	5	313	5X6	C42-C13-C14	-4.74	115.14	122.82
22	B	824	CLA	C3C-C4C-NC	4.74	116.50	110.43
22	3	302	CLA	C3D-C2D-C1D	-4.74	99.37	105.83
22	A	806	CLA	C3B-C2B-C1B	-4.74	101.59	107.17
22	A	859	CLA	C3D-C4D-ND	4.74	117.69	109.99
22	2	307	CLA	C3D-C4D-ND	4.74	117.69	109.99
22	B	808	CLA	C2C-C1C-NC	4.74	114.96	109.98
22	O	205	CLA	C2B-C1B-NB	4.73	115.24	110.33
22	2	304	CLA	CHD-C1D-ND	-4.73	118.14	124.80
29	3	306	5X6	C27-C26-C25	-4.73	111.56	119.01
22	B	807	CLA	C3B-C2B-C1B	-4.73	101.59	107.17
22	5	301	CLA	O2D-CGD-CBD	4.73	119.50	111.23
22	A	810	CLA	O2D-CGD-CBD	4.73	119.50	111.23
22	1	303	CLA	C3D-C4D-ND	4.73	117.68	109.99
22	4	310	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
22	O	203	CLA	C3B-C2B-C1B	-4.73	101.60	107.17
22	2	302	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
22	1	308	CLA	C3D-C4D-ND	4.73	117.67	109.99
22	7	311	CLA	C2B-C1B-NB	4.73	115.23	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	828	CLA	C3D-C4D-ND	4.73	117.67	109.99
22	A	804	CLA	O2D-CGD-CBD	4.72	119.49	111.23
22	A	812	CLA	C3D-C2D-C1D	-4.72	99.38	105.83
22	4	305	CLA	C3D-C4D-ND	4.72	117.67	109.99
29	Z	206	5X6	C42-C13-C14	-4.72	115.16	122.82
22	J	102	CLA	O2D-CGD-CBD	4.72	119.49	111.23
22	B	834	CLA	C2C-C1C-NC	4.72	114.94	109.98
22	2	302	CLA	C2C-C1C-NC	4.72	114.94	109.98
29	6	315	5X6	C27-C26-C25	-4.72	111.59	119.01
22	3	303	CLA	CHD-C4C-C3C	-4.72	117.89	124.77
22	A	848	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
22	4	305	CLA	C3B-C2B-C1B	-4.72	101.61	107.17
22	5	303	CLA	C2C-C1C-NC	4.72	114.94	109.98
22	3	304	CLA	C3D-C4D-ND	4.72	117.66	109.99
22	A	805	CLA	C3D-C4D-ND	4.72	117.65	109.99
22	5	303	CLA	C3B-C2B-C1B	-4.72	101.61	107.17
22	B	817	CLA	C3B-C2B-C1B	-4.71	101.61	107.17
22	A	831	CLA	C2C-C1C-NC	4.71	114.93	109.98
22	B	807	CLA	C3D-C4D-ND	4.71	117.64	109.99
22	A	828	CLA	CHD-C4C-C3C	-4.71	117.91	124.77
22	A	824	CLA	O2D-CGD-CBD	4.71	119.46	111.23
22	B	850	CLA	C3D-C4D-ND	4.71	117.64	109.99
29	5	312	5X6	C11-C03-C02	-4.71	110.71	121.56
22	5	305	CLA	C4A-NA-C1A	-4.71	104.53	106.68
22	7	310	CLA	CHD-C4C-C3C	-4.71	117.91	124.77
22	A	807	CLA	CAC-C3C-C4C	4.70	130.91	124.79
22	2	310	CLA	C3D-C4D-ND	4.70	117.64	109.99
29	6	316	5X6	C40-C22-C21	-4.70	115.20	122.82
22	O	205	CLA	C3D-C4D-ND	4.70	117.63	109.99
22	7	310	CLA	C2C-C1C-NC	4.70	114.92	109.98
22	A	817	CLA	C2C-C1C-NC	4.70	114.92	109.98
22	3	302	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
22	B	812	CLA	C2B-C1B-NB	4.70	115.20	110.33
22	1	307	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
22	4	307	CLA	C2B-C1B-NB	4.70	115.20	110.33
22	A	828	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
22	5	307	CLA	C3D-C4D-ND	4.69	117.61	109.99
22	A	834	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
29	2	313	5X6	C41-C17-C16	-4.69	110.92	118.09
22	K	102	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
22	O	206	CLA	C3D-C4D-ND	4.69	117.61	109.99
22	B	806	CLA	C2C-C1C-NC	4.69	114.91	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	7	318	5X6	C27-C28-C29	-4.69	114.47	127.00
22	B	837	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
22	1	305	CLA	C2C-C1C-NC	4.69	114.91	109.98
22	1	307	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
22	1	307	CLA	O2D-CGD-CBD	4.69	119.42	111.23
29	O	208	5X6	C40-C22-C21	-4.69	115.22	122.82
22	A	839	CLA	C3D-C2D-C1D	-4.69	99.44	105.83
29	1	314	5X6	C11-C03-C02	-4.69	110.76	121.56
29	4	315	5X6	C23-C22-C21	-4.68	111.64	119.01
22	A	813	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
22	A	818	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
22	6	307	CLA	CHD-C4C-C3C	-4.68	117.95	124.77
22	B	809	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
22	5	307	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
22	A	810	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
22	A	815	CLA	C4-C3-C5	4.68	123.36	115.23
22	1	302	CLA	C2B-C1B-NB	4.68	115.18	110.33
22	1	307	CLA	C2B-C1B-NB	4.68	115.18	110.33
22	B	825	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
22	7	307	CLA	CHD-C4C-C3C	-4.68	117.95	124.77
22	B	816	CLA	C3C-C4C-NC	4.68	116.42	110.43
22	A	803	CLA	C3D-C4D-ND	4.68	117.59	109.99
22	B	834	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
22	5	304	CLA	C3B-C2B-C1B	-4.67	101.66	107.17
22	B	825	CLA	C3D-C2D-C1D	-4.67	99.45	105.83
22	A	859	CLA	C3D-C2D-C1D	-4.67	99.45	105.83
22	1	309	CLA	C3D-C4D-ND	4.67	117.58	109.99
22	A	814	CLA	CAC-C3C-C4C	4.67	130.87	124.79
22	A	822	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
22	A	825	CLA	C3B-C2B-C1B	-4.67	101.66	107.17
22	A	821	CLA	C3D-C4D-ND	4.67	117.58	109.99
22	A	809	CLA	C2B-C1B-NB	4.67	115.17	110.33
29	6	316	5X6	C16-C17-C18	-4.67	111.67	119.01
22	5	310	CLA	O2D-CGD-CBD	4.67	119.39	111.23
22	B	849	CLA	CMD-C2D-C1D	4.66	132.94	124.73
22	2	309	CLA	C2B-C1B-NB	4.66	115.16	110.33
22	4	304	CLA	C2C-C1C-NC	4.66	114.88	109.98
22	B	823	CLA	C3D-C4D-ND	4.66	117.56	109.99
29	1	312	5X6	C25-C24-C23	-4.66	109.70	123.20
22	1	307	CLA	C3D-C4D-ND	4.66	117.56	109.99
22	4	309	CLA	C3D-C4D-ND	4.66	117.56	109.99
29	2	313	5X6	C41-C17-C18	-4.66	115.27	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	4	313	5X6	C23-C22-C21	-4.65	111.69	119.01
22	6	305	CLA	C2B-C1B-NB	4.65	115.15	110.33
22	A	806	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
22	B	805	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
22	A	827	CLA	C2B-C1B-NB	4.65	115.15	110.33
22	6	310	CLA	C3D-C4D-ND	4.65	117.55	109.99
22	B	825	CLA	C2C-C1C-NC	4.65	114.87	109.98
29	O	208	5X6	C41-C17-C18	-4.65	115.28	122.82
22	7	303	CLA	C2C-C1C-NC	4.65	114.86	109.98
29	2	312	5X6	C12-C11-C03	-4.65	114.58	127.00
22	A	859	CLA	C4-C3-C5	4.65	123.30	115.23
22	7	313	CLA	C3D-C4D-ND	4.65	117.54	109.99
22	A	804	CLA	C1C-C2C-C3C	-4.65	102.09	106.98
22	3	303	CLA	C3D-C4D-ND	4.65	117.54	109.99
22	2	303	CLA	C3D-C4D-ND	4.65	117.54	109.99
22	5	310	CLA	C2C-C1C-NC	4.65	114.86	109.98
22	4	302	CLA	C3D-C4D-ND	4.65	117.54	109.99
22	6	304	CLA	C3D-C4D-ND	4.64	117.54	109.99
22	B	849	CLA	C3D-C2D-C1D	-4.64	99.49	105.83
22	5	302	CLA	C3D-C2D-C1D	-4.64	99.49	105.83
22	B	817	CLA	C3D-C2D-C1D	-4.64	99.49	105.83
22	1	306	CLA	C3D-C4D-ND	4.64	117.53	109.99
22	7	307	CLA	CAC-C3C-C4C	4.64	130.83	124.79
22	2	310	CLA	C4A-NA-C1A	-4.64	104.56	106.68
22	5	307	CLA	C2B-C1B-NB	4.64	115.14	110.33
29	5	312	5X6	C12-C11-C03	-4.64	114.60	127.00
22	7	303	CLA	C3D-C4D-ND	4.64	117.53	109.99
22	B	825	CLA	C2B-C1B-NB	4.64	115.14	110.33
22	A	812	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
22	A	807	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
22	2	311	CLA	C3D-C4D-ND	4.64	117.53	109.99
22	4	307	CLA	CMD-C2D-C1D	4.64	132.89	124.73
22	B	837	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
22	A	839	CLA	O2D-CGD-CBD	4.63	119.33	111.23
22	A	814	CLA	C3D-C4D-ND	4.63	117.51	109.99
29	4	314	5X6	C01-C02-C07	-4.63	105.91	114.42
22	1	304	CLA	C2B-C1B-NB	4.63	115.13	110.33
22	B	838	CLA	C3D-C4D-ND	4.63	117.51	109.99
22	1	306	CLA	C2C-C1C-NC	4.63	114.84	109.98
22	A	823	CLA	C3D-C2D-C1D	-4.63	99.52	105.83
29	J	104	5X6	C25-C24-C23	-4.63	109.79	123.20
22	7	306	CLA	CHD-C1D-ND	-4.63	118.29	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	7	305	CLA	C3D-C2D-C1D	-4.63	99.52	105.83
22	7	307	CLA	C3D-C2D-C1D	-4.63	99.52	105.83
22	A	811	CLA	C3B-C2B-C1B	-4.62	101.72	107.17
22	2	309	CLA	O2D-CGD-CBD	4.62	119.31	111.23
29	4	315	5X6	C38-C30-C31	-4.62	105.92	114.42
22	2	305	CLA	O2D-CGD-CBD	4.62	119.31	111.23
22	5	305	CLA	CHD-C4C-C3C	-4.62	118.04	124.77
22	B	833	CLA	C3D-C4D-ND	4.62	117.50	109.99
22	B	814	CLA	C3B-C2B-C1B	-4.62	101.73	107.17
22	B	839	CLA	C3D-C4D-ND	4.62	117.49	109.99
22	6	303	CLA	C3D-C4D-ND	4.62	117.49	109.99
22	A	833	CLA	CMD-C2D-C1D	4.62	132.86	124.73
22	K	101	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
22	B	811	CLA	C3D-C4D-ND	4.61	117.49	109.99
22	B	803	CLA	C3D-C2D-C1D	-4.61	99.53	105.83
29	M	101	5X6	C12-C13-C14	-4.61	111.75	119.01
29	6	317	5X6	C12-C13-C14	-4.61	111.75	119.01
22	O	205	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
22	A	830	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
22	1	302	CLA	O2D-CGD-CBD	4.61	119.29	111.23
22	B	836	CLA	O2D-CGD-O1D	-4.61	114.87	123.85
22	2	306	CLA	C3D-C4D-ND	4.61	117.48	109.99
22	3	305	CLA	C3B-C2B-C1B	-4.61	101.74	107.17
22	3	303	CLA	C4A-NA-C1A	-4.61	104.58	106.68
22	4	312	CLA	C4A-NA-C1A	-4.61	104.58	106.68
22	6	312	CLA	O2D-CGD-CBD	4.60	119.28	111.23
22	6	311	CLA	C3D-C2D-C1D	-4.60	99.55	105.83
22	A	802	CLA	C3D-C2D-C1D	-4.60	99.55	105.83
22	B	833	CLA	C2C-C1C-NC	4.60	114.82	109.98
22	B	833	CLA	C3B-C2B-C1B	-4.60	101.75	107.17
22	B	831	CLA	C2B-C1B-NB	4.60	115.10	110.33
22	6	308	CLA	C3D-C4D-ND	4.60	117.47	109.99
29	4	315	5X6	C20-C19-C18	-4.60	114.11	123.52
22	5	309	CLA	C3D-C2D-C1D	-4.60	99.55	105.83
22	A	833	CLA	C2C-C1C-NC	4.60	114.81	109.98
22	A	831	CLA	C3D-C2D-C1D	-4.60	99.56	105.83
22	A	814	CLA	C2C-C1C-NC	4.60	114.81	109.98
22	A	818	CLA	C3D-C4D-ND	4.60	117.46	109.99
22	4	312	CLA	C3D-C4D-ND	4.60	117.46	109.99
22	B	813	CLA	C2C-C1C-NC	4.60	114.81	109.98
22	3	301	CLA	C3D-C2D-C1D	-4.60	99.56	105.83
22	6	305	CLA	CAC-C3C-C4C	4.59	130.77	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	4	314	5X6	C12-C11-C03	-4.59	114.73	127.00
22	B	828	CLA	C2C-C1C-NC	4.59	114.81	109.98
22	6	307	CLA	C3D-C2D-C1D	-4.59	99.56	105.83
22	B	819	CLA	C3D-C4D-ND	4.59	117.45	109.99
22	A	824	CLA	C3D-C4D-ND	4.59	117.45	109.99
22	5	304	CLA	C2C-C1C-NC	4.59	114.80	109.98
22	B	836	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
22	A	829	CLA	C4A-NA-C1A	-4.59	104.58	106.68
22	1	309	CLA	C4A-NA-C1A	-4.59	104.58	106.68
22	B	814	CLA	C3D-C4D-ND	4.59	117.45	109.99
22	A	823	CLA	C3C-C4C-NC	4.59	116.31	110.43
22	B	821	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
22	A	826	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
29	J	104	5X6	C11-C03-C02	-4.59	110.99	121.56
22	O	204	CLA	C3D-C4D-ND	4.59	117.44	109.99
22	7	312	CLA	C4A-NA-C1A	-4.59	104.59	106.68
22	6	311	CLA	C3D-C4D-ND	4.58	117.44	109.99
22	F	206	CLA	C2C-C1C-NC	4.58	114.80	109.98
22	B	826	CLA	C3B-C2B-C1B	-4.58	101.77	107.17
22	B	832	CLA	C3D-C4D-ND	4.58	117.44	109.99
22	2	304	CLA	C3D-C4D-ND	4.58	117.44	109.99
22	B	833	CLA	CMD-C2D-C1D	4.58	132.80	124.73
29	5	321	5X6	C01-C02-C07	-4.58	106.00	114.42
22	3	304	CLA	C4A-NA-C1A	-4.58	104.59	106.68
22	B	812	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
29	4	313	5X6	C12-C11-C03	-4.58	114.77	127.00
22	2	309	CLA	C4A-NA-C1A	-4.58	104.59	106.68
22	B	810	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
22	3	303	CLA	C2C-C1C-NC	4.58	114.79	109.98
22	1	306	CLA	C2B-C1B-NB	4.58	115.07	110.33
22	A	838	CLA	C3C-C4C-NC	4.58	116.30	110.43
22	5	311	CLA	C3D-C4D-ND	4.58	117.43	109.99
22	3	303	CLA	C2B-C1B-NB	4.58	115.07	110.33
22	6	306	CLA	C2C-C1C-NC	4.58	114.79	109.98
22	7	311	CLA	C4A-NA-C1A	-4.58	104.59	106.68
22	A	808	CLA	C3D-C4D-ND	4.57	117.42	109.99
22	B	849	CLA	C3D-C4D-ND	4.57	117.42	109.99
22	2	310	CLA	C3D-C2D-C1D	-4.57	99.59	105.83
22	7	307	CLA	O2D-CGD-CBD	4.57	119.22	111.23
22	B	829	CLA	C3B-C2B-C1B	-4.57	101.78	107.17
22	A	834	CLA	O2D-CGD-CBD	4.57	119.22	111.23
29	6	315	5X6	C12-C13-C14	-4.57	111.82	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	2	313	5X6	C16-C17-C18	-4.57	111.82	119.01
22	B	830	CLA	C3B-C2B-C1B	-4.57	101.78	107.17
22	A	858	CLA	C2C-C1C-NC	4.57	114.78	109.98
22	4	306	CLA	CAC-C3C-C4C	4.57	130.73	124.79
22	B	815	CLA	C3B-C2B-C1B	-4.57	101.79	107.17
22	B	835	CLA	C2B-C1B-NB	4.56	115.06	110.33
22	6	314	CLA	C3D-C2D-C1D	-4.56	99.60	105.83
22	B	827	CLA	C3C-C4C-NC	4.56	116.28	110.43
22	7	308	CLA	C3D-C4D-ND	4.56	117.40	109.99
22	5	305	CLA	C3D-C4D-ND	4.56	117.40	109.99
22	1	302	CLA	C2C-C1C-NC	4.56	114.77	109.98
22	B	837	CLA	C3D-C4D-ND	4.56	117.39	109.99
22	A	809	CLA	C3B-C2B-C1B	-4.56	101.80	107.17
22	B	820	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
22	2	304	CLA	C3B-C2B-C1B	-4.55	101.80	107.17
22	A	826	CLA	O2D-CGD-CBD	4.55	119.19	111.23
22	6	309	CLA	C4A-NA-C1A	-4.55	104.60	106.68
22	A	816	CLA	C2C-C1C-NC	4.55	114.76	109.98
22	L	204	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
29	O	207	5X6	C15-C16-C17	-4.55	113.88	126.36
22	1	302	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
22	A	814	CLA	O2D-CGD-CBD	4.55	119.19	111.23
22	5	304	CLA	C2B-C1B-NB	4.55	115.04	110.33
22	2	308	CLA	CHD-C1D-ND	-4.55	118.40	124.80
22	O	204	CLA	C2B-C1B-NB	4.55	115.04	110.33
22	5	306	CLA	C3B-C2B-C1B	-4.55	101.81	107.17
22	A	817	CLA	C3D-C4D-ND	4.55	117.38	109.99
22	B	818	CLA	C3D-C4D-ND	4.55	117.38	109.99
22	Z	204	CLA	C3D-C4D-ND	4.55	117.38	109.99
29	6	315	5X6	C40-C22-C21	-4.55	115.45	122.82
22	A	830	CLA	C2B-C1B-NB	4.54	115.04	110.33
22	B	811	CLA	C2C-C1C-NC	4.54	114.75	109.98
22	A	819	CLA	C3B-C2B-C1B	-4.54	101.81	107.17
22	6	306	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
22	4	304	CLA	O2D-CGD-CBD	4.54	119.17	111.23
29	6	316	5X6	C15-C16-C17	-4.54	113.91	126.36
29	Z	206	5X6	C11-C12-C13	-4.54	119.52	126.23
22	4	305	CLA	C2C-C1C-NC	4.54	114.75	109.98
29	O	208	5X6	C24-C23-C22	-4.54	113.91	126.36
22	A	824	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
22	Z	204	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
22	2	304	CLA	C3D-C2D-C1D	-4.54	99.64	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	837	CLA	C2C-C1C-NC	4.54	114.75	109.98
22	A	802	CLA	C2C-C1C-NC	4.54	114.75	109.98
22	7	309	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
22	B	839	CLA	C2B-C1B-NB	4.54	115.03	110.33
22	2	309	CLA	C3D-C4D-ND	4.54	117.36	109.99
22	2	306	CLA	C4A-NA-C1A	-4.54	104.61	106.68
22	6	314	CLA	C2C-C1C-NC	4.54	114.75	109.98
22	F	205	CLA	C3D-C4D-ND	4.53	117.36	109.99
22	Z	204	CLA	C2B-C1B-NB	4.53	115.03	110.33
22	5	305	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
22	A	809	CLA	C3D-C4D-ND	4.53	117.35	109.99
22	2	306	CLA	C2C-C1C-NC	4.53	114.74	109.98
29	M	101	5X6	C15-C16-C17	-4.53	113.94	126.36
22	B	814	CLA	CMD-C2D-C1D	4.53	132.71	124.73
22	5	304	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
22	5	309	CLA	C3D-C4D-ND	4.53	117.35	109.99
22	A	810	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
22	B	839	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
22	A	805	CLA	O2D-CGD-CBD	4.53	119.14	111.23
22	7	312	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
22	B	807	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
29	4	314	5X6	C42-C13-C14	-4.53	115.48	122.82
22	A	819	CLA	C2C-C1C-NC	4.53	114.73	109.98
22	O	203	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
22	5	311	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
22	F	206	CLA	C3D-C4D-ND	4.52	117.34	109.99
22	5	308	CLA	C3D-C4D-ND	4.52	117.34	109.99
22	7	307	CLA	C3B-C2B-C1B	-4.52	101.84	107.17
22	1	310	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
22	A	832	CLA	C2C-C1C-NC	4.52	114.73	109.98
29	7	317	5X6	C42-C13-C14	-4.52	115.49	122.82
22	7	310	CLA	C3D-C4D-ND	4.52	117.33	109.99
22	A	836	CLA	C3D-C4D-ND	4.52	117.33	109.99
22	A	812	CLA	C2C-C1C-NC	4.52	114.73	109.98
22	A	815	CLA	O2D-CGD-CBD	4.52	119.13	111.23
22	6	314	CLA	C3D-C4D-ND	4.52	117.33	109.99
22	2	306	CLA	CHD-C4C-C3C	-4.52	118.19	124.77
22	B	824	CLA	CAC-C3C-C4C	4.52	130.67	124.79
22	B	810	CLA	C2C-C1C-NC	4.52	114.72	109.98
22	A	814	CLA	C3D-C2D-C1D	-4.52	99.67	105.83
29	1	313	5X6	C27-C26-C25	-4.52	111.91	119.01
22	5	303	CLA	C2B-C1B-NB	4.51	115.01	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	2	309	CLA	C3D-C2D-C1D	-4.51	99.67	105.83
22	A	819	CLA	C4A-NA-C1A	-4.51	104.62	106.68
22	A	832	CLA	C3D-C4D-ND	4.51	117.32	109.99
22	1	307	CLA	C2C-C1C-NC	4.51	114.72	109.98
22	B	850	CLA	C2B-C1B-NB	4.51	115.00	110.33
22	6	303	CLA	C2B-C1B-NB	4.51	115.00	110.33
22	7	308	CLA	C3B-C2B-C1B	-4.51	101.85	107.17
22	4	305	CLA	C2B-C1B-NB	4.51	115.00	110.33
29	1	311	5X6	C15-C16-C17	-4.51	114.00	126.36
22	6	309	CLA	C3D-C4D-ND	4.51	117.32	109.99
29	1	316	5X6	C27-C28-C29	-4.51	114.95	127.00
22	K	101	CLA	C4A-NA-C1A	-4.51	104.62	106.68
22	A	848	CLA	C3B-C2B-C1B	-4.51	101.86	107.17
22	A	816	CLA	C3D-C4D-ND	4.51	117.31	109.99
22	B	830	CLA	C3D-C4D-ND	4.51	117.31	109.99
22	B	816	CLA	C4A-NA-C1A	-4.51	104.62	106.68
22	A	823	CLA	C3B-C2B-C1B	-4.50	101.86	107.17
22	A	831	CLA	C3B-C2B-C1B	-4.50	101.86	107.17
22	B	828	CLA	O2D-CGD-CBD	4.50	119.10	111.23
22	6	312	CLA	C4A-NA-C1A	-4.50	104.63	106.68
22	5	310	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
22	A	821	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
29	5	321	5X6	C24-C23-C22	-4.50	114.03	126.36
29	5	312	5X6	C25-C24-C23	-4.50	110.17	123.20
22	5	307	CLA	C2C-C1C-NC	4.50	114.70	109.98
22	A	821	CLA	CAC-C3C-C4C	4.50	130.64	124.79
22	5	308	CLA	C3D-C2D-C1D	-4.50	99.70	105.83
22	J	102	CLA	C3D-C4D-ND	4.49	117.29	109.99
22	5	305	CLA	C2C-C1C-NC	4.49	114.70	109.98
22	B	836	CLA	C3C-C4C-NC	4.49	116.18	110.43
22	6	308	CLA	C3D-C2D-C1D	-4.49	99.71	105.83
22	6	305	CLA	C2C-C1C-NC	4.49	114.70	109.98
22	4	309	CLA	C3D-C2D-C1D	-4.49	99.71	105.83
22	B	833	CLA	C2B-C1B-NB	4.49	114.98	110.33
22	A	831	CLA	C3C-C4C-NC	4.49	116.18	110.43
22	B	850	CLA	C1C-C2C-C3C	-4.49	102.26	106.98
22	A	832	CLA	C3B-C2B-C1B	-4.48	101.88	107.17
22	1	303	CLA	C3B-C2B-C1B	-4.48	101.88	107.17
22	B	832	CLA	O2D-CGD-O1D	-4.48	115.12	123.85
22	4	311	CLA	C3D-C4D-ND	4.48	117.28	109.99
22	A	832	CLA	C3D-C2D-C1D	-4.48	99.71	105.83
22	A	819	CLA	C3D-C4D-ND	4.48	117.27	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	7	313	CLA	C3D-C2D-C1D	-4.48	99.71	105.83
22	4	303	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
22	7	309	CLA	CHD-C1D-ND	-4.48	118.50	124.80
29	6	316	5X6	C24-C23-C22	-4.48	114.08	126.36
22	6	310	CLA	C3B-C2B-C1B	-4.48	101.89	107.17
22	3	305	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
22	4	303	CLA	C3B-C2B-C1B	-4.48	101.89	107.17
22	B	814	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
22	O	204	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
29	3	306	5X6	C39-C26-C25	-4.48	115.56	122.82
29	2	312	5X6	C24-C23-C22	-4.48	114.09	126.36
22	B	806	CLA	C3C-C4C-NC	4.48	116.16	110.43
22	6	303	CLA	C3D-C2D-C1D	-4.47	99.72	105.83
22	6	306	CLA	C2B-C1B-NB	4.47	114.97	110.33
22	B	849	CLA	C3B-C2B-C1B	-4.47	101.90	107.17
22	2	305	CLA	CHD-C1D-ND	-4.47	118.51	124.80
22	A	817	CLA	C2B-C1B-NB	4.47	114.96	110.33
22	L	205	CLA	C3D-C4D-ND	4.47	117.26	109.99
22	2	305	CLA	C3D-C2D-C1D	-4.47	99.73	105.83
29	B	851	5X6	C27-C26-C25	-4.47	111.97	119.01
22	2	307	CLA	C3B-C2B-C1B	-4.47	101.90	107.17
22	B	835	CLA	C3D-C4D-ND	4.47	117.25	109.99
22	L	205	CLA	C3D-C2D-C1D	-4.47	99.73	105.83
22	7	305	CLA	C2C-C1C-NC	4.47	114.67	109.98
22	A	806	CLA	CMD-C2D-C1D	4.47	132.60	124.73
22	A	820	CLA	C3B-C2B-C1B	-4.47	101.90	107.17
22	K	102	CLA	C3D-C4D-ND	4.47	117.25	109.99
22	A	810	CLA	C2B-C1B-NB	4.46	114.96	110.33
22	A	815	CLA	C2C-C1C-NC	4.46	114.67	109.98
22	B	833	CLA	C3D-C2D-C1D	-4.46	99.74	105.83
22	B	826	CLA	C3D-C4D-ND	4.46	117.24	109.99
22	B	838	CLA	C3B-C2B-C1B	-4.46	101.91	107.17
22	K	101	CLA	C3D-C4D-ND	4.46	117.24	109.99
22	5	308	CLA	C4A-NA-C1A	-4.46	104.64	106.68
22	4	304	CLA	CAC-C3C-C4C	4.46	130.59	124.79
22	A	835	CLA	C3C-C4C-NC	4.46	116.14	110.43
22	B	801	CLA	C3B-C2B-C1B	-4.46	101.91	107.17
22	4	311	CLA	C3B-C2B-C1B	-4.46	101.91	107.17
29	Z	206	5X6	C16-C17-C18	-4.46	112.00	119.01
22	B	804	CLA	C2C-C1C-NC	4.46	114.66	109.98
22	5	310	CLA	C3D-C4D-ND	4.46	117.23	109.99
22	A	807	CLA	C3C-C4C-NC	4.45	116.14	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	813	CLA	C3B-C2B-C1B	-4.45	101.92	107.17
22	4	304	CLA	C3D-C2D-C1D	-4.45	99.75	105.83
22	A	817	CLA	C3B-C2B-C1B	-4.45	101.92	107.17
29	2	313	5X6	C14-C15-C16	-4.45	110.30	123.20
22	6	307	CLA	C3B-C2B-C1B	-4.45	101.92	107.17
22	7	310	CLA	CAC-C3C-C4C	4.45	130.58	124.79
22	3	302	CLA	C2C-C1C-NC	4.45	114.66	109.98
22	3	301	CLA	CHD-C1D-ND	-4.45	118.54	124.80
22	B	829	CLA	O2D-CGD-O1D	-4.45	115.19	123.85
22	2	309	CLA	CAC-C3C-C4C	4.45	130.58	124.79
22	A	813	CLA	C3D-C4D-ND	4.45	117.22	109.99
22	A	803	CLA	C3B-C4B-NB	4.45	114.50	110.53
22	K	101	CLA	C2C-C1C-NC	4.45	114.66	109.98
29	1	313	5X6	C20-C19-C18	-4.45	114.42	123.52
22	1	308	CLA	C2B-C1B-NB	4.45	114.94	110.33
22	7	307	CLA	C2C-C1C-NC	4.45	114.65	109.98
22	1	308	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
22	B	830	CLA	C3D-C2D-C1D	-4.44	99.77	105.83
22	B	815	CLA	C4A-NA-C1A	-4.44	104.65	106.68
22	6	310	CLA	C3D-C2D-C1D	-4.44	99.77	105.83
22	3	303	CLA	C3D-C2D-C1D	-4.44	99.77	105.83
22	3	302	CLA	C3D-C4D-ND	4.44	117.20	109.99
22	B	810	CLA	C2B-C1B-NB	4.44	114.93	110.33
22	1	302	CLA	CHD-C1D-ND	-4.44	118.56	124.80
22	2	307	CLA	CHD-C1D-ND	-4.44	118.56	124.80
22	B	820	CLA	C3D-C4D-ND	4.44	117.20	109.99
22	2	307	CLA	C3D-C2D-C1D	-4.44	99.78	105.83
22	A	834	CLA	C2B-C1B-NB	4.43	114.92	110.33
29	4	313	5X6	C12-C13-C14	-4.43	112.03	119.01
22	A	815	CLA	C2B-C1B-NB	4.43	114.92	110.33
22	B	819	CLA	C2B-C1B-NB	4.43	114.92	110.33
22	B	823	CLA	C3B-C2B-C1B	-4.43	101.94	107.17
22	4	306	CLA	C2C-C1C-NC	4.43	114.64	109.98
29	1	314	5X6	C42-C13-C12	-4.43	111.32	118.09
22	A	828	CLA	C3D-C4D-ND	4.43	117.19	109.99
22	B	813	CLA	C3D-C4D-ND	4.43	117.19	109.99
22	A	808	CLA	C4-C3-C5	4.43	122.92	115.23
22	6	307	CLA	O2D-CGD-CBD	4.43	118.97	111.23
22	5	304	CLA	CHD-C1D-ND	-4.43	118.57	124.80
22	5	311	CLA	C4A-NA-C1A	-4.43	104.66	106.68
22	7	311	CLA	C3D-C2D-C1D	-4.42	99.79	105.83
22	5	307	CLA	C3B-C2B-C1B	-4.42	101.95	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	835	CLA	C3B-C2B-C1B	-4.42	101.96	107.17
22	1	308	CLA	C2C-C1C-NC	4.42	114.63	109.98
29	5	314	5X6	C15-C16-C17	-4.42	114.24	126.36
22	B	802	CLA	O2D-CGD-O1D	-4.42	115.24	123.85
29	7	315	5X6	C19-C20-C21	-4.42	114.47	123.52
29	6	317	5X6	C01-C02-C03	-4.42	119.66	124.48
22	5	302	CLA	C3B-C2B-C1B	-4.42	101.96	107.17
22	J	102	CLA	C2C-C1C-NC	4.42	114.62	109.98
22	B	850	CLA	C3D-C2D-C1D	-4.42	99.80	105.83
22	4	307	CLA	C3D-C2D-C1D	-4.42	99.80	105.83
22	B	826	CLA	C2C-C1C-NC	4.42	114.62	109.98
22	B	828	CLA	CHD-C1D-ND	-4.42	118.59	124.80
29	O	208	5X6	C14-C15-C16	-4.42	110.41	123.20
22	J	102	CLA	C3D-C2D-C1D	-4.42	99.81	105.83
22	4	308	CLA	C3D-C2D-C1D	-4.41	99.81	105.83
29	5	321	5X6	C11-C03-C02	-4.41	111.39	121.56
29	B	851	5X6	C23-C22-C21	-4.41	112.07	119.01
22	2	309	CLA	C2C-C1C-NC	4.41	114.61	109.98
22	7	306	CLA	C3D-C2D-C1D	-4.41	99.81	105.83
22	7	304	CLA	C3B-C2B-C1B	-4.41	101.97	107.17
22	1	309	CLA	CHD-C4C-C3C	-4.41	118.34	124.77
22	A	836	CLA	C2B-C1B-NB	4.41	114.90	110.33
22	O	203	CLA	O2D-CGD-CBD	4.41	118.94	111.23
22	L	205	CLA	C4A-NA-C1A	-4.41	104.67	106.68
22	6	308	CLA	C4A-NA-C1A	-4.41	104.67	106.68
22	6	307	CLA	C3D-C4D-ND	4.41	117.15	109.99
22	2	305	CLA	C4A-NA-C1A	-4.41	104.67	106.68
22	7	311	CLA	C2C-C1C-NC	4.41	114.61	109.98
29	1	316	5X6	C12-C11-C03	-4.40	115.23	127.00
22	B	835	CLA	C4-C3-C2	-4.40	112.32	123.63
22	2	311	CLA	C3D-C2D-C1D	-4.40	99.82	105.83
22	4	304	CLA	C3D-C4D-ND	4.40	117.14	109.99
22	B	815	CLA	C3D-C4D-ND	4.40	117.14	109.99
22	5	301	CLA	C3D-C2D-C1D	-4.40	99.82	105.83
22	1	304	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
22	1	303	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
22	B	807	CLA	C4A-NA-C1A	-4.40	104.67	106.68
29	7	315	5X6	C15-C16-C17	-4.40	114.30	126.36
22	4	310	CLA	C3B-C2B-C1B	-4.40	101.99	107.17
22	A	814	CLA	C4A-NA-C1A	-4.39	104.67	106.68
22	2	306	CLA	C3D-C2D-C1D	-4.39	99.83	105.83
22	1	306	CLA	C3D-C2D-C1D	-4.39	99.83	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	812	CLA	C3D-C4D-ND	4.39	117.13	109.99
22	A	803	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
22	3	304	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
22	A	825	CLA	C2B-C1B-NB	4.39	114.88	110.33
22	2	303	CLA	C2C-C1C-NC	4.39	114.59	109.98
29	7	316	5X6	C23-C22-C21	-4.39	112.11	119.01
22	A	822	CLA	C3D-C4D-ND	4.39	117.12	109.99
29	3	306	5X6	C19-C20-C21	-4.39	114.55	123.52
22	6	304	CLA	C3B-C2B-C1B	-4.38	102.00	107.17
22	6	304	CLA	C3D-C2D-C1D	-4.38	99.85	105.83
22	6	312	CLA	C3D-C2D-C1D	-4.38	99.85	105.83
29	2	314	5X6	C16-C17-C18	-4.38	112.12	119.01
22	A	838	CLA	C3D-C4D-ND	4.38	117.11	109.99
22	2	303	CLA	C3D-C2D-C1D	-4.38	99.85	105.83
22	4	306	CLA	C3D-C4D-ND	4.38	117.11	109.99
22	B	803	CLA	C3B-C2B-C1B	-4.38	102.01	107.17
22	1	309	CLA	CHD-C1D-ND	-4.38	118.64	124.80
22	7	313	CLA	C3B-C2B-C1B	-4.38	102.01	107.17
22	B	813	CLA	C3C-C4C-NC	4.38	116.04	110.43
22	A	815	CLA	C3C-C4C-NC	4.38	116.03	110.43
22	2	311	CLA	C3B-C2B-C1B	-4.38	102.01	107.17
22	A	830	CLA	C3D-C4D-ND	4.38	117.10	109.99
22	6	314	CLA	C4A-NA-C1A	-4.38	104.68	106.68
22	1	307	CLA	CHD-C1D-ND	-4.37	118.65	124.80
22	2	307	CLA	C4A-NA-C1A	-4.37	104.68	106.68
22	B	822	CLA	C3B-C2B-C1B	-4.37	102.02	107.17
22	B	801	CLA	CMD-C2D-C1D	4.37	132.43	124.73
22	B	816	CLA	C2B-C1B-NB	4.37	114.86	110.33
29	6	315	5X6	C42-C13-C14	-4.37	115.73	122.82
22	1	309	CLA	C3D-C2D-C1D	-4.37	99.86	105.83
22	B	822	CLA	C3C-C4C-NC	4.37	116.03	110.43
22	B	837	CLA	C2B-C1B-NB	4.37	114.86	110.33
22	B	810	CLA	C3C-C4C-NC	4.37	116.03	110.43
22	A	829	CLA	C3B-C2B-C1B	-4.37	102.02	107.17
22	B	822	CLA	C3D-C2D-C1D	-4.37	99.87	105.83
22	A	805	CLA	C3D-C2D-C1D	-4.37	99.87	105.83
22	1	305	CLA	C3B-C2B-C1B	-4.37	102.02	107.17
22	7	310	CLA	C3D-C2D-C1D	-4.37	99.87	105.83
22	7	303	CLA	CHD-C1D-ND	-4.37	118.66	124.80
22	2	304	CLA	C4-C3-C5	4.37	122.81	115.23
22	A	811	CLA	C3D-C4D-ND	4.37	117.08	109.99
29	7	314	5X6	C38-C30-C31	-4.37	106.39	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	806	CLA	C3D-C4D-ND	4.36	117.08	109.99
22	B	819	CLA	C3D-C2D-C1D	-4.36	99.88	105.83
22	B	830	CLA	C2B-C1B-NB	4.36	114.85	110.33
22	B	836	CLA	C3D-C4D-ND	4.36	117.07	109.99
22	L	205	CLA	C3B-C2B-C1B	-4.36	102.03	107.17
22	A	812	CLA	O2D-CGD-CBD	4.36	118.85	111.23
22	5	301	CLA	C3D-C4D-ND	4.36	117.07	109.99
22	A	827	CLA	CMD-C2D-C1D	4.36	132.40	124.73
22	A	837	CLA	O2D-CGD-O1D	-4.36	115.37	123.85
22	4	302	CLA	C3D-C2D-C1D	-4.36	99.88	105.83
22	2	306	CLA	CHD-C1D-ND	-4.36	118.67	124.80
22	B	818	CLA	C2B-C1B-NB	4.36	114.84	110.33
22	5	306	CLA	C3D-C2D-C1D	-4.36	99.89	105.83
29	M	101	5X6	C27-C26-C25	-4.36	112.16	119.01
22	3	304	CLA	C3B-C2B-C1B	-4.35	102.04	107.17
22	3	302	CLA	CHD-C1D-ND	-4.35	118.68	124.80
22	4	310	CLA	O2D-CGD-CBD	4.35	118.84	111.23
22	7	303	CLA	CHD-C4C-C3C	-4.35	118.43	124.77
29	B	851	5X6	C14-C15-C16	-4.35	110.60	123.20
22	B	822	CLA	CAC-C3C-C4C	4.35	130.45	124.79
29	1	314	5X6	C23-C22-C21	-4.35	112.17	119.01
22	O	204	CLA	C2C-C1C-NC	4.35	114.55	109.98
22	A	839	CLA	C2C-C1C-NC	4.35	114.55	109.98
22	4	305	CLA	O2D-CGD-CBD	4.35	118.83	111.23
22	5	309	CLA	C2B-C1B-NB	4.34	114.83	110.33
22	B	825	CLA	C3D-C4D-ND	4.34	117.05	109.99
22	A	817	CLA	C3D-C2D-C1D	-4.34	99.91	105.83
22	2	308	CLA	C3D-C2D-C1D	-4.34	99.91	105.83
22	3	304	CLA	CHD-C1D-ND	-4.34	118.69	124.80
22	A	813	CLA	C2B-C1B-NB	4.34	114.83	110.33
22	B	816	CLA	C2C-C1C-NC	4.34	114.54	109.98
22	1	304	CLA	C3D-C4D-ND	4.34	117.04	109.99
22	L	204	CLA	C2C-C1C-NC	4.34	114.54	109.98
22	A	816	CLA	O2D-CGD-CBD	4.34	118.81	111.23
22	A	821	CLA	C3C-C4C-NC	4.33	115.98	110.43
22	B	817	CLA	C3D-C4D-ND	4.33	117.03	109.99
22	6	314	CLA	C3B-C2B-C1B	-4.33	102.06	107.17
22	B	821	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
22	1	305	CLA	C3D-C4D-ND	4.33	117.03	109.99
22	B	809	CLA	C1C-C2C-C3C	-4.33	102.43	106.98
22	2	303	CLA	C4A-NA-C1A	-4.33	104.70	106.68
29	1	311	5X6	C40-C22-C21	-4.33	115.80	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	6	312	CLA	C2C-C1C-NC	4.33	114.53	109.98
22	2	302	CLA	CAC-C3C-C4C	4.33	130.42	124.79
22	A	833	CLA	C3D-C2D-C1D	-4.33	99.93	105.83
22	B	834	CLA	C2B-C1B-NB	4.33	114.81	110.33
22	A	812	CLA	CMD-C2D-C1D	4.33	132.34	124.73
22	7	313	CLA	CHD-C1D-ND	-4.32	118.72	124.80
22	5	301	CLA	C2B-C1B-NB	4.32	114.81	110.33
22	B	828	CLA	C3B-C2B-C1B	-4.32	102.08	107.17
22	A	857	CLA	CHD-C1D-ND	-4.32	118.72	124.80
22	A	835	CLA	CMD-C2D-C1D	4.32	132.34	124.73
22	A	839	CLA	C3C-C4C-NC	4.32	115.97	110.43
29	1	311	5X6	C41-C17-C18	-4.32	115.82	122.82
22	A	822	CLA	C2B-C1B-NB	4.31	114.80	110.33
22	A	802	CLA	C3D-C4D-ND	4.31	117.00	109.99
22	4	312	CLA	C3D-C2D-C1D	-4.31	99.95	105.83
22	Z	201	CLA	C3D-C4D-ND	4.31	117.00	109.99
22	O	206	CLA	C3D-C2D-C1D	-4.31	99.95	105.83
22	O	203	CLA	C2B-C1B-NB	4.31	114.80	110.33
22	A	858	CLA	O2D-CGD-CBD	4.31	118.77	111.23
22	B	824	CLA	C3B-C2B-C1B	-4.31	102.09	107.17
22	A	807	CLA	C3B-C2B-C1B	-4.31	102.09	107.17
22	5	308	CLA	C3B-C2B-C1B	-4.31	102.09	107.17
22	2	304	CLA	C4A-NA-C1A	-4.31	104.71	106.68
22	B	804	CLA	CAA-C2A-C3A	-4.31	101.36	113.00
22	A	858	CLA	C2B-C1B-NB	4.31	114.79	110.33
22	6	308	CLA	C3B-C2B-C1B	-4.31	102.09	107.17
29	5	314	5X6	C12-C13-C14	-4.31	112.24	119.01
22	5	302	CLA	C2B-C1B-NB	4.30	114.79	110.33
22	A	822	CLA	C3B-C2B-C1B	-4.30	102.10	107.17
22	A	824	CLA	C2C-C1C-NC	4.30	114.50	109.98
22	F	205	CLA	O2D-CGD-CBD	4.30	118.75	111.23
29	7	317	5X6	C23-C22-C21	-4.30	112.24	119.01
22	B	838	CLA	C2B-C1B-NB	4.30	114.79	110.33
22	A	808	CLA	C2B-C1B-NB	4.30	114.79	110.33
22	B	829	CLA	C3D-C4D-ND	4.30	116.98	109.99
22	B	827	CLA	C3B-C2B-C1B	-4.30	102.10	107.17
22	A	834	CLA	C2C-C1C-NC	4.30	114.50	109.98
22	B	835	CLA	C3C-C4C-NC	4.30	115.94	110.43
22	3	301	CLA	C3B-C2B-C1B	-4.30	102.11	107.17
22	B	801	CLA	C3D-C2D-C1D	-4.30	99.97	105.83
22	A	808	CLA	C3D-C2D-C1D	-4.29	99.97	105.83
29	2	313	5X6	C12-C11-C03	-4.29	115.53	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	F	205	CLA	C3C-C4C-NC	4.29	115.93	110.43
22	B	808	CLA	C3D-C4D-ND	4.29	116.97	109.99
22	A	829	CLA	C2C-C1C-NC	4.29	114.49	109.98
22	4	309	CLA	C3B-C2B-C1B	-4.29	102.11	107.17
29	7	316	5X6	C15-C16-C17	-4.29	114.60	126.36
22	4	310	CLA	C3D-C4D-ND	4.29	116.96	109.99
22	4	308	CLA	CHD-C1D-ND	-4.29	118.77	124.80
22	A	812	CLA	C3C-C4C-NC	4.29	115.92	110.43
22	B	809	CLA	C3D-C4D-ND	4.29	116.96	109.99
22	3	303	CLA	CHD-C1D-ND	-4.29	118.77	124.80
22	4	306	CLA	C4A-NA-C1A	-4.29	104.72	106.68
22	A	810	CLA	C3D-C4D-ND	4.29	116.96	109.99
22	A	809	CLA	CHD-C1D-ND	-4.29	118.77	124.80
22	6	304	CLA	C2B-C1B-NB	4.29	114.77	110.33
29	4	313	5X6	C24-C23-C22	-4.29	114.61	126.36
29	7	314	5X6	C41-C17-C16	-4.29	111.54	118.09
22	6	313	CLA	C3D-C4D-ND	4.28	116.95	109.99
29	Z	206	5X6	C25-C24-C23	-4.28	110.79	123.20
22	1	307	CLA	CAA-C2A-C3A	-4.28	101.43	113.00
29	6	316	5X6	C11-C03-C02	-4.28	111.69	121.56
22	B	820	CLA	C2B-C1B-NB	4.28	114.77	110.33
22	B	828	CLA	C2B-C1B-NB	4.28	114.77	110.33
22	A	815	CLA	C3D-C4D-ND	4.28	116.95	109.99
22	B	815	CLA	C3D-C2D-C1D	-4.28	99.99	105.83
22	7	307	CLA	CHD-C1D-ND	-4.28	118.78	124.80
22	7	312	CLA	C3B-C2B-C1B	-4.28	102.12	107.17
22	2	310	CLA	CHD-C1D-ND	-4.28	118.78	124.80
22	6	311	CLA	C2C-C1C-NC	4.28	114.48	109.98
22	F	204	CLA	CAC-C3C-C4C	4.28	130.36	124.79
29	7	316	5X6	C40-C22-C21	-4.28	115.89	122.82
22	4	312	CLA	C3B-C2B-C1B	-4.28	102.13	107.17
22	2	310	CLA	C2C-C1C-NC	4.27	114.47	109.98
25	L	206	BCR	C8-C9-C10	4.27	125.73	119.01
22	6	311	CLA	O2D-CGD-CBD	4.27	118.70	111.23
29	2	312	5X6	C39-C26-C25	-4.27	115.89	122.82
22	B	812	CLA	C3B-C2B-C1B	-4.27	102.13	107.17
22	B	839	CLA	C2C-C1C-NC	4.27	114.47	109.98
21	A	801	CL0	CAA-C2A-C3A	-4.27	101.46	113.00
22	B	816	CLA	O2D-CGD-O1D	-4.27	115.53	123.85
22	A	810	CLA	C3C-C4C-NC	4.27	115.90	110.43
22	B	805	CLA	C2C-C1C-NC	4.27	114.47	109.98
22	A	825	CLA	C3C-C4C-NC	4.27	115.90	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	7	303	CLA	C3D-C2D-C1D	-4.27	100.01	105.83
29	3	306	5X6	C42-C13-C12	-4.27	111.57	118.09
22	A	839	CLA	C3D-C4D-ND	4.27	116.92	109.99
22	7	308	CLA	CHD-C1D-ND	-4.26	118.80	124.80
22	A	823	CLA	CAC-C3C-C4C	4.26	130.34	124.79
22	L	203	CLA	C3D-C4D-ND	4.26	116.92	109.99
29	5	313	5X6	C39-C26-C25	-4.26	115.91	122.82
22	A	805	CLA	C4A-NA-C1A	-4.26	104.73	106.68
22	3	304	CLA	C2C-C1C-NC	4.26	114.46	109.98
22	5	305	CLA	CHD-C1D-ND	-4.26	118.81	124.80
22	4	305	CLA	C3D-C2D-C1D	-4.26	100.02	105.83
29	4	314	5X6	C27-C28-C29	-4.26	115.62	127.00
22	A	816	CLA	C3B-C2B-C1B	-4.26	102.15	107.17
22	A	806	CLA	C3C-C4C-NC	4.26	115.88	110.43
22	2	305	CLA	C2C-C1C-NC	4.25	114.45	109.98
22	O	205	CLA	O2D-CGD-CBD	4.25	118.67	111.23
22	O	203	CLA	C1D-CHD-C4C	-4.25	116.98	126.02
22	4	306	CLA	CHD-C1D-ND	-4.25	118.81	124.80
22	B	820	CLA	C2C-C1C-NC	4.25	114.45	109.98
22	B	808	CLA	C3C-C4C-NC	4.25	115.88	110.43
29	6	316	5X6	C20-C19-C18	-4.25	114.82	123.52
22	B	812	CLA	C2C-C1C-NC	4.25	114.44	109.98
29	Z	206	5X6	C41-C17-C18	-4.25	115.93	122.82
22	2	311	CLA	CHD-C1D-ND	-4.25	118.83	124.80
29	7	316	5X6	C11-C03-C02	-4.25	111.77	121.56
22	A	829	CLA	C3D-C2D-C1D	-4.25	100.04	105.83
22	1	308	CLA	CHD-C1D-ND	-4.25	118.83	124.80
25	A	845	BCR	C34-C9-C8	4.25	124.57	118.09
22	B	834	CLA	C3C-C4C-NC	4.24	115.87	110.43
22	F	204	CLA	C3D-C4D-ND	4.24	116.88	109.99
22	2	306	CLA	C3B-C2B-C1B	-4.24	102.17	107.17
22	7	311	CLA	CHD-C1D-ND	-4.24	118.83	124.80
22	B	815	CLA	C2B-C1B-NB	4.24	114.72	110.33
25	F	201	BCR	C34-C9-C8	4.24	124.56	118.09
29	1	313	5X6	C25-C24-C23	-4.24	110.92	123.20
22	7	309	CLA	C3B-C2B-C1B	-4.24	102.17	107.17
22	4	302	CLA	C2C-C1C-NC	4.24	114.43	109.98
22	B	819	CLA	CHD-C1D-ND	-4.24	118.84	124.80
22	Z	201	CLA	CHD-C1D-ND	-4.24	118.84	124.80
29	1	311	5X6	C24-C23-C22	-4.23	114.75	126.36
22	3	305	CLA	CHD-C1D-ND	-4.23	118.84	124.80
22	Z	204	CLA	C1C-C2C-C3C	-4.23	102.53	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	Z	206	5X6	C27-C28-C29	-4.23	115.69	127.00
22	7	313	CLA	C2C-C1C-NC	4.23	114.43	109.98
22	4	310	CLA	CAC-C3C-C2C	-4.23	119.78	127.56
29	7	317	5X6	C12-C11-C03	-4.23	115.70	127.00
22	A	857	CLA	C3B-C2B-C1B	-4.23	102.18	107.17
22	2	302	CLA	C3D-C4D-ND	4.23	116.86	109.99
22	6	312	CLA	CHD-C1D-ND	-4.23	118.85	124.80
29	7	314	5X6	C19-C20-C21	-4.23	114.87	123.52
22	O	203	CLA	C3D-C4D-ND	4.23	116.86	109.99
22	1	302	CLA	C4A-NA-C1A	-4.23	104.75	106.68
29	5	314	5X6	C27-C26-C25	-4.23	112.36	119.01
22	5	309	CLA	C2C-C1C-NC	4.23	114.42	109.98
22	O	205	CLA	C2C-C1C-NC	4.23	114.42	109.98
22	2	303	CLA	CHD-C1D-ND	-4.22	118.86	124.80
22	6	305	CLA	C3D-C4D-ND	4.22	116.84	109.99
29	B	851	5X6	C41-C17-C18	-4.22	115.98	122.82
22	4	312	CLA	CHD-C1D-ND	-4.22	118.87	124.80
29	4	314	5X6	C24-C23-C22	-4.22	114.80	126.36
22	A	808	CLA	C3B-C2B-C1B	-4.22	102.20	107.17
22	4	302	CLA	CAC-C3C-C4C	4.22	130.28	124.79
22	6	313	CLA	CAC-C3C-C4C	4.21	130.27	124.79
22	A	858	CLA	C3C-C4C-NC	4.21	115.83	110.43
22	4	307	CLA	O2D-CGD-CBD	4.21	118.60	111.23
22	7	307	CLA	C3D-C4D-ND	4.21	116.83	109.99
29	5	314	5X6	C01-C02-C07	-4.21	106.67	114.42
22	A	819	CLA	C3D-C2D-C1D	-4.21	100.08	105.83
22	4	309	CLA	CHD-C1D-ND	-4.21	118.88	124.80
29	7	315	5X6	C16-C17-C18	-4.21	112.39	119.01
29	7	314	5X6	C42-C13-C12	-4.21	111.66	118.09
22	A	858	CLA	C3D-C2D-C1D	-4.21	100.09	105.83
22	B	812	CLA	O2D-CGD-CBD	4.20	118.58	111.23
22	A	812	CLA	C2B-C1B-NB	4.20	114.68	110.33
22	O	205	CLA	C3B-C2B-C1B	-4.20	102.22	107.17
22	6	313	CLA	C4A-NA-C1A	-4.20	104.76	106.68
22	B	803	CLA	C3D-C4D-ND	4.20	116.82	109.99
22	A	838	CLA	C2C-C1C-NC	4.20	114.39	109.98
22	A	831	CLA	C4A-NA-C1A	-4.20	104.76	106.68
22	6	307	CLA	CHD-C1D-ND	-4.20	118.89	124.80
22	A	829	CLA	C3D-C4D-ND	4.20	116.81	109.99
22	B	823	CLA	C2B-C1B-NB	4.20	114.68	110.33
22	7	308	CLA	C3D-C2D-C1D	-4.20	100.10	105.83
22	A	819	CLA	C2B-C1B-NB	4.20	114.68	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	L	202	BCR	C37-C22-C23	4.20	124.50	118.09
22	J	102	CLA	C3B-C2B-C1B	-4.20	102.22	107.17
22	A	828	CLA	C4-C3-C5	4.19	122.51	115.23
29	1	313	5X6	C24-C23-C22	-4.19	114.87	126.36
22	A	834	CLA	CHD-C1D-ND	-4.19	118.91	124.80
22	5	308	CLA	C2C-C1C-NC	4.19	114.38	109.98
22	A	825	CLA	C3D-C4D-ND	4.19	116.80	109.99
22	B	801	CLA	C2C-C1C-NC	4.19	114.38	109.98
22	B	820	CLA	C4A-NA-C1A	-4.19	104.77	106.68
29	5	321	5X6	C20-C19-C18	-4.19	114.95	123.52
22	A	822	CLA	O2D-CGD-CBD	4.19	118.55	111.23
29	7	315	5X6	C42-C13-C12	-4.19	111.69	118.09
22	A	805	CLA	C3B-C4B-NB	4.19	114.27	110.53
22	L	203	CLA	C2B-C1B-NB	4.19	114.67	110.33
22	6	309	CLA	C3D-C2D-C1D	-4.18	100.12	105.83
22	2	304	CLA	C2C-C1C-NC	4.18	114.38	109.98
22	A	826	CLA	CAC-C3C-C4C	4.18	130.23	124.79
22	B	824	CLA	C2B-C1B-NB	4.18	114.66	110.33
29	O	207	5X6	C01-C02-C07	-4.18	106.73	114.42
29	Z	206	5X6	C20-C19-C18	-4.18	114.97	123.52
22	4	306	CLA	C3B-C2B-C1B	-4.18	102.25	107.17
22	B	829	CLA	C2B-C1B-NB	4.18	114.66	110.33
22	O	205	CLA	CHD-C1D-ND	-4.18	118.92	124.80
22	B	814	CLA	C2B-C1B-NB	4.18	114.66	110.33
22	5	309	CLA	O2D-CGD-CBD	4.17	118.53	111.23
22	6	314	CLA	CHD-C1D-ND	-4.17	118.93	124.80
22	5	311	CLA	CHD-C1D-ND	-4.17	118.93	124.80
22	O	206	CLA	CHD-C1D-ND	-4.17	118.93	124.80
22	A	837	CLA	CAC-C3C-C4C	4.17	130.22	124.79
22	7	310	CLA	C3B-C2B-C1B	-4.17	102.25	107.17
22	A	836	CLA	C1C-C2C-C3C	-4.17	102.60	106.98
22	O	204	CLA	CHD-C1D-ND	-4.17	118.94	124.80
22	6	306	CLA	CHD-C1D-ND	-4.16	118.95	124.80
22	5	305	CLA	C3B-C2B-C1B	-4.16	102.27	107.17
22	4	311	CLA	CHD-C1D-ND	-4.16	118.95	124.80
22	B	805	CLA	C3B-C2B-C1B	-4.16	102.27	107.17
29	6	317	5X6	C15-C16-C17	-4.16	114.97	126.36
22	6	309	CLA	C2C-C1C-NC	4.15	114.35	109.98
22	4	306	CLA	O2D-CGD-CBD	4.15	118.49	111.23
22	5	307	CLA	CHD-C1D-ND	-4.15	118.96	124.80
29	6	316	5X6	C01-C02-C07	-4.15	106.78	114.42
29	1	312	5X6	C20-C19-C18	-4.15	115.02	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	K	102	CLA	C2B-C1B-NB	4.15	114.63	110.33
29	3	306	5X6	C12-C11-C03	-4.15	115.91	127.00
22	A	835	CLA	C3D-C4D-ND	4.15	116.73	109.99
22	B	822	CLA	O2D-CGD-O1D	-4.15	115.77	123.85
22	A	859	CLA	C3B-C4B-NB	4.14	114.23	110.53
22	B	850	CLA	CHD-C1D-ND	-4.14	118.97	124.80
22	B	834	CLA	C3D-C4D-ND	4.14	116.72	109.99
22	A	839	CLA	CAC-C3C-C4C	4.14	130.18	124.79
22	B	835	CLA	C4A-NA-C1A	-4.14	104.79	106.68
29	M	101	5X6	C40-C22-C23	-4.14	111.76	118.09
22	6	311	CLA	C3C-C4C-NC	4.14	115.74	110.43
22	B	822	CLA	C2B-C1B-NB	4.14	114.62	110.33
22	A	805	CLA	C3B-C2B-C1B	-4.14	102.29	107.17
22	2	310	CLA	C3B-C2B-C1B	-4.14	102.29	107.17
22	5	306	CLA	O2D-CGD-CBD	4.14	118.46	111.23
22	B	807	CLA	CHD-C1D-ND	-4.14	118.98	124.80
22	A	821	CLA	C2B-C1B-NB	4.14	114.62	110.33
22	5	306	CLA	C3D-C4D-ND	4.14	116.71	109.99
22	6	305	CLA	C4A-NA-C1A	-4.14	104.79	106.68
22	A	805	CLA	C2B-C1B-NB	4.13	114.61	110.33
29	5	313	5X6	C15-C16-C17	-4.13	115.03	126.36
22	B	810	CLA	C3B-C2B-C1B	-4.13	102.30	107.17
22	7	303	CLA	C4A-NA-C1A	-4.13	104.80	106.68
22	B	807	CLA	C2C-C1C-NC	4.13	114.32	109.98
22	A	832	CLA	O2D-CGD-O1D	-4.13	115.81	123.85
22	4	308	CLA	C3B-C2B-C1B	-4.13	102.30	107.17
22	O	204	CLA	C3B-C2B-C1B	-4.13	102.31	107.17
22	6	306	CLA	C4-C3-C5	4.13	122.39	115.23
22	7	312	CLA	CHD-C1D-ND	-4.13	119.00	124.80
22	1	307	CLA	O2A-CGA-CBA	4.12	124.41	111.83
22	6	308	CLA	CHD-C1D-ND	-4.12	119.00	124.80
22	A	827	CLA	C3D-C2D-C1D	-4.12	100.21	105.83
22	A	828	CLA	C4A-NA-C1A	-4.12	104.80	106.68
22	A	827	CLA	C1C-C2C-C3C	-4.12	102.65	106.98
22	A	818	CLA	C2B-C1B-NB	4.12	114.60	110.33
22	B	834	CLA	C3B-C2B-C1B	-4.12	102.32	107.17
29	5	321	5X6	C41-C17-C18	-4.12	116.15	122.82
22	4	309	CLA	C2C-C1C-NC	4.11	114.30	109.98
25	A	845	BCR	C30-C25-C26	-4.11	117.02	122.64
22	B	804	CLA	C3C-C4C-NC	4.11	115.70	110.43
22	F	205	CLA	C4A-NA-C1A	-4.11	104.80	106.68
22	B	832	CLA	C2C-C1C-NC	4.11	114.30	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	L	205	CLA	C2C-C1C-NC	4.11	114.30	109.98
22	7	305	CLA	C3D-C4D-ND	4.11	116.67	109.99
22	A	837	CLA	C3B-C2B-C1B	-4.11	102.33	107.17
22	A	811	CLA	O2D-CGD-CBD	4.11	118.41	111.23
22	B	838	CLA	C4-C3-C5	4.11	122.36	115.23
22	B	831	CLA	C3D-C2D-C1D	-4.10	100.23	105.83
22	1	310	CLA	C4A-NA-C1A	-4.10	104.81	106.68
22	2	309	CLA	C3B-C2B-C1B	-4.10	102.33	107.17
29	7	315	5X6	C11-C03-C02	-4.10	112.11	121.56
29	7	316	5X6	C01-C02-C07	-4.10	106.88	114.42
22	A	848	CLA	C2C-C1C-NC	4.10	114.29	109.98
29	5	321	5X6	C27-C26-C25	-4.10	112.56	119.01
22	B	812	CLA	C3D-C4D-ND	4.10	116.65	109.99
22	7	310	CLA	C4A-NA-C1A	-4.10	104.81	106.68
22	B	823	CLA	C3C-C4C-NC	4.10	115.68	110.43
22	7	306	CLA	C3B-C2B-C1B	-4.10	102.34	107.17
22	A	819	CLA	C3C-C4C-NC	4.10	115.68	110.43
22	5	304	CLA	O2D-CGD-CBD	4.09	118.39	111.23
22	B	814	CLA	C3C-C4C-NC	4.09	115.67	110.43
22	B	812	CLA	CAC-C3C-C4C	4.09	130.12	124.79
29	6	317	5X6	C27-C26-C25	-4.09	112.57	119.01
22	7	313	CLA	C4A-NA-C1A	-4.09	104.81	106.68
22	B	815	CLA	C2C-C1C-NC	4.09	114.28	109.98
22	1	310	CLA	CHD-C1D-ND	-4.09	119.05	124.80
22	1	308	CLA	C3B-C2B-C1B	-4.09	102.35	107.17
22	B	850	CLA	C3B-C2B-C1B	-4.09	102.35	107.17
22	A	857	CLA	C1C-C2C-C3C	-4.09	102.68	106.98
22	A	802	CLA	C3C-C4C-NC	4.09	115.67	110.43
22	A	829	CLA	C2B-C1B-NB	4.09	114.56	110.33
29	6	317	5X6	C23-C22-C21	-4.09	112.58	119.01
22	J	102	CLA	CHD-C1D-ND	-4.09	119.05	124.80
22	1	306	CLA	CHD-C1D-ND	-4.08	119.05	124.80
22	B	837	CLA	CAC-C3C-C4C	4.08	130.10	124.79
22	O	203	CLA	C4A-NA-C1A	-4.08	104.82	106.68
22	B	826	CLA	C3C-C4C-NC	4.08	115.66	110.43
22	1	302	CLA	C3B-C2B-C1B	-4.08	102.36	107.17
22	5	308	CLA	CHD-C1D-ND	-4.08	119.06	124.80
22	1	307	CLA	C4-C3-C5	4.08	122.31	115.23
22	B	812	CLA	C3C-C4C-NC	4.08	115.66	110.43
22	2	311	CLA	C2C-C1C-NC	4.08	114.27	109.98
22	2	305	CLA	CAC-C3C-C4C	4.08	130.10	124.79
22	B	837	CLA	C4A-NA-C1A	-4.08	104.82	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	1	313	5X6	C12-C13-C14	-4.08	112.59	119.01
22	A	857	CLA	C4A-NA-C1A	-4.08	104.82	106.68
29	2	313	5X6	C15-C16-C17	-4.08	115.19	126.36
29	B	851	5X6	C27-C28-C29	-4.08	116.11	127.00
22	1	310	CLA	C2C-C1C-NC	4.07	114.26	109.98
22	A	820	CLA	C3C-C4C-NC	4.07	115.65	110.43
22	1	303	CLA	C4A-NA-C1A	-4.07	104.82	106.68
22	A	859	CLA	C1C-C2C-C3C	-4.07	102.69	106.98
22	L	205	CLA	C3C-C4C-NC	4.07	115.65	110.43
22	1	309	CLA	C3B-C2B-C1B	-4.07	102.37	107.17
22	B	818	CLA	C3D-C2D-C1D	-4.07	100.27	105.83
22	A	803	CLA	C1C-C2C-C3C	-4.07	102.70	106.98
22	6	313	CLA	C2C-C1C-NC	4.07	114.26	109.98
22	B	829	CLA	C3C-C4C-NC	4.07	115.64	110.43
29	7	317	5X6	C20-C19-C18	-4.07	115.20	123.52
22	L	203	CLA	C3B-C2B-C1B	-4.07	102.38	107.17
22	7	311	CLA	C3B-C2B-C1B	-4.07	102.38	107.17
22	3	303	CLA	CAC-C3C-C4C	4.07	130.08	124.79
22	B	802	CLA	C3D-C4D-ND	4.07	116.60	109.99
22	B	806	CLA	C3B-C2B-C1B	-4.07	102.38	107.17
22	A	824	CLA	C3C-C4C-NC	4.07	115.64	110.43
22	7	304	CLA	C3D-C2D-C1D	-4.06	100.28	105.83
22	O	205	CLA	C4A-NA-C1A	-4.06	104.83	106.68
22	A	833	CLA	C2B-C1B-NB	4.06	114.54	110.33
22	A	832	CLA	CAC-C3C-C4C	4.06	130.08	124.79
29	4	315	5X6	C24-C23-C22	-4.06	115.23	126.36
22	A	811	CLA	C2B-C1B-NB	4.06	114.53	110.33
22	A	807	CLA	C3D-C4D-ND	4.06	116.58	109.99
22	A	838	CLA	C3B-C2B-C1B	-4.06	102.39	107.17
22	A	825	CLA	C2C-C1C-NC	4.05	114.24	109.98
22	B	825	CLA	C3C-C4C-NC	4.05	115.62	110.43
22	6	310	CLA	C2C-C1C-NC	4.05	114.24	109.98
22	A	815	CLA	C3B-C2B-C1B	-4.05	102.39	107.17
29	4	314	5X6	C11-C03-C02	-4.05	112.22	121.56
22	A	831	CLA	C3D-C4D-ND	4.05	116.57	109.99
29	1	312	5X6	C42-C13-C14	-4.05	116.25	122.82
22	B	832	CLA	C3C-C4C-NC	4.05	115.62	110.43
22	A	803	CLA	C3B-C2B-C1B	-4.05	102.40	107.17
29	B	851	5X6	C40-C22-C23	-4.05	111.91	118.09
22	A	805	CLA	O2D-CGD-O1D	-4.05	115.97	123.85
22	A	816	CLA	C3C-C4C-NC	4.05	115.61	110.43
22	4	312	CLA	C2C-C1C-NC	4.05	114.23	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	820	CLA	C1C-C2C-C3C	-4.04	102.73	106.98
22	B	802	CLA	C1C-C2C-C3C	-4.04	102.73	106.98
22	A	807	CLA	CAA-C2A-C3A	-4.04	102.07	113.00
29	5	314	5X6	C25-C24-C23	-4.04	111.49	123.20
25	B	843	BCR	C16-C15-C14	4.04	131.79	123.52
22	5	309	CLA	C1D-CHD-C4C	-4.04	117.43	126.02
29	1	311	5X6	C27-C26-C25	-4.04	112.66	119.01
29	6	315	5X6	C14-C15-C16	-4.04	111.50	123.20
22	B	818	CLA	C4A-NA-C1A	-4.04	104.84	106.68
22	A	811	CLA	C3C-C4C-NC	4.03	115.60	110.43
22	2	308	CLA	C3B-C2B-C1B	-4.03	102.41	107.17
22	A	810	CLA	CAC-C3C-C4C	4.03	130.04	124.79
29	1	311	5X6	C42-C13-C12	-4.03	111.93	118.09
22	2	302	CLA	C3B-C2B-C1B	-4.03	102.42	107.17
25	A	844	BCR	C37-C22-C23	4.03	124.24	118.09
22	B	835	CLA	C2C-C1C-NC	4.03	114.21	109.98
22	2	302	CLA	CHD-C1D-ND	-4.03	119.14	124.80
22	B	805	CLA	CHD-C1D-ND	-4.03	119.14	124.80
22	6	312	CLA	C1D-CHD-C4C	-4.02	117.47	126.02
22	B	803	CLA	C1C-C2C-C3C	-4.02	102.75	106.98
22	A	829	CLA	C3C-C4C-NC	4.02	115.58	110.43
22	B	804	CLA	C3D-C4D-ND	4.02	116.52	109.99
29	6	315	5X6	C41-C17-C18	-4.02	116.30	122.82
22	A	812	CLA	C4A-NA-C1A	-4.02	104.84	106.68
22	B	832	CLA	C2B-C1B-NB	4.02	114.49	110.33
22	B	827	CLA	C1C-C2C-C3C	-4.02	102.76	106.98
29	O	207	5X6	C27-C28-C29	-4.02	116.27	127.00
22	1	303	CLA	CAC-C3C-C4C	4.01	130.01	124.79
22	B	805	CLA	C2B-C1B-NB	4.01	114.49	110.33
22	B	818	CLA	CAC-C3C-C4C	4.01	130.01	124.79
22	4	304	CLA	CHD-C1D-ND	-4.01	119.16	124.80
22	B	829	CLA	C1C-C2C-C3C	-4.01	102.76	106.98
22	A	837	CLA	C2B-C1B-NB	4.01	114.48	110.33
22	A	809	CLA	C4A-NA-C1A	-4.01	104.85	106.68
22	B	829	CLA	C4A-NA-C1A	-4.01	104.85	106.68
22	A	838	CLA	C4C-C3C-C2C	-4.01	101.06	106.89
22	A	838	CLA	C2B-C1B-NB	4.01	114.48	110.33
22	5	310	CLA	C4A-NA-C1A	-4.00	104.85	106.68
22	4	307	CLA	C3D-C4D-ND	4.00	116.49	109.99
29	4	313	5X6	C14-C15-C16	-4.00	111.61	123.20
29	4	314	5X6	C40-C22-C21	-4.00	116.33	122.82
22	A	818	CLA	C1C-C2C-C3C	-4.00	102.77	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	309	CLA	CAC-C3C-C4C	4.00	129.99	124.79
22	B	830	CLA	C3C-C4C-NC	4.00	115.55	110.43
29	7	314	5X6	C12-C13-C14	-4.00	112.72	119.01
22	A	805	CLA	C3C-C4C-NC	4.00	115.55	110.43
22	B	835	CLA	O2D-CGD-O1D	-4.00	116.07	123.85
22	F	204	CLA	C3B-C2B-C1B	-4.00	102.46	107.17
22	1	303	CLA	CHD-C1D-ND	-4.00	119.18	124.80
29	B	851	5X6	C12-C13-C14	-4.00	112.72	119.01
22	5	303	CLA	C3D-C4D-ND	4.00	116.48	109.99
22	B	816	CLA	C3D-C4D-ND	4.00	116.48	109.99
22	B	817	CLA	C2C-C1C-NC	3.99	114.18	109.98
22	1	305	CLA	C4A-NA-C1A	-3.99	104.86	106.68
29	3	306	5X6	C16-C17-C18	-3.99	112.73	119.01
22	6	312	CLA	C3B-C2B-C1B	-3.99	102.47	107.17
22	A	826	CLA	C2B-C1B-NB	3.99	114.46	110.33
29	7	314	5X6	C01-C02-C07	-3.99	107.09	114.42
22	B	827	CLA	C3D-C4D-ND	3.99	116.47	109.99
22	6	305	CLA	CHD-C1D-ND	-3.98	119.20	124.80
22	1	306	CLA	C3B-C4B-NB	3.98	114.08	110.53
25	A	843	BCR	C30-C25-C26	-3.98	117.19	122.64
22	Z	201	CLA	C2C-C1C-NC	3.98	114.16	109.98
22	5	306	CLA	C2B-C1B-NB	3.98	114.45	110.33
22	B	823	CLA	C4A-NA-C1A	-3.98	104.86	106.68
22	A	836	CLA	C3B-C4B-NB	3.98	114.08	110.53
22	K	102	CLA	CAC-C3C-C4C	3.98	129.97	124.79
22	A	804	CLA	C3B-C4B-NB	3.98	114.08	110.53
22	6	309	CLA	CHD-C1D-ND	-3.98	119.20	124.80
22	B	805	CLA	CAC-C3C-C4C	3.98	129.97	124.79
22	6	308	CLA	C1C-C2C-C3C	-3.98	102.80	106.98
22	1	304	CLA	CAC-C3C-C4C	3.98	129.96	124.79
22	Z	201	CLA	O2D-CGD-CBD	3.97	118.18	111.23
29	6	315	5X6	C15-C16-C17	-3.97	115.47	126.36
29	7	315	5X6	C40-C22-C21	-3.97	116.38	122.82
22	B	816	CLA	C1D-CHD-C4C	-3.97	117.58	126.02
22	7	305	CLA	CHD-C1D-ND	-3.97	119.22	124.80
22	A	832	CLA	C2B-C1B-NB	3.97	114.44	110.33
22	B	821	CLA	C1D-CHD-C4C	-3.97	117.58	126.02
22	4	307	CLA	C1D-CHD-C4C	-3.97	117.58	126.02
29	4	313	5X6	C41-C17-C18	-3.97	116.39	122.82
22	6	303	CLA	C1C-C2C-C3C	-3.97	102.81	106.98
22	5	302	CLA	C2C-C1C-NC	3.97	114.15	109.98
22	K	102	CLA	C3C-C4C-NC	3.97	115.51	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	2	312	5X6	C23-C22-C21	-3.97	112.77	119.01
29	M	101	5X6	C23-C22-C21	-3.96	112.78	119.01
29	7	315	5X6	C41-C17-C16	-3.96	112.04	118.09
22	B	813	CLA	C2B-C1B-NB	3.96	114.43	110.33
29	7	315	5X6	C39-C26-C25	-3.96	116.41	122.82
22	Z	201	CLA	C2B-C1B-NB	3.96	114.43	110.33
22	B	831	CLA	C3B-C4B-NB	3.96	114.06	110.53
22	J	102	CLA	CAC-C3C-C4C	3.95	129.94	124.79
29	O	207	5X6	C24-C23-C22	-3.95	115.52	126.36
22	A	859	CLA	C3B-C2B-C1B	-3.95	102.51	107.17
22	A	835	CLA	C2B-C1B-NB	3.95	114.42	110.33
29	1	311	5X6	C12-C13-C14	-3.95	112.79	119.01
22	A	816	CLA	C3D-C2D-C1D	-3.95	100.44	105.83
22	B	827	CLA	CAC-C3C-C4C	3.95	129.93	124.79
22	B	830	CLA	C1C-C2C-C3C	-3.95	102.83	106.98
29	J	104	5X6	C14-C15-C16	-3.95	111.76	123.20
22	A	813	CLA	C1C-C2C-C3C	-3.95	102.83	106.98
29	6	317	5X6	C35-C34-C29	3.95	116.43	110.24
22	1	303	CLA	C1D-CHD-C4C	-3.95	117.63	126.02
22	B	825	CLA	CHD-C1D-ND	-3.94	119.25	124.80
22	6	303	CLA	CHD-C1D-ND	-3.94	119.25	124.80
22	A	833	CLA	C1-O2A-CGA	3.94	126.19	116.65
29	5	313	5X6	C27-C26-C25	-3.94	112.81	119.01
22	7	304	CLA	CHD-C1D-ND	-3.94	119.26	124.80
22	B	849	CLA	C2B-C1B-NB	3.94	114.41	110.33
22	7	306	CLA	CAC-C3C-C4C	3.94	129.92	124.79
22	A	805	CLA	CAC-C3C-C4C	3.94	129.91	124.79
29	Z	206	5X6	C14-C15-C16	-3.94	111.79	123.20
29	4	313	5X6	C27-C28-C29	-3.94	116.48	127.00
22	A	806	CLA	C2B-C1B-NB	3.94	114.41	110.33
22	A	837	CLA	CHD-C1D-ND	-3.93	119.27	124.80
22	5	302	CLA	CHD-C1D-ND	-3.93	119.27	124.80
22	A	821	CLA	O2D-CGD-O1D	-3.93	116.19	123.85
22	F	204	CLA	C2B-C1B-NB	3.93	114.40	110.33
22	B	810	CLA	C4A-NA-C1A	-3.93	104.89	106.68
29	4	314	5X6	C39-C26-C25	-3.93	116.45	122.82
22	6	303	CLA	C3B-C2B-C1B	-3.93	102.54	107.17
22	B	823	CLA	C4C-C3C-C2C	-3.93	101.17	106.89
22	A	820	CLA	CHD-C1D-ND	-3.93	119.27	124.80
22	A	821	CLA	C3B-C2B-C1B	-3.93	102.54	107.17
22	5	308	CLA	O2D-CGD-CBD	3.93	118.09	111.23
29	2	314	5X6	C24-C23-C22	-3.93	115.60	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	5	307	CLA	C4A-NA-C1A	-3.93	104.89	106.68
22	K	101	CLA	CHD-C1D-ND	-3.92	119.28	124.80
22	6	303	CLA	C4A-NA-C1A	-3.92	104.89	106.68
22	B	808	CLA	CAC-C3C-C4C	3.92	129.89	124.79
22	A	826	CLA	CHD-C1D-ND	-3.92	119.28	124.80
22	A	823	CLA	C3D-C4D-ND	3.92	116.36	109.99
22	L	204	CLA	C3C-C4C-NC	3.92	115.45	110.43
29	5	313	5X6	C41-C17-C18	-3.92	116.47	122.82
29	1	313	5X6	C12-C11-C03	-3.92	116.54	127.00
22	B	813	CLA	C4A-NA-C1A	-3.91	104.89	106.68
25	A	846	BCR	C34-C9-C10	-3.91	116.47	122.82
22	6	306	CLA	C1C-C2C-C3C	-3.91	102.86	106.98
29	6	315	5X6	C24-C23-C22	-3.91	115.65	126.36
22	1	302	CLA	CAC-C3C-C4C	3.91	129.88	124.79
22	B	803	CLA	C3C-C4C-NC	3.91	115.44	110.43
22	A	820	CLA	C2B-C1B-NB	3.91	114.38	110.33
22	F	205	CLA	C2C-C1C-NC	3.91	114.08	109.98
22	F	206	CLA	C1D-CHD-C4C	-3.91	117.72	126.02
22	B	834	CLA	CAC-C3C-C4C	3.90	129.87	124.79
22	B	838	CLA	CAC-C3C-C4C	3.90	129.87	124.79
25	L	206	BCR	C1-C6-C5	-3.90	117.30	122.64
22	A	813	CLA	C3B-C4B-NB	3.90	114.02	110.53
22	K	102	CLA	C3B-C2B-C1B	-3.90	102.57	107.17
29	Z	206	5X6	C23-C22-C21	-3.90	112.87	119.01
22	5	301	CLA	C4A-NA-C1A	-3.90	104.90	106.68
22	A	803	CLA	C4B-C3B-C2B	-3.90	102.45	107.30
22	O	203	CLA	C3B-C4B-NB	3.90	114.01	110.53
22	B	835	CLA	CAC-C3C-C4C	3.90	129.87	124.79
22	4	307	CLA	C4A-NA-C1A	-3.90	104.90	106.68
22	B	802	CLA	C2B-C1B-NB	3.90	114.37	110.33
22	B	812	CLA	C1-O2A-CGA	3.90	126.09	116.65
22	B	833	CLA	O2D-CGD-CBD	3.90	118.05	111.23
22	B	801	CLA	C3D-C4D-ND	3.90	116.32	109.99
22	B	832	CLA	CHD-C1D-ND	-3.90	119.32	124.80
22	6	305	CLA	O2D-CGD-CBD	3.90	118.04	111.23
29	4	315	5X6	C42-C13-C12	-3.90	112.14	118.09
22	A	818	CLA	CHD-C1D-ND	-3.89	119.33	124.80
22	A	823	CLA	C3B-C4B-NB	3.89	114.00	110.53
22	B	839	CLA	C3C-C4C-NC	3.89	115.42	110.43
22	4	311	CLA	C3C-C4C-NC	3.89	115.42	110.43
22	1	305	CLA	CHD-C1D-ND	-3.89	119.33	124.80
22	4	305	CLA	C3B-C4B-NB	3.89	114.00	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	5	307	CLA	C3B-C4B-NB	3.89	114.00	110.53
29	6	316	5X6	C12-C13-C14	-3.89	112.89	119.01
22	B	815	CLA	CHD-C1D-ND	-3.89	119.33	124.80
22	F	206	CLA	C3C-C4C-NC	3.89	115.41	110.43
22	A	831	CLA	CAC-C3C-C4C	3.89	129.85	124.79
29	2	312	5X6	C42-C13-C12	-3.89	112.15	118.09
29	7	318	5X6	C27-C26-C25	-3.89	112.90	119.01
22	A	828	CLA	C3B-C4B-NB	3.88	114.00	110.53
22	O	206	CLA	C4A-NA-C1A	-3.88	104.91	106.68
22	A	828	CLA	C3C-C4C-NC	3.88	115.40	110.43
29	7	318	5X6	C24-C23-C22	-3.88	115.72	126.36
22	A	827	CLA	C1D-CHD-C4C	-3.88	117.77	126.02
22	A	824	CLA	C2B-C1B-NB	3.88	114.35	110.33
22	B	814	CLA	O2D-CGD-O1D	-3.88	116.30	123.85
29	2	314	5X6	C25-C24-C23	-3.88	111.97	123.20
29	7	315	5X6	C12-C13-C14	-3.88	112.91	119.01
22	B	808	CLA	O2D-CGD-O1D	-3.88	116.31	123.85
29	2	313	5X6	C20-C19-C18	-3.87	115.59	123.52
29	1	316	5X6	C28-C29-C30	-3.87	112.63	121.56
29	7	317	5X6	C25-C24-C23	-3.87	111.98	123.20
22	4	303	CLA	CHD-C1D-ND	-3.87	119.35	124.80
22	B	826	CLA	C2B-C1B-NB	3.87	114.34	110.33
22	5	309	CLA	C3B-C2B-C1B	-3.87	102.61	107.17
22	A	832	CLA	C3C-C4C-NC	3.87	115.39	110.43
22	A	857	CLA	C3D-C4D-ND	3.87	116.28	109.99
25	4	316	BCR	C15-C16-C17	3.87	131.44	123.52
22	5	304	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
22	6	304	CLA	C2C-C1C-NC	3.87	114.04	109.98
29	1	316	5X6	C38-C30-C31	-3.87	107.31	114.42
22	6	311	CLA	C4A-NA-C1A	-3.87	104.92	106.68
29	5	312	5X6	C40-C22-C21	-3.87	116.55	122.82
22	A	805	CLA	CHD-C1D-ND	-3.87	119.36	124.80
22	6	313	CLA	CHD-C1D-ND	-3.86	119.36	124.80
22	B	833	CLA	C1C-C2C-C3C	-3.86	102.92	106.98
29	J	104	5X6	C15-C16-C17	-3.86	115.78	126.36
29	O	208	5X6	C27-C28-C29	-3.86	116.69	127.00
22	A	830	CLA	C1C-C2C-C3C	-3.86	102.92	106.98
22	B	820	CLA	C3B-C2B-C1B	-3.86	102.62	107.17
22	B	809	CLA	C3B-C2B-C1B	-3.85	102.63	107.17
22	4	302	CLA	CHD-C1D-ND	-3.85	119.38	124.80
28	B	845	DGD	O2G-C1B-C2B	3.85	119.81	111.48
22	B	829	CLA	CHD-C1D-ND	-3.85	119.39	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	3	306	5X6	C41-C17-C16	-3.85	112.21	118.09
22	L	203	CLA	C1C-C2C-C3C	-3.85	102.93	106.98
22	5	310	CLA	CHD-C1D-ND	-3.85	119.39	124.80
29	3	306	5X6	C12-C13-C14	-3.85	112.96	119.01
22	A	826	CLA	C4C-C3C-C2C	-3.85	101.29	106.89
25	I	102	BCR	C34-C9-C8	3.85	123.96	118.09
25	Z	202	BCR	C34-C9-C8	3.84	123.96	118.09
22	B	813	CLA	C3B-C4B-NB	3.84	113.96	110.53
22	L	205	CLA	C1D-CHD-C4C	-3.84	117.85	126.02
22	L	204	CLA	C1D-CHD-C4C	-3.84	117.86	126.02
29	B	851	5X6	C39-C26-C25	-3.84	116.60	122.82
29	6	317	5X6	C14-C15-C16	-3.84	112.08	123.20
22	A	817	CLA	CHD-C1D-ND	-3.84	119.40	124.80
29	5	312	5X6	C01-C02-C07	-3.84	107.36	114.42
22	A	826	CLA	C3D-C4D-ND	3.84	116.22	109.99
22	A	806	CLA	C1C-C2C-C3C	-3.84	102.95	106.98
22	B	817	CLA	O2A-CGA-CBA	3.84	123.53	111.83
22	A	837	CLA	C3C-C4C-NC	3.83	115.34	110.43
29	Z	206	5X6	C38-C30-C31	-3.83	107.37	114.42
22	A	817	CLA	CAC-C3C-C4C	3.83	129.78	124.79
21	A	801	CL0	CBC-CAC-C3C	-3.83	107.39	112.87
29	O	207	5X6	C12-C11-C03	-3.83	116.76	127.00
22	B	828	CLA	C3C-C4C-NC	3.83	115.34	110.43
22	7	312	CLA	C2C-C1C-NC	3.83	114.01	109.98
22	5	309	CLA	CHD-C1D-ND	-3.83	119.41	124.80
25	2	301	BCR	C37-C22-C21	-3.83	116.61	122.82
29	1	312	5X6	C39-C26-C27	-3.83	112.24	118.09
22	6	314	CLA	C3C-C4C-NC	3.83	115.33	110.43
22	O	206	CLA	C1C-C2C-C3C	-3.83	102.95	106.98
29	7	314	5X6	C15-C16-C17	-3.83	115.87	126.36
29	O	208	5X6	C41-C17-C16	-3.82	112.25	118.09
22	B	837	CLA	C3C-C4C-NC	3.82	115.33	110.43
22	5	310	CLA	C3C-C4C-NC	3.82	115.33	110.43
22	B	836	CLA	C1C-C2C-C3C	-3.82	102.96	106.98
22	F	206	CLA	C2B-C1B-NB	3.82	114.29	110.33
22	B	827	CLA	CHD-C1D-ND	-3.82	119.43	124.80
29	O	207	5X6	C14-C15-C16	-3.82	112.13	123.20
22	A	812	CLA	CAC-C3C-C4C	3.82	129.76	124.79
22	B	838	CLA	CHD-C1D-ND	-3.82	119.43	124.80
22	B	817	CLA	CAC-C3C-C4C	3.82	129.76	124.79
29	1	316	5X6	C16-C17-C18	-3.82	113.00	119.01
22	B	823	CLA	C3D-C2D-C1D	-3.82	100.62	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	1	312	5X6	C16-C17-C18	-3.82	113.01	119.01
29	5	314	5X6	C24-C23-C22	-3.82	115.90	126.36
22	4	312	CLA	CAC-C3C-C4C	3.82	129.75	124.79
29	7	317	5X6	C27-C26-C25	-3.81	113.01	119.01
22	B	849	CLA	C1C-C2C-C3C	-3.81	102.97	106.98
22	B	811	CLA	O2D-CGD-O1D	-3.81	116.43	123.85
22	B	837	CLA	CHD-C1D-ND	-3.81	119.44	124.80
22	B	805	CLA	O2D-CGD-O1D	-3.81	116.43	123.85
22	B	849	CLA	C3C-C4C-NC	3.81	115.31	110.43
22	B	805	CLA	C3B-C4B-NB	3.81	113.93	110.53
22	A	823	CLA	C2B-C1B-NB	3.81	114.28	110.33
22	B	831	CLA	C4A-NA-C1A	-3.81	104.94	106.68
22	4	307	CLA	C3C-C4C-NC	3.81	115.31	110.43
22	B	849	CLA	C3B-C4B-NB	3.81	113.93	110.53
22	A	804	CLA	C3C-C4C-NC	3.81	115.31	110.43
22	B	811	CLA	CHD-C1D-ND	-3.81	119.44	124.80
22	A	859	CLA	C3C-C4C-NC	3.81	115.31	110.43
29	3	306	5X6	C27-C28-C29	-3.81	116.83	127.00
29	1	313	5X6	C15-C16-C17	-3.81	115.93	126.36
29	Z	206	5X6	C24-C23-C22	-3.80	115.93	126.36
22	7	308	CLA	C2C-C1C-NC	3.80	113.98	109.98
22	5	304	CLA	C3B-C4B-NB	3.80	113.93	110.53
22	6	307	CLA	C1C-C2C-C3C	-3.80	102.98	106.98
22	B	827	CLA	CMC-C2C-C1C	3.80	130.98	125.03
29	2	314	5X6	C20-C19-C18	-3.80	115.74	123.52
22	B	809	CLA	C3B-C4B-NB	3.80	113.92	110.53
22	B	830	CLA	CHD-C1D-ND	-3.80	119.45	124.80
22	B	825	CLA	CAA-C2A-C3A	-3.80	102.73	113.00
22	2	307	CLA	C2C-C1C-NC	3.80	113.97	109.98
22	B	819	CLA	C3B-C2B-C1B	-3.80	102.69	107.17
22	5	301	CLA	CAC-C3C-C4C	3.80	129.73	124.79
22	1	307	CLA	C3B-C4B-NB	3.80	113.92	110.53
29	7	318	5X6	C12-C11-C03	-3.80	116.86	127.00
29	M	101	5X6	C14-C15-C16	-3.80	112.20	123.20
22	B	821	CLA	C2C-C1C-NC	3.80	113.97	109.98
31	1	315	RRX	C16-C15-C14	3.79	131.28	123.52
22	A	811	CLA	CMC-C2C-C1C	3.79	130.96	125.03
22	A	859	CLA	CHD-C1D-ND	-3.79	119.46	124.80
22	4	311	CLA	C2C-C1C-NC	3.79	113.97	109.98
22	B	849	CLA	CHD-C1D-ND	-3.79	119.47	124.80
29	1	312	5X6	C28-C29-C30	-3.79	112.82	121.56
22	B	831	CLA	C3C-C4C-NC	3.79	115.28	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	F	205	CLA	CAC-C3C-C4C	3.79	129.72	124.79
29	5	321	5X6	C15-C16-C17	-3.79	115.98	126.36
22	5	301	CLA	C3B-C2B-C1B	-3.79	102.71	107.17
22	4	305	CLA	C1D-CHD-C4C	-3.78	117.97	126.02
22	B	818	CLA	CHD-C1D-ND	-3.78	119.48	124.80
22	F	206	CLA	CMC-C2C-C1C	3.78	130.95	125.03
22	A	807	CLA	C2B-C1B-NB	3.78	114.25	110.33
29	7	315	5X6	C24-C23-C22	-3.78	115.99	126.36
22	A	831	CLA	C2B-C1B-NB	3.78	114.25	110.33
22	B	812	CLA	C4A-NA-C1A	-3.78	104.95	106.68
29	6	316	5X6	C41-C17-C16	-3.78	112.32	118.09
22	F	205	CLA	CHD-C1D-ND	-3.78	119.48	124.80
22	A	803	CLA	C3C-C4C-NC	3.78	115.27	110.43
22	B	814	CLA	CAC-C3C-C4C	3.78	129.70	124.79
22	7	305	CLA	O2D-CGD-CBD	3.78	117.83	111.23
22	B	825	CLA	C1C-C2C-C3C	-3.78	103.01	106.98
22	6	310	CLA	CHD-C1D-ND	-3.78	119.49	124.80
22	Z	204	CLA	CHD-C1D-ND	-3.77	119.49	124.80
22	A	802	CLA	C4A-NA-C1A	-3.77	104.96	106.68
29	2	313	5X6	C25-C24-C23	-3.77	112.27	123.20
22	L	203	CLA	CHD-C1D-ND	-3.77	119.49	124.80
22	1	304	CLA	CHD-C1D-ND	-3.77	119.49	124.80
22	6	310	CLA	C4A-NA-C1A	-3.77	104.96	106.68
21	A	801	CL0	O2D-CGD-O1D	-3.77	116.51	123.85
22	A	804	CLA	C2B-C1B-NB	3.77	114.24	110.33
22	A	858	CLA	CAC-C3C-C4C	3.77	129.70	124.79
29	2	313	5X6	C27-C26-C25	-3.77	113.08	119.01
22	A	833	CLA	CAC-C3C-C4C	3.77	129.70	124.79
22	1	302	CLA	C1C-C2C-C3C	-3.77	103.02	106.98
22	B	828	CLA	CAC-C3C-C4C	3.77	129.69	124.79
22	A	816	CLA	C2B-C1B-NB	3.77	114.23	110.33
22	5	307	CLA	C1C-C2C-C3C	-3.77	103.02	106.98
22	B	835	CLA	C4C-C3C-C2C	-3.77	101.41	106.89
22	5	306	CLA	C3B-C4B-NB	3.77	113.89	110.53
22	5	301	CLA	C1C-C2C-C3C	-3.77	103.02	106.98
22	5	306	CLA	C3C-C4C-NC	3.77	115.25	110.43
22	5	308	CLA	CAC-C3C-C4C	3.76	129.69	124.79
22	B	824	CLA	C3D-C4D-ND	3.76	116.10	109.99
22	A	824	CLA	CHD-C1D-ND	-3.76	119.51	124.80
29	2	314	5X6	C41-C17-C16	-3.76	112.34	118.09
22	A	848	CLA	C1D-CHD-C4C	-3.76	118.03	126.02
22	A	828	CLA	C1C-C2C-C3C	-3.76	103.03	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	306	CLA	C1C-C2C-C3C	-3.76	103.03	106.98
29	6	315	5X6	C12-C11-C03	-3.76	116.95	127.00
22	F	206	CLA	CAC-C3C-C4C	3.76	129.68	124.79
22	7	306	CLA	C2C-C1C-NC	3.76	113.93	109.98
22	6	311	CLA	CAA-C2A-C3A	-3.76	107.61	116.23
22	B	816	CLA	C4C-C3C-C2C	-3.76	101.42	106.89
22	6	308	CLA	CAC-C3C-C4C	3.76	129.68	124.79
29	6	315	5X6	C39-C26-C25	-3.75	116.73	122.82
22	2	308	CLA	C2C-C1C-NC	3.75	113.92	109.98
22	4	302	CLA	O2D-CGD-CBD	3.75	117.79	111.23
22	O	204	CLA	C4A-NA-C1A	-3.75	104.97	106.68
22	3	305	CLA	C2C-C1C-NC	3.75	113.92	109.98
22	6	310	CLA	CAC-C3C-C4C	3.75	129.67	124.79
22	A	805	CLA	C4B-C3B-C2B	-3.75	102.64	107.30
22	A	832	CLA	C4C-C3C-C2C	-3.75	101.43	106.89
22	5	303	CLA	C4-C3-C5	3.75	121.74	115.23
22	A	831	CLA	CMB-C2B-C1B	3.75	131.13	125.42
22	A	804	CLA	CAC-C3C-C4C	3.75	129.67	124.79
22	1	310	CLA	CAC-C3C-C4C	3.75	129.67	124.79
29	Z	206	5X6	C12-C11-C03	-3.75	116.98	127.00
22	B	807	CLA	CAC-C3C-C4C	3.75	129.67	124.79
22	4	303	CLA	C3C-C4C-NC	3.75	115.23	110.43
29	J	104	5X6	C12-C13-C14	-3.75	113.11	119.01
22	B	834	CLA	C4A-NA-C1A	-3.75	104.97	106.68
22	4	302	CLA	C4A-NA-C1A	-3.75	104.97	106.68
29	5	312	5X6	C15-C16-C17	-3.75	116.09	126.36
29	7	315	5X6	C40-C22-C23	-3.75	112.36	118.09
22	B	836	CLA	C2B-C1B-NB	3.74	114.21	110.33
22	2	309	CLA	CHD-C1D-ND	-3.74	119.53	124.80
22	A	814	CLA	C4B-C3B-C2B	-3.74	102.65	107.30
22	A	822	CLA	CHD-C1D-ND	-3.74	119.54	124.80
22	B	823	CLA	O2A-CGA-CBA	3.74	123.23	111.83
29	7	315	5X6	C01-C02-C07	-3.74	107.55	114.42
25	B	841	BCR	C15-C16-C17	3.74	131.16	123.52
22	A	833	CLA	C1C-C2C-C3C	-3.74	103.05	106.98
29	M	101	5X6	C25-C24-C23	-3.73	112.38	123.20
29	5	313	5X6	C24-C23-C22	-3.73	116.12	126.36
22	6	304	CLA	CMC-C2C-C1C	3.73	130.87	125.03
29	4	315	5X6	C27-C26-C25	-3.73	113.14	119.01
22	A	810	CLA	CHD-C1D-ND	-3.73	119.55	124.80
22	A	813	CLA	CHD-C1D-ND	-3.73	119.55	124.80
22	B	806	CLA	C3D-C4D-ND	3.73	116.05	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	5	303	CLA	C3B-C4B-NB	3.73	113.86	110.53
22	A	836	CLA	CHD-C1D-ND	-3.73	119.55	124.80
29	O	208	5X6	C42-C13-C14	-3.73	116.78	122.82
22	A	834	CLA	C3B-C2B-C1B	-3.73	102.78	107.17
22	B	832	CLA	O2A-CGA-CBA	3.73	123.19	111.83
22	A	808	CLA	CHD-C1D-ND	-3.73	119.56	124.80
22	A	822	CLA	C3C-C4C-NC	3.73	115.20	110.43
25	J	103	BCR	C21-C20-C19	3.72	133.99	123.20
29	O	208	5X6	C15-C16-C17	-3.72	116.16	126.36
22	O	206	CLA	CAC-C3C-C4C	3.72	129.63	124.79
22	A	832	CLA	CHD-C1D-ND	-3.72	119.57	124.80
22	B	802	CLA	C4A-NA-C1A	-3.72	104.98	106.68
22	A	833	CLA	C3C-C4C-NC	3.72	115.19	110.43
22	Z	201	CLA	C3C-C4C-NC	3.72	115.19	110.43
29	7	316	5X6	C20-C19-C18	-3.72	115.91	123.52
22	B	833	CLA	C3C-C4C-NC	3.72	115.19	110.43
22	F	206	CLA	C3B-C2B-C1B	-3.72	102.79	107.17
22	A	827	CLA	C3D-C4D-ND	3.72	116.03	109.99
22	3	303	CLA	C3B-C2B-C1B	-3.72	102.79	107.17
22	K	101	CLA	C1D-CHD-C4C	-3.72	118.12	126.02
29	7	318	5X6	C25-C24-C23	-3.72	112.43	123.20
22	A	832	CLA	CMB-C2B-C1B	3.72	131.08	125.42
29	M	101	5X6	C42-C13-C12	-3.71	112.41	118.09
29	M	101	5X6	C28-C29-C30	-3.71	113.00	121.56
22	7	310	CLA	CHD-C1D-ND	-3.71	119.58	124.80
22	B	804	CLA	CAC-C3C-C4C	3.71	129.62	124.79
22	A	821	CLA	CHD-C1D-ND	-3.71	119.58	124.80
22	A	819	CLA	CHD-C1D-ND	-3.71	119.58	124.80
22	A	807	CLA	C3B-C4B-NB	3.71	113.84	110.53
22	A	813	CLA	C1D-CHD-C4C	-3.71	118.13	126.02
29	1	316	5X6	C14-C15-C16	-3.71	112.45	123.20
22	5	307	CLA	C1D-CHD-C4C	-3.71	118.13	126.02
22	B	823	CLA	C4-C3-C5	3.71	121.67	115.23
22	B	839	CLA	C4A-NA-C1A	-3.71	104.99	106.68
22	4	305	CLA	CAC-C3C-C4C	3.71	129.62	124.79
22	5	301	CLA	C3C-C4C-NC	3.71	115.18	110.43
22	B	836	CLA	CHD-C1D-ND	-3.71	119.58	124.80
22	B	807	CLA	C3C-C4C-NC	3.71	115.18	110.43
22	A	836	CLA	C3C-C4C-NC	3.70	115.18	110.43
22	A	803	CLA	CHD-C1D-ND	-3.70	119.59	124.80
22	5	302	CLA	C3C-C4C-NC	3.70	115.17	110.43
22	F	206	CLA	C1C-C2C-C3C	-3.70	103.09	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	308	CLA	C4A-NA-C1A	-3.70	104.99	106.68
25	A	843	BCR	C37-C22-C23	3.70	123.74	118.09
22	A	813	CLA	C3C-C4C-NC	3.70	115.17	110.43
22	A	818	CLA	C3C-C4C-NC	3.70	115.17	110.43
22	F	204	CLA	CMC-C2C-C1C	3.70	130.81	125.03
22	A	848	CLA	C3C-C4C-NC	3.70	115.17	110.43
22	B	829	CLA	C3B-C4B-NB	3.70	113.83	110.53
22	2	303	CLA	C1C-C2C-C3C	-3.70	103.09	106.98
22	J	102	CLA	C4A-NA-C1A	-3.70	104.99	106.68
22	6	304	CLA	C4A-NA-C1A	-3.70	104.99	106.68
22	B	850	CLA	C4A-NA-C1A	-3.69	104.99	106.68
22	L	203	CLA	C1D-CHD-C4C	-3.69	118.17	126.02
22	B	818	CLA	C3C-C4C-NC	3.69	115.16	110.43
22	B	808	CLA	C4A-NA-C1A	-3.69	105.00	106.68
29	1	314	5X6	C20-C19-C18	-3.69	115.97	123.52
22	5	308	CLA	C3C-C4C-NC	3.69	115.16	110.43
22	B	809	CLA	C3C-C4C-NC	3.69	115.15	110.43
25	A	845	BCR	C37-C22-C23	3.69	123.72	118.09
22	6	304	CLA	C3C-C4C-NC	3.69	115.15	110.43
22	A	858	CLA	O2A-CGA-CBA	3.69	123.08	111.83
29	4	314	5X6	C16-C17-C18	-3.69	113.21	119.01
22	3	303	CLA	C4B-C3B-C2B	-3.69	102.72	107.30
22	4	305	CLA	CHD-C1D-ND	-3.69	119.62	124.80
22	6	306	CLA	CAC-C3C-C4C	3.69	129.59	124.79
22	1	310	CLA	C3C-C4C-NC	3.68	115.15	110.43
22	A	833	CLA	O2D-CGD-CBD	3.68	117.67	111.23
22	B	817	CLA	C3C-C4C-NC	3.68	115.14	110.43
29	7	315	5X6	C25-C24-C23	-3.68	112.54	123.20
22	A	838	CLA	CHD-C1D-ND	-3.68	119.62	124.80
22	O	203	CLA	C1C-C2C-C3C	-3.68	103.11	106.98
29	7	315	5X6	C14-C15-C16	-3.68	112.55	123.20
29	4	315	5X6	C25-C24-C23	-3.68	112.55	123.20
29	5	313	5X6	C01-C02-C03	-3.68	120.47	124.48
22	B	823	CLA	CHD-C1D-ND	-3.68	119.63	124.80
22	A	808	CLA	C1C-C2C-C3C	-3.67	103.11	106.98
22	B	808	CLA	C3B-C2B-C1B	-3.67	102.84	107.17
22	5	310	CLA	CAC-C3C-C4C	3.67	129.57	124.79
22	5	303	CLA	CHD-C1D-ND	-3.67	119.64	124.80
22	4	309	CLA	CAC-C3C-C4C	3.67	129.57	124.79
22	A	830	CLA	C3C-C4C-NC	3.67	115.13	110.43
22	B	812	CLA	CHD-C1D-ND	-3.67	119.64	124.80
22	B	833	CLA	CHD-C1D-ND	-3.67	119.64	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	831	CLA	CHD-C1D-ND	-3.67	119.64	124.80
22	A	828	CLA	CAC-C3C-C4C	3.67	129.56	124.79
22	B	806	CLA	C4C-C3C-C2C	-3.67	101.55	106.89
22	A	802	CLA	CHD-C1D-ND	-3.66	119.65	124.80
25	I	102	BCR	C37-C22-C23	3.66	123.68	118.09
29	1	314	5X6	C41-C17-C16	-3.66	112.49	118.09
22	6	310	CLA	C3C-C4C-NC	3.66	115.12	110.43
22	B	819	CLA	CAC-C3C-C4C	3.66	129.56	124.79
22	6	310	CLA	C4-C3-C5	3.66	121.58	115.23
22	A	839	CLA	C4A-NA-C1A	-3.66	105.01	106.68
22	B	804	CLA	CBA-CAA-C2A	3.66	124.68	113.79
25	B	844	BCR	C34-C9-C10	-3.66	116.89	122.82
22	B	838	CLA	C3C-C4C-NC	3.66	115.12	110.43
22	4	302	CLA	C3B-C4B-NB	3.66	113.80	110.53
22	B	819	CLA	C3C-C4C-NC	3.66	115.11	110.43
22	4	310	CLA	CHD-C1D-ND	-3.65	119.66	124.80
22	A	803	CLA	C2B-C1B-NB	3.65	114.12	110.33
22	B	803	CLA	C2B-C1B-NB	3.65	114.12	110.33
22	B	816	CLA	CAC-C3C-C4C	3.65	129.54	124.79
22	5	309	CLA	C3C-C4C-NC	3.65	115.11	110.43
22	B	829	CLA	CAC-C3C-C4C	3.65	129.54	124.79
22	1	306	CLA	O2D-CGD-CBD	3.65	117.62	111.23
22	7	304	CLA	C1D-CHD-C4C	-3.65	118.26	126.02
22	A	824	CLA	O2D-CGD-O1D	-3.65	116.74	123.85
22	A	808	CLA	C3C-C4C-NC	3.65	115.11	110.43
22	A	817	CLA	C3C-C4C-NC	3.65	115.11	110.43
22	A	807	CLA	C4C-C3C-C2C	-3.65	101.58	106.89
22	A	824	CLA	C4C-C3C-C2C	-3.65	101.58	106.89
22	4	310	CLA	CHC-C1C-C2C	-3.65	116.57	126.95
22	6	311	CLA	C1D-CHD-C4C	-3.65	118.26	126.02
29	2	314	5X6	C42-C13-C12	-3.65	112.51	118.09
22	A	823	CLA	C4C-C3C-C2C	-3.65	101.58	106.89
22	5	303	CLA	C3C-C4C-NC	3.65	115.10	110.43
22	B	803	CLA	C1D-CHD-C4C	-3.65	118.27	126.02
22	A	835	CLA	C1C-C2C-C3C	-3.65	103.14	106.98
22	B	849	CLA	CBC-CAC-C3C	-3.65	102.53	112.42
22	5	311	CLA	C3B-C4B-NB	3.65	113.78	110.53
22	B	821	CLA	C3C-C4C-NC	3.65	115.10	110.43
22	A	827	CLA	O2D-CGD-CBD	3.65	117.60	111.23
22	A	814	CLA	C1C-C2C-C3C	-3.64	103.15	106.98
22	B	836	CLA	O2A-CGA-CBA	3.64	122.94	111.83
22	6	311	CLA	C4C-C3C-C2C	-3.64	101.59	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	809	CLA	C2C-C1C-NC	3.64	113.81	109.98
29	O	207	5X6	C25-C24-C23	-3.64	112.65	123.20
22	6	309	CLA	C1D-CHD-C4C	-3.64	118.28	126.02
22	5	303	CLA	C1C-C2C-C3C	-3.64	103.15	106.98
29	1	316	5X6	C15-C16-C17	-3.64	116.39	126.36
22	B	824	CLA	C3B-C4B-NB	3.64	113.78	110.53
22	L	203	CLA	C3C-C4C-NC	3.63	115.08	110.43
22	A	803	CLA	CAC-C3C-C4C	3.63	129.52	124.79
22	A	848	CLA	C3D-C4D-ND	3.63	115.89	109.99
22	F	205	CLA	C1D-CHD-C4C	-3.63	118.30	126.02
22	L	203	CLA	C4A-NA-C1A	-3.63	105.02	106.68
29	3	306	5X6	C14-C15-C16	-3.63	112.68	123.20
22	3	302	CLA	C1D-CHD-C4C	-3.63	118.31	126.02
22	O	203	CLA	C3C-C4C-NC	3.63	115.08	110.43
22	B	824	CLA	C4C-C3C-C2C	-3.63	101.61	106.89
22	B	813	CLA	C4C-C3C-C2C	-3.63	101.61	106.89
29	2	312	5X6	C12-C13-C14	-3.63	113.30	119.01
22	A	808	CLA	C1D-CHD-C4C	-3.63	118.31	126.02
22	L	204	CLA	C3B-C4B-NB	3.63	113.77	110.53
22	B	826	CLA	O2D-CGD-O1D	-3.63	116.79	123.85
22	6	312	CLA	CAC-C3C-C4C	3.63	129.51	124.79
22	B	818	CLA	C1C-C2C-C3C	-3.63	103.17	106.98
22	1	310	CLA	C1D-CHD-C4C	-3.63	118.31	126.02
22	2	304	CLA	C1C-C2C-C3C	-3.63	103.17	106.98
22	A	833	CLA	C3B-C2B-C1B	-3.63	102.90	107.17
29	O	208	5X6	C25-C24-C23	-3.63	112.70	123.20
22	B	821	CLA	CHD-C1D-ND	-3.62	119.70	124.80
22	B	822	CLA	C4C-C3C-C2C	-3.62	101.62	106.89
22	B	804	CLA	CHD-C1D-ND	-3.62	119.70	124.80
22	B	805	CLA	C6-C5-C3	-3.62	104.64	113.47
22	K	101	CLA	C3C-C4C-NC	3.62	115.07	110.43
22	B	836	CLA	CAC-C3C-C4C	3.62	129.50	124.79
22	7	308	CLA	C1D-CHD-C4C	-3.62	118.32	126.02
29	2	314	5X6	C27-C26-C25	-3.62	113.31	119.01
29	5	312	5X6	C14-C15-C16	-3.62	112.71	123.20
22	A	825	CLA	CHD-C1D-ND	-3.62	119.71	124.80
22	4	311	CLA	C1D-CHD-C4C	-3.62	118.33	126.02
22	Z	204	CLA	C1D-CHD-C4C	-3.62	118.33	126.02
22	B	839	CLA	CHD-C1D-ND	-3.62	119.71	124.80
22	A	810	CLA	C4C-C3C-C2C	-3.62	101.62	106.89
25	A	861	BCR	C37-C22-C21	-3.62	116.95	122.82
22	A	816	CLA	C4A-NA-C1A	-3.62	105.03	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	826	CLA	C4A-NA-C1A	-3.62	105.03	106.68
22	B	839	CLA	CMC-C2C-C1C	3.62	130.69	125.03
22	B	801	CLA	C2B-C1B-NB	3.62	114.08	110.33
22	6	306	CLA	C3B-C4B-NB	3.61	113.76	110.53
22	6	304	CLA	CHD-C1D-ND	-3.61	119.72	124.80
22	A	834	CLA	CAC-C3C-C4C	3.61	129.49	124.79
22	6	305	CLA	C1D-CHD-C4C	-3.61	118.34	126.02
22	4	309	CLA	C1D-CHD-C4C	-3.61	118.34	126.02
22	B	805	CLA	C4B-C3B-C2B	-3.61	102.81	107.30
22	A	820	CLA	C1D-CHD-C4C	-3.61	118.34	126.02
22	B	850	CLA	C1D-CHD-C4C	-3.61	118.34	126.02
22	2	305	CLA	C3B-C4B-NB	3.61	113.75	110.53
22	B	828	CLA	C1-O2A-CGA	3.61	125.39	116.65
22	B	817	CLA	CHD-C1D-ND	-3.61	119.72	124.80
22	A	821	CLA	C4C-C3C-C2C	-3.61	101.64	106.89
22	F	205	CLA	C4C-C3C-C2C	-3.60	101.64	106.89
22	7	312	CLA	C1D-CHD-C4C	-3.60	118.36	126.02
22	7	304	CLA	CMC-C2C-C1C	3.60	130.67	125.03
22	B	850	CLA	CBC-CAC-C3C	-3.60	102.65	112.42
22	A	838	CLA	O2D-CGD-O1D	-3.60	116.84	123.85
22	J	102	CLA	C1D-CHD-C4C	-3.60	118.36	126.02
22	B	816	CLA	C1-C2-C3	-3.60	120.30	126.20
22	1	305	CLA	C1C-C2C-C3C	-3.60	103.19	106.98
22	A	838	CLA	CAC-C3C-C4C	3.60	129.47	124.79
22	B	827	CLA	C2B-C1B-NB	3.60	114.06	110.33
22	A	859	CLA	C4B-C3B-C2B	-3.60	102.83	107.30
29	2	313	5X6	C27-C28-C29	-3.60	117.39	127.00
22	5	306	CLA	C1D-CHD-C4C	-3.59	118.38	126.02
22	6	313	CLA	C3C-C4C-NC	3.59	115.03	110.43
29	2	314	5X6	C38-C30-C31	-3.59	107.81	114.42
22	K	102	CLA	CHD-C1D-ND	-3.59	119.75	124.80
29	4	315	5X6	C27-C28-C29	-3.59	117.40	127.00
22	A	848	CLA	CHD-C1D-ND	-3.59	119.75	124.80
22	4	304	CLA	C3B-C4B-NB	3.59	113.74	110.53
22	K	102	CLA	C1D-CHD-C4C	-3.59	118.39	126.02
22	5	301	CLA	C1D-CHD-C4C	-3.59	118.39	126.02
22	B	809	CLA	CMC-C2C-C1C	3.59	130.65	125.03
22	5	311	CLA	C1C-C2C-C3C	-3.59	103.20	106.98
22	6	314	CLA	CAC-C3C-C4C	3.59	129.46	124.79
22	B	828	CLA	C3B-C4B-NB	3.59	113.73	110.53
22	4	308	CLA	CMC-C2C-C1C	3.59	130.64	125.03
22	2	310	CLA	C1D-CHD-C4C	-3.59	118.39	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	839	CLA	C2B-C1B-NB	3.59	114.05	110.33
22	A	816	CLA	CAC-C3C-C4C	3.59	129.46	124.79
22	B	806	CLA	C4-C3-C5	3.58	121.45	115.23
22	L	205	CLA	CAC-C3C-C4C	3.58	129.45	124.79
22	6	303	CLA	O2D-CGD-CBD	3.58	117.50	111.23
22	B	802	CLA	CHD-C1D-ND	-3.58	119.76	124.80
22	1	304	CLA	C1D-CHD-C4C	-3.58	118.40	126.02
22	B	834	CLA	C4C-C3C-C2C	-3.58	101.68	106.89
22	A	828	CLA	C4B-C3B-C2B	-3.58	102.85	107.30
29	5	321	5X6	C14-C15-C16	-3.58	112.82	123.20
22	7	310	CLA	C3C-C4C-NC	3.58	115.02	110.43
22	Z	204	CLA	C3C-C4C-NC	3.58	115.02	110.43
29	J	104	5X6	C27-C28-C29	-3.58	117.43	127.00
22	1	305	CLA	CAC-C3C-C4C	3.58	129.45	124.79
22	B	849	CLA	C1D-CHD-C4C	-3.58	118.41	126.02
22	B	820	CLA	CHD-C1D-ND	-3.58	119.77	124.80
22	A	814	CLA	C1D-CHD-C4C	-3.58	118.42	126.02
22	6	309	CLA	O2D-CGD-CBD	3.58	117.48	111.23
29	B	851	5X6	C01-C02-C07	-3.58	107.84	114.42
22	5	304	CLA	C4A-NA-C1A	-3.58	105.05	106.68
22	1	309	CLA	C4B-C3B-C2B	-3.58	102.85	107.30
29	6	316	5X6	C42-C13-C14	-3.58	117.02	122.82
22	6	303	CLA	C1D-CHD-C4C	-3.58	118.42	126.02
22	5	311	CLA	CAC-C3C-C4C	3.57	129.44	124.79
22	B	806	CLA	C3B-C4B-NB	3.57	113.72	110.53
22	A	828	CLA	O2D-CGD-O1D	-3.57	116.90	123.85
22	K	102	CLA	C4A-NA-C1A	-3.57	105.05	106.68
22	5	306	CLA	CHD-C1D-ND	-3.57	119.78	124.80
25	J	103	BCR	C37-C22-C23	3.57	123.54	118.09
22	A	807	CLA	C1-C2-C3	-3.57	120.35	126.20
22	7	305	CLA	C1D-CHD-C4C	-3.57	118.44	126.02
22	B	811	CLA	C3B-C4B-NB	3.57	113.71	110.53
22	B	804	CLA	C1D-CHD-C4C	-3.57	118.44	126.02
22	6	311	CLA	CHD-C1D-ND	-3.57	119.78	124.80
22	A	821	CLA	C1C-C2C-C3C	-3.56	103.23	106.98
22	B	820	CLA	C1D-CHD-C4C	-3.56	118.44	126.02
22	6	306	CLA	C1D-CHD-C4C	-3.56	118.45	126.02
22	6	312	CLA	C4B-C3B-C2B	-3.56	102.87	107.30
22	B	801	CLA	C3C-C4C-NC	3.56	114.99	110.43
22	4	311	CLA	C4C-C3C-C2C	-3.56	101.71	106.89
25	B	844	BCR	C37-C22-C23	3.56	123.53	118.09
22	1	304	CLA	C3C-C4C-NC	3.56	114.99	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	848	CLA	C2B-C1B-NB	3.56	114.02	110.33
22	B	838	CLA	C4-C3-C2	-3.56	114.49	123.63
22	B	834	CLA	C1D-CHD-C4C	-3.56	118.46	126.02
22	B	819	CLA	C2C-C1C-NC	3.56	113.72	109.98
22	A	808	CLA	CAC-C3C-C4C	3.56	129.42	124.79
22	B	815	CLA	C3C-C4C-NC	3.56	114.98	110.43
29	5	312	5X6	C27-C28-C29	-3.56	117.50	127.00
22	A	817	CLA	C3B-C4B-NB	3.55	113.70	110.53
22	7	303	CLA	C3B-C4B-NB	3.55	113.70	110.53
22	1	307	CLA	CAC-C3C-C4C	3.55	129.41	124.79
22	6	304	CLA	C1D-CHD-C4C	-3.55	118.47	126.02
29	1	314	5X6	C16-C17-C18	-3.55	113.42	119.01
29	7	318	5X6	C15-C16-C17	-3.55	116.62	126.36
22	1	306	CLA	C1D-CHD-C4C	-3.55	118.47	126.02
22	1	307	CLA	C3C-C4C-NC	3.55	114.98	110.43
22	4	307	CLA	C1C-C2C-C3C	-3.55	103.25	106.98
22	O	205	CLA	C1D-CHD-C4C	-3.55	118.48	126.02
22	B	833	CLA	C4A-NA-C1A	-3.55	105.06	106.68
29	2	312	5X6	C27-C28-C29	-3.55	117.52	127.00
22	A	833	CLA	CHD-C1D-ND	-3.55	119.81	124.80
22	2	309	CLA	C3C-C4C-NC	3.55	114.97	110.43
29	6	315	5X6	C27-C28-C29	-3.55	117.52	127.00
22	L	204	CLA	C4A-NA-C1A	-3.55	105.06	106.68
22	6	313	CLA	C1D-CHD-C4C	-3.55	118.48	126.02
29	7	318	5X6	C01-C02-C07	-3.54	107.90	114.42
22	2	302	CLA	C4A-NA-C1A	-3.54	105.06	106.68
31	5	322	RRX	C34-C9-C8	3.54	123.50	118.09
29	7	316	5X6	C40-C22-C23	-3.54	112.68	118.09
22	A	802	CLA	C1C-C2C-C3C	-3.54	103.26	106.98
22	6	307	CLA	CAC-C3C-C4C	3.54	129.40	124.79
22	5	301	CLA	CHD-C1D-ND	-3.54	119.82	124.80
22	B	815	CLA	C1D-CHD-C4C	-3.54	118.50	126.02
25	L	201	BCR	C37-C22-C21	-3.54	117.08	122.82
22	1	305	CLA	C1D-CHD-C4C	-3.54	118.50	126.02
22	6	305	CLA	C3C-C4C-NC	3.54	114.96	110.43
22	O	203	CLA	CHD-C1D-ND	-3.54	119.83	124.80
22	4	304	CLA	C1-C2-C3	-3.53	120.41	126.20
22	B	831	CLA	C1C-C2C-C3C	-3.53	103.26	106.98
22	A	823	CLA	C1D-CHD-C4C	-3.53	118.51	126.02
22	A	804	CLA	CHC-C1C-C2C	-3.53	116.91	126.95
22	A	813	CLA	C4A-NA-C1A	-3.53	105.07	106.68
22	Z	204	CLA	C3B-C4B-NB	3.53	113.68	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	310	CLA	O2A-CGA-CBA	3.53	122.60	111.83
22	B	826	CLA	C1D-CHD-C4C	-3.53	118.52	126.02
22	1	305	CLA	C3C-C4C-NC	3.53	114.95	110.43
22	A	830	CLA	CHD-C1D-ND	-3.53	119.83	124.80
22	A	828	CLA	C3B-C2B-C1B	-3.53	103.01	107.17
22	B	839	CLA	C1C-C2C-C3C	-3.53	103.27	106.98
22	B	808	CLA	C2B-C1B-NB	3.53	113.98	110.33
22	3	305	CLA	C1D-CHD-C4C	-3.53	118.52	126.02
22	A	859	CLA	C2B-C1B-NB	3.53	113.98	110.33
25	Z	205	BCR	C34-C9-C10	-3.53	117.10	122.82
22	5	303	CLA	C1D-CHD-C4C	-3.53	118.53	126.02
22	B	808	CLA	C1-C2-C3	-3.53	120.42	126.20
22	A	810	CLA	C3B-C4B-NB	3.53	113.68	110.53
22	F	204	CLA	C1D-CHD-C4C	-3.53	118.53	126.02
22	A	839	CLA	CHD-C1D-ND	-3.52	119.84	124.80
22	2	307	CLA	C1D-CHD-C4C	-3.52	118.53	126.02
29	5	314	5X6	C41-C17-C16	-3.52	112.71	118.09
22	O	204	CLA	C3C-C4C-NC	3.52	114.94	110.43
22	B	824	CLA	C1D-CHD-C4C	-3.52	118.53	126.02
25	B	844	BCR	C15-C16-C17	3.52	130.72	123.52
22	A	831	CLA	C1D-CHD-C4C	-3.52	118.54	126.02
22	5	307	CLA	C4B-C3B-C2B	-3.52	102.92	107.30
29	4	314	5X6	C41-C17-C18	-3.52	117.12	122.82
22	4	305	CLA	C4A-NA-C1A	-3.52	105.07	106.68
22	4	303	CLA	C1D-CHD-C4C	-3.52	118.55	126.02
22	K	101	CLA	CAC-C3C-C4C	3.52	129.36	124.79
22	A	839	CLA	C4C-C3C-C2C	-3.51	101.78	106.89
22	F	204	CLA	C4A-NA-C1A	-3.51	105.08	106.68
22	A	814	CLA	CHD-C1D-ND	-3.51	119.86	124.80
22	7	312	CLA	C3C-C4C-NC	3.51	114.93	110.43
22	A	815	CLA	CHD-C1D-ND	-3.51	119.86	124.80
22	B	809	CLA	CHD-C1D-ND	-3.51	119.86	124.80
22	A	825	CLA	C1D-CHD-C4C	-3.51	118.56	126.02
22	A	824	CLA	C1D-CHD-C4C	-3.51	118.56	126.02
22	6	310	CLA	C1D-CHD-C4C	-3.51	118.56	126.02
22	4	303	CLA	CMC-C2C-C1C	3.51	130.52	125.03
22	B	809	CLA	CAC-C3C-C4C	3.51	129.36	124.79
22	B	828	CLA	C1C-C2C-C3C	-3.51	103.29	106.98
25	Z	205	BCR	C37-C22-C23	3.51	123.45	118.09
22	B	823	CLA	CAC-C3C-C4C	3.51	129.35	124.79
22	B	801	CLA	C1D-CHD-C4C	-3.51	118.57	126.02
22	6	310	CLA	C4B-C3B-C2B	-3.51	102.94	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	O	207	5X6	C41-C17-C18	-3.51	117.14	122.82
22	A	826	CLA	CMC-C2C-C1C	3.50	130.51	125.03
22	B	808	CLA	C4C-C3C-C2C	-3.50	101.79	106.89
22	A	831	CLA	C4C-C3C-C2C	-3.50	101.79	106.89
22	B	806	CLA	CAC-C3C-C4C	3.50	129.35	124.79
25	L	202	BCR	C34-C9-C10	-3.50	117.14	122.82
22	3	301	CLA	C1D-CHD-C4C	-3.50	118.58	126.02
22	B	804	CLA	C3B-C4B-NB	3.50	113.66	110.53
22	6	306	CLA	C4A-NA-C1A	-3.50	105.08	106.68
22	6	307	CLA	C4A-NA-C1A	-3.50	105.08	106.68
22	6	308	CLA	C1D-CHD-C4C	-3.50	118.58	126.02
22	6	309	CLA	C3C-C4C-NC	3.50	114.91	110.43
22	A	807	CLA	O2D-CGD-CBD	3.50	117.34	111.23
22	B	805	CLA	C3C-C4C-NC	3.50	114.91	110.43
22	B	808	CLA	CHD-C1D-ND	-3.50	119.88	124.80
29	2	314	5X6	C27-C28-C29	-3.50	117.66	127.00
22	B	824	CLA	C4B-C3B-C2B	-3.49	102.96	107.30
22	6	312	CLA	CHC-C1C-C2C	-3.49	117.02	126.95
22	B	810	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
22	5	302	CLA	C1D-CHD-C4C	-3.49	118.59	126.02
22	A	822	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
22	7	311	CLA	C1D-CHD-C4C	-3.49	118.60	126.02
22	3	304	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
25	K	103	BCR	C37-C22-C21	-3.49	117.16	122.82
22	A	835	CLA	C4C-C3C-C2C	-3.49	101.81	106.89
22	6	303	CLA	C4B-C3B-C2B	-3.49	102.97	107.30
22	A	827	CLA	CAC-C3C-C4C	3.49	129.33	124.79
23	B	840	A1L64	O4-C4-C5	-3.49	104.87	116.64
22	A	836	CLA	O2D-CGD-O1D	-3.49	117.06	123.85
22	A	833	CLA	C4B-C3B-C2B	-3.49	102.97	107.30
22	5	310	CLA	C1D-CHD-C4C	-3.49	118.61	126.02
22	F	204	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
22	A	827	CLA	CMC-C2C-C1C	3.49	130.48	125.03
29	7	316	5X6	C14-C15-C16	-3.48	113.11	123.20
22	B	811	CLA	C3D-C2D-C1D	-3.48	101.08	105.83
22	A	826	CLA	C1C-C2C-C3C	-3.48	103.32	106.98
22	B	811	CLA	C1C-C2C-C3C	-3.48	103.32	106.98
22	A	818	CLA	O2A-CGA-CBA	3.48	122.45	111.83
22	A	833	CLA	CMC-C2C-C1C	3.48	130.47	125.03
22	B	831	CLA	O2D-CGD-O1D	-3.48	117.07	123.85
22	B	838	CLA	C1C-C2C-C3C	-3.48	103.32	106.98
22	1	308	CLA	C1C-C2C-C3C	-3.48	103.32	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	835	CLA	C1D-CHD-C4C	-3.48	118.62	126.02
22	7	303	CLA	C1C-C2C-C3C	-3.48	103.32	106.98
22	A	821	CLA	C4A-NA-C1A	-3.48	105.09	106.68
22	1	302	CLA	C1D-CHD-C4C	-3.48	118.63	126.02
22	5	311	CLA	C1D-CHD-C4C	-3.48	118.63	126.02
22	A	803	CLA	C1D-CHD-C4C	-3.48	118.63	126.02
22	O	204	CLA	C1D-CHD-C4C	-3.47	118.64	126.02
22	Z	201	CLA	C1D-CHD-C4C	-3.47	118.64	126.02
22	7	305	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
22	2	302	CLA	C3C-C4C-NC	3.47	114.88	110.43
22	B	835	CLA	CHD-C1D-ND	-3.47	119.92	124.80
22	B	810	CLA	C1D-CHD-C4C	-3.47	118.64	126.02
22	2	309	CLA	C1D-CHD-C4C	-3.47	118.64	126.02
22	5	301	CLA	C4B-C3B-C2B	-3.47	102.99	107.30
22	7	309	CLA	C1-O2A-CGA	3.47	125.05	116.65
22	4	304	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
22	A	820	CLA	C3B-C4B-NB	3.47	113.63	110.53
22	7	311	CLA	C3C-C4C-NC	3.47	114.87	110.43
29	6	315	5X6	C01-C02-C07	-3.47	108.04	114.42
22	A	858	CLA	CHD-C1D-ND	-3.47	119.92	124.80
22	3	303	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
22	3	304	CLA	C1D-CHD-C4C	-3.47	118.65	126.02
22	O	206	CLA	C1D-CHD-C4C	-3.47	118.65	126.02
22	B	850	CLA	C4B-C3B-C2B	-3.47	102.99	107.30
22	2	311	CLA	C3C-C4C-NC	3.47	114.87	110.43
22	A	806	CLA	CAC-C3C-C4C	3.46	129.30	124.79
22	1	304	CLA	C1C-C2C-C3C	-3.46	103.34	106.98
22	5	306	CLA	C1C-C2C-C3C	-3.46	103.34	106.98
22	2	311	CLA	C1D-CHD-C4C	-3.46	118.66	126.02
22	6	307	CLA	CHC-C1C-C2C	-3.46	117.11	126.95
22	5	306	CLA	O2D-CGD-O1D	-3.46	117.11	123.85
22	A	830	CLA	C3B-C4B-NB	3.46	113.62	110.53
22	B	822	CLA	CHD-C1D-ND	-3.46	119.93	124.80
22	A	803	CLA	O2D-CGD-O1D	-3.46	117.11	123.85
22	B	837	CLA	O2D-CGD-CBD	3.46	117.28	111.23
22	A	805	CLA	C1C-C2C-C3C	-3.46	103.34	106.98
22	A	832	CLA	C1D-CHD-C4C	-3.46	118.67	126.02
22	5	308	CLA	C1D-CHD-C4C	-3.46	118.67	126.02
22	4	304	CLA	O2A-CGA-CBA	3.46	122.38	111.83
22	A	839	CLA	C3B-C2B-C1B	-3.46	103.09	107.17
22	L	205	CLA	C4C-C3C-C2C	-3.46	101.86	106.89
22	O	205	CLA	C1C-C2C-C3C	-3.46	103.34	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	O	208	5X6	C23-C22-C21	-3.45	113.58	119.01
22	4	302	CLA	C1D-CHD-C4C	-3.45	118.68	126.02
22	3	301	CLA	CAC-C3C-C4C	3.45	129.28	124.79
22	4	312	CLA	C1D-CHD-C4C	-3.45	118.68	126.02
22	A	811	CLA	CHD-C1D-ND	-3.45	119.95	124.80
22	A	802	CLA	C1D-CHD-C4C	-3.45	118.69	126.02
29	B	851	5X6	C40-C22-C21	-3.45	117.23	122.82
22	F	204	CLA	C4C-C3C-C2C	-3.45	101.87	106.89
22	B	811	CLA	C1D-CHD-C4C	-3.45	118.69	126.02
22	3	302	CLA	C3B-C4B-NB	3.45	113.61	110.53
22	A	806	CLA	CHD-C1D-ND	-3.45	119.95	124.80
22	6	306	CLA	CMC-C2C-C1C	3.45	130.42	125.03
22	4	303	CLA	O2D-CGD-O1D	-3.45	117.14	123.85
22	B	808	CLA	CBC-CAC-C3C	-3.45	103.08	112.42
22	2	302	CLA	C4B-C3B-C2B	-3.45	103.02	107.30
22	4	309	CLA	O2D-CGD-CBD	3.45	117.25	111.23
23	B	840	A1L64	O4-C4-C3	3.45	136.68	123.64
22	B	835	CLA	C1-O2A-CGA	3.45	124.99	116.65
22	F	205	CLA	C4B-C3B-C2B	-3.45	103.02	107.30
22	5	306	CLA	C1-O2A-CGA	3.44	124.99	116.65
29	1	316	5X6	C42-C13-C12	-3.44	112.83	118.09
22	B	805	CLA	C1C-C2C-C3C	-3.44	103.36	106.98
22	B	837	CLA	C1C-C2C-C3C	-3.44	103.36	106.98
22	A	826	CLA	O2A-CGA-CBA	3.44	122.33	111.83
22	B	810	CLA	CHD-C1D-ND	-3.44	119.96	124.80
22	K	102	CLA	C4B-C3B-C2B	-3.44	103.02	107.30
22	A	837	CLA	C4C-C3C-C2C	-3.44	101.88	106.89
22	A	835	CLA	C3B-C4B-NB	3.44	113.60	110.53
22	6	311	CLA	C3B-C4B-NB	3.44	113.60	110.53
22	3	302	CLA	C1C-C2C-C3C	-3.44	103.36	106.98
29	3	306	5X6	C01-C02-C07	-3.44	108.09	114.42
22	B	819	CLA	C4C-C3C-C2C	-3.44	101.88	106.89
22	1	308	CLA	C1D-CHD-C4C	-3.44	118.71	126.02
22	2	303	CLA	CAC-C3C-C4C	3.44	129.26	124.79
22	A	836	CLA	C1D-CHD-C4C	-3.44	118.71	126.02
22	B	820	CLA	C3C-C4C-NC	3.44	114.83	110.43
22	1	307	CLA	C1C-C2C-C3C	-3.44	103.37	106.98
22	4	305	CLA	C3C-C4C-NC	3.43	114.83	110.43
22	B	808	CLA	CMC-C2C-C1C	3.43	130.40	125.03
22	1	310	CLA	C1-O2A-CGA	3.43	124.96	116.65
22	Z	201	CLA	C4B-C3B-C2B	-3.43	103.03	107.30
22	2	302	CLA	C1D-CHD-C4C	-3.43	118.72	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	819	CLA	C4C-C3C-C2C	-3.43	101.90	106.89
22	A	832	CLA	C1-O2A-CGA	3.43	124.95	116.65
22	A	807	CLA	C4B-C3B-C2B	-3.43	103.04	107.30
22	B	825	CLA	C3B-C4B-NB	3.43	113.59	110.53
22	2	303	CLA	C3B-C4B-NB	3.43	113.59	110.53
22	B	821	CLA	CAC-C3C-C4C	3.43	129.25	124.79
22	A	815	CLA	C1D-CHD-C4C	-3.43	118.74	126.02
22	6	307	CLA	C1D-CHD-C4C	-3.43	118.74	126.02
22	B	803	CLA	CAA-C2A-C3A	-3.43	103.74	113.00
22	6	314	CLA	C1D-CHD-C4C	-3.42	118.74	126.02
22	A	830	CLA	CAC-C3C-C4C	3.42	129.25	124.79
22	3	301	CLA	C2C-C1C-NC	3.42	113.58	109.98
22	6	310	CLA	C3B-C4B-NB	3.42	113.59	110.53
22	7	309	CLA	C1D-CHD-C4C	-3.42	118.74	126.02
22	O	205	CLA	C3C-C4C-NC	3.42	114.81	110.43
22	7	313	CLA	C1D-CHD-C4C	-3.42	118.75	126.02
22	4	309	CLA	C1C-C2C-C3C	-3.42	103.38	106.98
22	A	814	CLA	C3C-C4C-NC	3.42	114.81	110.43
22	A	807	CLA	CBA-CAA-C2A	3.42	123.97	113.79
22	L	204	CLA	C1C-C2C-C3C	-3.42	103.38	106.98
29	1	311	5X6	C39-C26-C25	-3.42	117.28	122.82
22	F	205	CLA	C2B-C1B-NB	3.42	113.87	110.33
22	A	859	CLA	CAC-C3C-C4C	3.41	129.23	124.79
22	B	813	CLA	C4-C3-C5	3.41	121.15	115.23
22	A	834	CLA	C1C-C2C-C3C	-3.41	103.39	106.98
22	5	302	CLA	C4A-NA-C1A	-3.41	105.12	106.68
25	B	841	BCR	C37-C22-C21	-3.41	117.29	122.82
22	5	304	CLA	C1D-CHD-C4C	-3.41	118.77	126.02
22	Z	201	CLA	C3B-C2B-C1B	-3.41	103.15	107.17
22	J	102	CLA	C1C-C2C-C3C	-3.41	103.39	106.98
22	K	102	CLA	C4C-C3C-C2C	-3.41	101.93	106.89
22	2	308	CLA	C1C-C2C-C3C	-3.41	103.39	106.98
22	B	804	CLA	CMC-C2C-C1C	3.41	130.36	125.03
22	L	204	CLA	CHD-C1D-ND	-3.41	120.01	124.80
22	A	812	CLA	CHD-C1D-ND	-3.41	120.01	124.80
22	A	812	CLA	C1C-C2C-C3C	-3.41	103.40	106.98
29	4	315	5X6	C14-C15-C16	-3.40	113.34	123.20
22	7	312	CLA	CAC-C3C-C4C	3.40	129.22	124.79
22	2	306	CLA	C4B-C3B-C2B	-3.40	103.07	107.30
22	5	310	CLA	C4C-C3C-C2C	-3.40	101.94	106.89
29	J	104	5X6	C24-C23-C22	-3.40	117.04	126.36
22	4	305	CLA	C1C-C2C-C3C	-3.40	103.40	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	814	CLA	CHD-C1D-ND	-3.40	120.02	124.80
22	A	858	CLA	C1C-C2C-C3C	-3.40	103.41	106.98
22	4	306	CLA	C4B-C3B-C2B	-3.40	103.08	107.30
22	1	309	CLA	C1C-C2C-C3C	-3.40	103.41	106.98
25	J	103	BCR	C34-C9-C8	3.40	123.28	118.09
22	B	812	CLA	CMC-C2C-C1C	3.40	130.34	125.03
22	B	815	CLA	CAC-C3C-C4C	3.40	129.21	124.79
22	B	816	CLA	CHD-C1D-ND	-3.40	120.02	124.80
22	B	836	CLA	C1D-CHD-C4C	-3.40	118.80	126.02
22	A	825	CLA	CAC-C3C-C4C	3.40	129.21	124.79
22	7	304	CLA	C2C-C1C-NC	3.40	113.55	109.98
25	4	316	BCR	C37-C22-C21	-3.40	117.31	122.82
22	B	827	CLA	C3B-C4B-NB	3.40	113.56	110.53
22	4	311	CLA	O2D-CGD-O1D	-3.39	117.24	123.85
22	A	823	CLA	C4B-C3B-C2B	-3.39	103.08	107.30
22	A	836	CLA	CAC-C3C-C4C	3.39	129.20	124.79
22	B	805	CLA	CMC-C2C-C1C	3.39	130.34	125.03
22	7	303	CLA	C1D-CHD-C4C	-3.39	118.81	126.02
22	B	822	CLA	C1C-C2C-C3C	-3.39	103.42	106.98
22	B	813	CLA	CMC-C2C-C1C	3.39	130.33	125.03
22	3	302	CLA	C3C-C4C-NC	3.39	114.77	110.43
22	7	307	CLA	C1D-CHD-C4C	-3.39	118.82	126.02
22	A	838	CLA	O2A-CGA-O1A	-3.39	115.16	123.63
22	A	815	CLA	C4C-C3C-C2C	-3.39	101.96	106.89
22	7	309	CLA	C2C-C1C-NC	3.38	113.54	109.98
22	B	839	CLA	CAC-C3C-C4C	3.38	129.19	124.79
22	5	308	CLA	CAA-C2A-C3A	-3.38	108.47	116.23
22	A	804	CLA	C3D-C4D-ND	3.38	115.48	109.99
29	7	316	5X6	C25-C24-C23	-3.38	113.41	123.20
22	A	835	CLA	CHD-C1D-ND	-3.38	120.05	124.80
22	5	305	CLA	C4B-C3B-C2B	-3.38	103.10	107.30
22	B	809	CLA	C1D-CHD-C4C	-3.38	118.84	126.02
22	A	827	CLA	C3B-C4B-NB	3.38	113.55	110.53
22	A	809	CLA	C3C-C4C-NC	3.38	114.76	110.43
22	A	834	CLA	C1D-CHD-C4C	-3.38	118.84	126.02
22	B	830	CLA	CAC-C3C-C4C	3.38	129.19	124.79
22	A	859	CLA	CHC-C1C-C2C	-3.38	117.35	126.95
29	M	101	5X6	C16-C17-C18	-3.38	113.70	119.01
22	A	817	CLA	C1C-C2C-C3C	-3.38	103.43	106.98
22	A	829	CLA	C4C-C3C-C2C	-3.37	101.98	106.89
22	A	809	CLA	C1D-CHD-C4C	-3.37	118.85	126.02
22	A	830	CLA	O2D-CGD-O1D	-3.37	117.28	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	839	CLA	C4B-C3B-C2B	-3.37	103.11	107.30
22	7	311	CLA	C4B-C3B-C2B	-3.37	103.11	107.30
22	6	303	CLA	C3C-C4C-NC	3.37	114.75	110.43
22	F	206	CLA	C4A-NA-C1A	-3.37	105.14	106.68
22	B	808	CLA	C1D-CHD-C4C	-3.37	118.86	126.02
22	7	304	CLA	C3C-C4C-NC	3.37	114.75	110.43
29	5	314	5X6	C14-C15-C16	-3.37	113.44	123.20
22	5	306	CLA	CAC-C3C-C4C	3.37	129.17	124.79
31	6	318	RRX	C34-C9-C8	3.37	123.23	118.09
22	A	809	CLA	O2D-CGD-O1D	-3.37	117.29	123.85
29	2	313	5X6	C01-C02-C07	-3.37	108.23	114.42
25	A	846	BCR	C37-C22-C23	3.37	123.23	118.09
22	2	307	CLA	C1C-C2C-C3C	-3.37	103.44	106.98
22	A	859	CLA	O2D-CGD-O1D	-3.37	117.29	123.85
22	Z	201	CLA	C1C-C2C-C3C	-3.37	103.44	106.98
22	2	304	CLA	C1D-CHD-C4C	-3.37	118.86	126.02
25	5	315	BCR	C37-C22-C23	3.37	123.23	118.09
22	4	308	CLA	C3C-C4C-NC	3.37	114.74	110.43
22	7	313	CLA	C1C-C2C-C3C	-3.37	103.44	106.98
22	A	807	CLA	O2A-CGA-CBA	3.36	122.09	111.83
22	B	804	CLA	C4C-C3C-C2C	-3.36	101.99	106.89
22	3	301	CLA	C3C-C4C-NC	3.36	114.74	110.43
22	O	204	CLA	C1C-C2C-C3C	-3.36	103.44	106.98
22	L	205	CLA	CMB-C2B-C1B	3.36	130.54	125.42
22	7	310	CLA	C4B-C3B-C2B	-3.36	103.12	107.30
29	7	316	5X6	C38-C30-C31	-3.36	108.24	114.42
22	7	305	CLA	CAC-C3C-C4C	3.36	129.16	124.79
22	7	306	CLA	C2A-C1A-CHA	-3.36	118.03	123.87
29	1	312	5X6	C41-C17-C16	-3.36	112.95	118.09
22	B	811	CLA	CHC-C1C-C2C	-3.36	117.39	126.95
22	3	303	CLA	C1D-CHD-C4C	-3.36	118.88	126.02
29	6	317	5X6	C38-C30-C31	-3.36	108.24	114.42
22	A	818	CLA	C1D-CHD-C4C	-3.36	118.88	126.02
22	6	309	CLA	CAC-C3C-C4C	3.36	129.16	124.79
22	B	814	CLA	C3B-C4B-NB	3.36	113.53	110.53
22	A	807	CLA	C1C-C2C-C3C	-3.36	103.45	106.98
29	5	314	5X6	C27-C28-C29	-3.36	118.03	127.00
22	L	205	CLA	CHD-C1D-ND	-3.36	120.08	124.80
22	B	802	CLA	C4C-C3C-C2C	-3.36	102.00	106.89
22	4	304	CLA	C1D-CHD-C4C	-3.36	118.89	126.02
25	A	844	BCR	C30-C25-C26	-3.36	118.05	122.64
22	4	302	CLA	C3C-C4C-NC	3.36	114.73	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	1	313	5X6	C14-C15-C16	-3.35	113.48	123.20
22	1	309	CLA	C3C-C4C-NC	3.35	114.73	110.43
22	O	206	CLA	C3B-C4B-NB	3.35	113.52	110.53
22	B	818	CLA	O2D-CGD-O1D	-3.35	117.32	123.85
29	7	314	5X6	C14-C15-C16	-3.35	113.48	123.20
22	7	311	CLA	CAC-C3C-C4C	3.35	129.15	124.79
22	3	305	CLA	C3C-C4C-NC	3.35	114.72	110.43
22	A	805	CLA	C4C-C3C-C2C	-3.35	102.01	106.89
22	5	305	CLA	C1D-CHD-C4C	-3.35	118.89	126.02
22	A	824	CLA	C4A-NA-C1A	-3.35	105.15	106.68
22	7	310	CLA	C1D-CHD-C4C	-3.35	118.90	126.02
22	A	848	CLA	O2D-CGD-CBD	3.35	117.09	111.23
22	2	303	CLA	C1D-CHD-C4C	-3.35	118.90	126.02
29	1	312	5X6	C38-C30-C31	-3.35	108.27	114.42
22	5	302	CLA	C1-C2-C3	-3.35	120.71	126.20
25	L	202	BCR	C34-C9-C8	3.35	123.20	118.09
22	5	308	CLA	C4B-C3B-C2B	-3.35	103.14	107.30
22	A	815	CLA	C1C-C2C-C3C	-3.34	103.46	106.98
22	B	810	CLA	C4C-C3C-C2C	-3.34	102.02	106.89
22	A	814	CLA	C2B-C1B-NB	3.34	113.79	110.33
25	A	845	BCR	C29-C30-C25	3.34	115.30	110.44
22	2	310	CLA	C3C-C4C-NC	3.34	114.71	110.43
29	M	101	5X6	C11-C03-C02	-3.34	113.86	121.56
22	O	203	CLA	C4B-C3B-C2B	-3.34	103.15	107.30
22	B	834	CLA	O2D-CGD-O1D	-3.34	117.34	123.85
29	6	316	5X6	C23-C22-C21	-3.34	113.75	119.01
22	A	818	CLA	C3B-C4B-NB	3.34	113.51	110.53
22	4	310	CLA	C4B-C3B-C2B	-3.34	103.15	107.30
22	A	834	CLA	C4B-C3B-C2B	-3.34	103.15	107.30
29	1	316	5X6	C41-C17-C18	-3.34	117.41	122.82
22	6	307	CLA	O2A-CGA-CBA	3.34	122.01	111.83
22	5	310	CLA	C3B-C4B-NB	3.34	113.51	110.53
22	B	836	CLA	C4C-C3C-C2C	-3.34	102.03	106.89
22	B	814	CLA	C4A-NA-C1A	-3.34	105.16	106.68
22	B	833	CLA	CMB-C2B-C1B	3.34	130.50	125.42
22	4	306	CLA	C3C-C4C-NC	3.34	114.70	110.43
22	B	850	CLA	CHC-C1C-C2C	-3.34	117.47	126.95
22	5	302	CLA	C4B-C3B-C2B	-3.33	103.16	107.30
22	4	306	CLA	C1D-CHD-C4C	-3.33	118.93	126.02
22	1	306	CLA	C4A-NA-C1A	-3.33	105.16	106.68
22	B	827	CLA	O2D-CGD-O1D	-3.33	117.36	123.85
22	B	801	CLA	CHD-C1D-ND	-3.33	120.12	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	859	CLA	C1D-CHD-C4C	-3.33	118.94	126.02
22	A	827	CLA	C3C-C4C-NC	3.33	114.69	110.43
22	A	835	CLA	CAC-C3C-C4C	3.33	129.12	124.79
22	6	309	CLA	C1C-C2C-C3C	-3.33	103.48	106.98
22	A	834	CLA	C3C-C4C-NC	3.33	114.69	110.43
22	A	838	CLA	C1D-CHD-C4C	-3.33	118.95	126.02
22	B	827	CLA	C1D-CHD-C4C	-3.33	118.95	126.02
22	A	837	CLA	O2A-CGA-CBA	3.33	121.97	111.83
22	F	206	CLA	CMA-C3A-C2A	-3.33	108.60	116.23
25	Z	202	BCR	C37-C22-C23	3.32	123.17	118.09
22	J	102	CLA	CHC-C1C-C2C	-3.32	117.50	126.95
22	7	307	CLA	C1C-C2C-C3C	-3.32	103.48	106.98
22	F	206	CLA	CHD-C1D-ND	-3.32	120.13	124.80
22	A	858	CLA	O2A-CGA-O1A	-3.32	115.32	123.63
22	B	804	CLA	C1C-C2C-C3C	-3.32	103.49	106.98
22	L	203	CLA	CHC-C1C-C2C	-3.32	117.51	126.95
25	A	861	BCR	C34-C9-C8	3.32	123.16	118.09
22	A	826	CLA	C3B-C4B-NB	3.32	113.50	110.53
22	6	312	CLA	C3B-C4B-NB	3.32	113.50	110.53
22	A	833	CLA	CBC-CAC-C3C	-3.32	103.42	112.42
22	A	826	CLA	C1D-CHD-C4C	-3.32	118.96	126.02
22	B	839	CLA	C1D-CHD-C4C	-3.32	118.96	126.02
22	A	813	CLA	C4B-C3B-C2B	-3.32	103.17	107.30
22	B	803	CLA	C3B-C4B-NB	3.32	113.49	110.53
29	5	314	5X6	C11-C03-C02	-3.32	113.91	121.56
31	4	317	RRX	C34-C9-C8	3.32	123.16	118.09
22	A	829	CLA	CHD-C1D-ND	-3.32	120.13	124.80
22	A	804	CLA	C1D-CHD-C4C	-3.32	118.97	126.02
22	A	806	CLA	C1D-CHD-C4C	-3.32	118.97	126.02
22	B	813	CLA	C4B-C3B-C2B	-3.32	103.18	107.30
22	B	806	CLA	C2B-C1B-NB	3.32	113.77	110.33
22	A	836	CLA	O2A-CGA-CBA	3.32	121.95	111.83
22	A	836	CLA	CHC-C1C-C2C	-3.32	117.52	126.95
22	B	809	CLA	C4B-C3B-C2B	-3.32	103.18	107.30
22	B	834	CLA	C4B-C3B-C2B	-3.32	103.18	107.30
22	B	813	CLA	CHD-C1D-ND	-3.32	120.14	124.80
22	A	825	CLA	C4C-C3C-C2C	-3.32	102.07	106.89
22	4	303	CLA	C4C-C3C-C2C	-3.32	102.07	106.89
22	B	814	CLA	C1C-C2C-C3C	-3.31	103.49	106.98
22	A	817	CLA	C4A-NA-C1A	-3.31	105.17	106.68
22	A	812	CLA	C4C-C3C-C2C	-3.31	102.07	106.89
22	4	308	CLA	C1D-CHD-C4C	-3.31	118.98	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	801	CLA	O2D-CGD-CBD	3.31	117.02	111.23
22	A	805	CLA	C1D-CHD-C4C	-3.31	118.98	126.02
22	2	305	CLA	C1C-C2C-C3C	-3.31	103.50	106.98
22	5	302	CLA	C1C-C2C-C3C	-3.31	103.50	106.98
29	2	312	5X6	C15-C16-C17	-3.31	117.29	126.36
29	6	317	5X6	C41-C17-C18	-3.31	117.46	122.82
22	B	818	CLA	C1D-CHD-C4C	-3.31	118.99	126.02
22	A	828	CLA	CHD-C1D-ND	-3.31	120.15	124.80
22	A	835	CLA	C4-C3-C5	3.31	120.02	116.13
29	5	314	5X6	C38-C30-C31	-3.31	108.34	114.42
23	B	840	A1L64	O3-C3-C2	-3.31	105.48	116.64
22	5	309	CLA	C4B-C3B-C2B	-3.30	103.19	107.30
29	2	312	5X6	C14-C15-C16	-3.30	113.63	123.20
22	L	203	CLA	C4B-C3B-C2B	-3.30	103.20	107.30
22	K	102	CLA	C1C-C2C-C3C	-3.30	103.51	106.98
22	B	816	CLA	O1D-CGD-CBD	-3.30	118.01	124.52
22	A	816	CLA	C4C-C3C-C2C	-3.30	102.09	106.89
22	2	309	CLA	C4C-C3C-C2C	-3.30	102.09	106.89
22	4	302	CLA	C4B-C3B-C2B	-3.30	103.20	107.30
22	2	302	CLA	C1C-C2C-C3C	-3.30	103.51	106.98
22	6	314	CLA	C1C-C2C-C3C	-3.30	103.51	106.98
25	B	841	BCR	C34-C9-C10	-3.30	117.48	122.82
22	A	814	CLA	CHC-C1C-C2C	-3.30	117.58	126.95
31	6	318	RRX	C37-C22-C23	3.30	123.12	118.09
22	A	821	CLA	C4B-C3B-C2B	-3.29	103.20	107.30
22	2	309	CLA	C4B-C3B-C2B	-3.29	103.20	107.30
22	2	306	CLA	C1D-CHD-C4C	-3.29	119.02	126.02
21	A	801	CL0	CMA-C3A-C2A	-3.29	101.41	114.13
22	5	303	CLA	CAC-C3C-C4C	3.29	129.07	124.79
22	1	302	CLA	CHC-C1C-C2C	-3.29	117.59	126.95
22	B	838	CLA	O2D-CGD-O1D	-3.29	117.44	123.85
22	B	828	CLA	C4B-C3B-C2B	-3.29	103.21	107.30
22	B	833	CLA	C1D-CHD-C4C	-3.29	119.03	126.02
22	A	837	CLA	C1C-C2C-C3C	-3.29	103.52	106.98
22	7	305	CLA	C3C-C4C-NC	3.29	114.64	110.43
22	B	830	CLA	C4A-NA-C1A	-3.29	105.18	106.68
22	1	309	CLA	CHC-C1C-C2C	-3.29	117.60	126.95
22	A	811	CLA	C1C-C2C-C3C	-3.29	103.52	106.98
22	A	831	CLA	C1C-C2C-C3C	-3.29	103.52	106.98
22	B	837	CLA	C4C-C3C-C2C	-3.29	102.10	106.89
22	7	311	CLA	C1C-C2C-C3C	-3.29	103.52	106.98
22	7	313	CLA	C3C-C4C-NC	3.29	114.64	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	5	313	5X6	C27-C28-C29	-3.29	118.22	127.00
22	5	304	CLA	C4B-C3B-C2B	-3.29	103.22	107.30
22	A	829	CLA	C1C-C2C-C3C	-3.29	103.52	106.98
22	B	801	CLA	C1C-C2C-C3C	-3.29	103.52	106.98
22	7	308	CLA	CAC-C3C-C4C	3.29	129.06	124.79
22	B	822	CLA	C4B-C3B-C2B	-3.28	103.22	107.30
22	7	306	CLA	C1D-CHD-C4C	-3.28	119.04	126.02
22	A	811	CLA	C4C-C3C-C2C	-3.28	102.11	106.89
22	B	808	CLA	C2A-C1A-CHA	-3.28	118.17	123.87
25	A	843	BCR	C34-C9-C10	-3.28	117.50	122.82
22	A	837	CLA	CBC-CAC-C3C	-3.28	103.52	112.42
22	A	848	CLA	O2A-CGA-CBA	3.28	121.84	111.83
22	A	857	CLA	C2B-C1B-NB	3.28	113.73	110.33
22	A	824	CLA	C3B-C4B-NB	3.28	113.46	110.53
22	7	310	CLA	C4C-C3C-C2C	-3.28	102.11	106.89
22	2	302	CLA	CHC-C1C-C2C	-3.28	117.62	126.95
22	2	310	CLA	C4B-C3B-C2B	-3.28	103.22	107.30
22	5	306	CLA	C4B-C3B-C2B	-3.28	103.22	107.30
31	4	317	RRX	C37-C22-C23	3.28	123.10	118.09
22	B	835	CLA	C1D-CHD-C4C	-3.28	119.05	126.02
22	B	819	CLA	C4B-C3B-C2B	-3.28	103.22	107.30
22	B	808	CLA	C1C-C2C-C3C	-3.28	103.53	106.98
22	B	817	CLA	C1D-CHD-C4C	-3.28	119.05	126.02
29	1	314	5X6	C41-C17-C18	-3.28	117.50	122.82
22	K	101	CLA	C3B-C4B-NB	3.28	113.46	110.53
22	1	306	CLA	C4B-C3B-C2B	-3.28	103.23	107.30
22	B	801	CLA	CAA-C2A-C3A	-3.28	104.14	113.00
22	1	307	CLA	C4B-C3B-C2B	-3.28	103.23	107.30
22	A	819	CLA	CAC-C3C-C4C	3.28	129.05	124.79
22	J	102	CLA	C4B-C3B-C2B	-3.28	103.23	107.30
22	B	826	CLA	C1C-C2C-C3C	-3.28	103.53	106.98
22	4	305	CLA	CBA-CAA-C2A	3.28	123.54	113.79
22	B	834	CLA	CHD-C1D-ND	-3.27	120.19	124.80
22	B	814	CLA	C4C-C3C-C2C	-3.27	102.12	106.89
22	B	806	CLA	C4B-C3B-C2B	-3.27	103.23	107.30
22	A	827	CLA	C4A-NA-C1A	-3.27	105.19	106.68
22	A	826	CLA	CAA-C2A-C3A	-3.27	104.16	113.00
22	2	305	CLA	C4B-C3B-C2B	-3.27	103.23	107.30
22	6	308	CLA	CHC-C1C-C2C	-3.27	117.65	126.95
22	1	310	CLA	C4C-C3C-C2C	-3.27	102.13	106.89
22	1	307	CLA	C1D-CHD-C4C	-3.27	119.07	126.02
22	B	807	CLA	CMB-C2B-C1B	3.27	130.40	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	832	CLA	C1D-CHD-C4C	-3.27	119.07	126.02
25	B	842	BCR	C37-C22-C23	3.27	123.08	118.09
22	O	206	CLA	CHC-C1C-C2C	-3.27	117.66	126.95
22	6	303	CLA	CHC-C1C-C2C	-3.27	117.66	126.95
22	3	303	CLA	CHC-C1C-C2C	-3.27	117.66	126.95
22	B	812	CLA	C1D-CHD-C4C	-3.27	119.08	126.02
29	7	317	5X6	C39-C26-C27	-3.27	113.10	118.09
31	1	315	RRX	C34-C9-C10	-3.27	117.52	122.82
22	1	310	CLA	C4-C3-C5	3.27	120.90	115.23
22	6	314	CLA	C4C-C3C-C2C	-3.27	102.14	106.89
22	A	831	CLA	CMC-C2C-C1C	3.26	130.14	125.03
22	A	833	CLA	C4A-NA-C1A	-3.26	105.19	106.68
22	B	838	CLA	C4C-C3C-C2C	-3.26	102.14	106.89
22	4	305	CLA	C4B-C3B-C2B	-3.26	103.24	107.30
25	2	301	BCR	C34-C9-C10	-3.26	117.53	122.82
22	B	815	CLA	C3B-C4B-NB	3.26	113.44	110.53
22	1	308	CLA	C3C-C4C-NC	3.26	114.61	110.43
29	5	321	5X6	C25-C24-C23	-3.26	113.76	123.20
22	B	820	CLA	C1C-C2C-C3C	-3.26	103.55	106.98
29	5	321	5X6	C41-C17-C16	-3.26	113.11	118.09
22	7	303	CLA	CHC-C1C-C2C	-3.26	117.70	126.95
22	5	302	CLA	C3B-C4B-NB	3.26	113.44	110.53
22	1	304	CLA	C4A-NA-C1A	-3.25	105.19	106.68
22	2	304	CLA	CAC-C3C-C4C	3.25	129.03	124.79
25	A	846	BCR	C37-C22-C21	-3.25	117.54	122.82
22	B	839	CLA	O2A-CGA-CBA	3.25	121.76	111.83
22	A	807	CLA	C1D-CHD-C4C	-3.25	119.11	126.02
22	B	831	CLA	C1D-CHD-C4C	-3.25	119.11	126.02
22	A	820	CLA	C4B-C3B-C2B	-3.25	103.26	107.30
22	K	101	CLA	C4C-C3C-C2C	-3.25	102.16	106.89
22	B	803	CLA	CHD-C1D-ND	-3.25	120.23	124.80
22	4	305	CLA	C4-C3-C2	-3.25	115.28	123.63
22	B	822	CLA	C3B-C4B-NB	3.25	113.43	110.53
22	B	826	CLA	C4C-C3C-C2C	-3.25	102.16	106.89
22	5	308	CLA	C4C-C3C-C2C	-3.25	102.16	106.89
22	A	838	CLA	C2A-C1A-CHA	-3.25	118.23	123.87
31	4	317	RRX	C37-C22-C21	-3.25	117.56	122.82
22	B	812	CLA	C1C-C2C-C3C	-3.25	103.57	106.98
22	B	810	CLA	CAC-C3C-C4C	3.24	129.01	124.79
22	B	802	CLA	CAC-C3C-C4C	3.24	129.01	124.79
22	6	312	CLA	C1C-C2C-C3C	-3.24	103.57	106.98
22	2	306	CLA	CHC-C1C-C2C	-3.24	117.73	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	5	305	CLA	C3C-C4C-NC	3.24	114.58	110.43
22	A	829	CLA	C1D-CHD-C4C	-3.24	119.13	126.02
22	A	815	CLA	CAC-C3C-C4C	3.24	129.01	124.79
22	2	306	CLA	C1C-C2C-C3C	-3.24	103.57	106.98
29	5	321	5X6	C38-C30-C31	-3.24	108.46	114.42
22	2	310	CLA	CAC-C3C-C4C	3.24	129.00	124.79
22	6	306	CLA	C3C-C4C-NC	3.24	114.58	110.43
22	A	858	CLA	C4C-C3C-C2C	-3.24	102.18	106.89
22	B	832	CLA	C1C-C2C-C3C	-3.24	103.58	106.98
22	A	837	CLA	C1D-CHD-C4C	-3.24	119.14	126.02
22	3	302	CLA	C4B-C3B-C2B	-3.24	103.28	107.30
22	4	304	CLA	C3C-C4C-NC	3.23	114.57	110.43
22	A	811	CLA	C3B-C4B-NB	3.23	113.42	110.53
22	B	805	CLA	C1D-CHD-C4C	-3.23	119.15	126.02
22	A	830	CLA	C1D-CHD-C4C	-3.23	119.15	126.02
22	6	307	CLA	C3C-C4C-NC	3.23	114.57	110.43
22	Z	204	CLA	CMC-C2C-C1C	3.23	130.09	125.03
22	A	822	CLA	C4C-C3C-C2C	-3.23	102.19	106.89
22	1	309	CLA	C4C-C3C-C2C	-3.23	102.19	106.89
22	A	827	CLA	CHC-C1C-C2C	-3.23	117.76	126.95
25	B	843	BCR	C34-C9-C8	3.23	123.02	118.09
22	A	825	CLA	O2D-CGD-O1D	-3.23	117.56	123.85
22	A	816	CLA	C1C-C2C-C3C	-3.23	103.58	106.98
22	B	849	CLA	CAC-C3C-C4C	3.23	128.99	124.79
29	4	313	5X6	C15-C16-C17	-3.23	117.51	126.36
22	A	802	CLA	CMC-C2C-C1C	3.23	130.08	125.03
22	1	302	CLA	C4B-C3B-C2B	-3.23	103.29	107.30
22	A	819	CLA	C1C-C2C-C3C	-3.23	103.59	106.98
22	1	303	CLA	C2C-C1C-NC	3.23	113.37	109.98
22	B	817	CLA	O2D-CGD-O1D	-3.23	117.57	123.85
22	6	313	CLA	C4C-C3C-C2C	-3.22	102.20	106.89
22	B	825	CLA	C4C-C3C-C2C	-3.22	102.20	106.89
22	7	309	CLA	C3C-C4C-NC	3.22	114.56	110.43
22	A	834	CLA	CHC-C1C-C2C	-3.22	117.79	126.95
22	5	301	CLA	CHC-C1C-C2C	-3.22	117.79	126.95
22	F	205	CLA	C3B-C2B-C1B	-3.22	103.37	107.17
22	4	304	CLA	CHC-C1C-C2C	-3.22	117.79	126.95
22	4	307	CLA	CAC-C3C-C4C	3.22	128.98	124.79
22	B	832	CLA	C4C-C3C-C2C	-3.22	102.20	106.89
22	5	309	CLA	CHC-C1C-C2C	-3.22	117.79	126.95
22	A	815	CLA	CMB-C2B-C1B	3.22	130.32	125.42
22	3	304	CLA	CAC-C3C-C4C	3.22	128.98	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	831	CLA	C4B-C3B-C2B	-3.22	103.30	107.30
22	K	102	CLA	CHC-C1C-C2C	-3.22	117.80	126.95
22	2	305	CLA	C1D-CHD-C4C	-3.22	119.18	126.02
22	B	825	CLA	C4B-C3B-C2B	-3.22	103.30	107.30
25	I	102	BCR	C37-C22-C21	-3.22	117.60	122.82
22	2	311	CLA	CAC-C3C-C4C	3.22	128.98	124.79
22	5	302	CLA	CMC-C2C-C1C	3.22	130.06	125.03
22	5	305	CLA	CHC-C1C-C2C	-3.22	117.81	126.95
25	L	206	BCR	C37-C22-C21	-3.22	117.61	122.82
22	A	810	CLA	C4B-C3B-C2B	-3.22	103.30	107.30
22	B	828	CLA	CAA-C2A-C3A	-3.21	104.31	113.00
22	A	806	CLA	C1-O2A-CGA	3.21	124.43	116.65
22	B	823	CLA	C2A-C1A-CHA	-3.21	118.29	123.87
29	1	312	5X6	C42-C13-C12	-3.21	113.18	118.09
29	7	317	5X6	C14-C15-C16	-3.21	113.89	123.20
29	Z	206	5X6	C01-C02-C07	-3.21	108.51	114.42
22	6	304	CLA	C1C-C2C-C3C	-3.21	103.60	106.98
22	4	308	CLA	C2C-C1C-NC	3.21	113.36	109.98
22	B	823	CLA	C1D-CHD-C4C	-3.21	119.19	126.02
29	5	312	5X6	C24-C23-C22	-3.21	117.56	126.36
22	A	833	CLA	C1D-CHD-C4C	-3.21	119.19	126.02
22	2	308	CLA	C1-O2A-CGA	3.21	124.42	116.65
22	A	839	CLA	CMC-C2C-C1C	3.21	130.05	125.03
29	7	318	5X6	C14-C15-C16	-3.21	113.90	123.20
22	B	849	CLA	C4B-C3B-C2B	-3.21	103.31	107.30
22	F	206	CLA	C4B-C3B-C2B	-3.21	103.31	107.30
22	7	313	CLA	C4B-C3B-C2B	-3.21	103.31	107.30
22	4	312	CLA	C3C-C4C-NC	3.21	114.54	110.43
22	O	205	CLA	C4B-C3B-C2B	-3.21	103.31	107.30
22	2	304	CLA	CHC-C1C-C2C	-3.21	117.83	126.95
22	B	837	CLA	C1D-CHD-C4C	-3.21	119.20	126.02
25	L	201	BCR	C16-C15-C14	3.21	130.08	123.52
22	A	823	CLA	O2A-CGA-CBA	3.21	121.62	111.83
22	A	813	CLA	CAC-C3C-C4C	3.21	128.96	124.79
22	A	817	CLA	C4B-C3B-C2B	-3.21	103.31	107.30
22	A	803	CLA	CHC-C1C-C2C	-3.21	117.84	126.95
22	B	820	CLA	O2D-CGD-O1D	-3.20	117.61	123.85
25	L	206	BCR	C34-C9-C10	-3.20	117.62	122.82
22	A	812	CLA	C1D-CHD-C4C	-3.20	119.21	126.02
29	B	851	5X6	C28-C29-C30	-3.20	114.18	121.56
22	4	306	CLA	C1C-C2C-C3C	-3.20	103.61	106.98
22	4	309	CLA	C3C-C4C-NC	3.20	114.53	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	857	CLA	CAC-C3C-C4C	3.20	128.96	124.79
22	B	801	CLA	C3B-C4B-NB	3.20	113.39	110.53
22	1	308	CLA	C4B-C3B-C2B	-3.20	103.32	107.30
22	5	310	CLA	C1C-C2C-C3C	-3.20	103.61	106.98
22	Z	204	CLA	C4-C3-C5	3.20	120.79	115.23
22	B	827	CLA	C4C-C3C-C2C	-3.20	102.23	106.89
22	2	303	CLA	C4B-C3B-C2B	-3.20	103.32	107.30
22	A	848	CLA	C4C-C3C-C2C	-3.20	102.23	106.89
22	B	822	CLA	C1D-CHD-C4C	-3.20	119.22	126.02
22	B	803	CLA	CAC-C3C-C4C	3.20	128.95	124.79
22	5	303	CLA	CED-O2D-CGD	3.20	123.17	115.92
22	7	310	CLA	C1C-C2C-C3C	-3.20	103.61	106.98
22	6	304	CLA	C2A-C1A-CHA	-3.20	118.31	123.87
22	4	309	CLA	C4B-C3B-C2B	-3.20	103.32	107.30
25	L	201	BCR	C37-C22-C23	3.20	122.97	118.09
22	4	302	CLA	C1C-C2C-C3C	-3.20	103.62	106.98
22	2	308	CLA	C1D-CHD-C4C	-3.20	119.22	126.02
22	B	829	CLA	C4B-C3B-C2B	-3.20	103.33	107.30
29	1	312	5X6	C24-C23-C22	-3.20	117.60	126.36
22	F	204	CLA	CHD-C1D-ND	-3.20	120.30	124.80
22	1	304	CLA	C3B-C4B-NB	3.20	113.38	110.53
22	1	305	CLA	CHC-C1C-C2C	-3.20	117.86	126.95
22	A	828	CLA	C2B-C1B-NB	3.20	113.64	110.33
22	2	311	CLA	C1C-C2C-C3C	-3.20	103.62	106.98
22	5	308	CLA	C1C-C2C-C3C	-3.20	103.62	106.98
22	6	311	CLA	C1C-C2C-C3C	-3.20	103.62	106.98
22	B	811	CLA	CAC-C3C-C4C	3.20	128.95	124.79
22	B	817	CLA	CBC-CAC-C3C	-3.20	103.76	112.42
22	1	310	CLA	C3B-C4B-NB	3.19	113.38	110.53
22	B	818	CLA	CHC-C1C-C2C	-3.19	117.87	126.95
22	A	809	CLA	C1C-C2C-C3C	-3.19	103.62	106.98
22	A	838	CLA	C4B-C3B-C2B	-3.19	103.33	107.30
22	B	807	CLA	C4C-C3C-C2C	-3.19	102.24	106.89
22	5	311	CLA	C3C-C4C-NC	3.19	114.52	110.43
22	1	302	CLA	CMC-C2C-C1C	3.19	130.02	125.03
22	1	306	CLA	CHC-C1C-C2C	-3.19	117.88	126.95
29	6	317	5X6	C39-C26-C25	-3.19	117.65	122.82
22	4	309	CLA	C4-C3-C5	3.19	120.77	115.23
22	A	806	CLA	C3B-C4B-NB	3.19	113.38	110.53
22	5	309	CLA	CAC-C3C-C4C	3.19	128.94	124.79
22	7	312	CLA	CMC-C2C-C1C	3.19	130.02	125.03
22	5	311	CLA	CHC-C1C-C2C	-3.19	117.89	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	810	CLA	C1D-CHD-C4C	-3.19	119.24	126.02
22	A	822	CLA	CHC-C1C-C2C	-3.19	117.89	126.95
22	5	303	CLA	CHC-C1C-C2C	-3.19	117.89	126.95
22	A	816	CLA	C1D-CHD-C4C	-3.19	119.25	126.02
22	7	308	CLA	C3C-C4C-NC	3.19	114.51	110.43
22	4	306	CLA	CHC-C1C-C2C	-3.19	117.89	126.95
25	A	843	BCR	C15-C16-C17	3.19	130.04	123.52
22	3	301	CLA	CMC-C2C-C1C	3.19	130.01	125.03
22	B	802	CLA	C1D-CHD-C4C	-3.19	119.25	126.02
22	A	839	CLA	CMA-C3A-C2A	-3.19	101.67	113.98
22	6	304	CLA	C4B-C3B-C2B	-3.19	103.34	107.30
22	B	824	CLA	CHD-C1D-ND	-3.19	120.32	124.80
29	2	313	5X6	C39-C26-C25	-3.18	117.66	122.82
22	6	303	CLA	CAC-C3C-C4C	3.18	128.93	124.79
22	A	836	CLA	CBC-CAC-C3C	-3.18	103.79	112.42
22	B	827	CLA	C4B-C3B-C2B	-3.18	103.34	107.30
22	2	308	CLA	CMC-C2C-C1C	3.18	130.01	125.03
22	5	304	CLA	CAC-C3C-C4C	3.18	128.93	124.79
22	B	812	CLA	C4C-C3C-C2C	-3.18	102.26	106.89
22	A	804	CLA	C4B-C3B-C2B	-3.18	103.34	107.30
22	Z	204	CLA	CBC-CAC-C3C	-3.18	103.80	112.42
22	1	309	CLA	C3B-C4B-NB	3.18	113.37	110.53
22	6	313	CLA	C3B-C4B-NB	3.18	113.37	110.53
29	7	316	5X6	C41-C17-C16	-3.18	113.23	118.09
22	6	305	CLA	C1C-C2C-C3C	-3.18	103.64	106.98
22	B	809	CLA	C2B-C1B-NB	3.18	113.62	110.33
25	1	301	BCR	C34-C9-C10	-3.18	117.67	122.82
22	4	312	CLA	C1C-C2C-C3C	-3.18	103.64	106.98
22	B	807	CLA	C1C-C2C-C3C	-3.18	103.64	106.98
22	4	308	CLA	C1C-C2C-C3C	-3.18	103.64	106.98
22	7	310	CLA	CHC-C1C-C2C	-3.18	117.92	126.95
22	1	307	CLA	C4A-NA-C1A	-3.18	105.23	106.68
29	1	316	5X6	C23-C22-C21	-3.18	114.01	119.01
22	B	817	CLA	C4C-C3C-C2C	-3.18	102.27	106.89
22	B	831	CLA	C4C-C3C-C2C	-3.18	102.27	106.89
22	A	825	CLA	C3B-C4B-NB	3.18	113.37	110.53
25	5	315	BCR	C34-C9-C8	3.18	122.94	118.09
22	A	858	CLA	CMC-C2C-C1C	3.18	130.00	125.03
22	3	305	CLA	C1C-C2C-C3C	-3.18	103.64	106.98
22	5	310	CLA	C4B-C3B-C2B	-3.18	103.35	107.30
22	A	802	CLA	C4C-C3C-C2C	-3.18	102.27	106.89
22	B	806	CLA	CHD-C1D-ND	-3.18	120.33	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	807	CLA	O2D-CGD-O1D	-3.17	117.67	123.85
22	A	817	CLA	C1-C2-C3	-3.17	121.00	126.20
22	A	816	CLA	CHD-C1D-ND	-3.17	120.33	124.80
22	5	309	CLA	C4C-C3C-C2C	-3.17	102.27	106.89
22	5	303	CLA	C4A-NA-C1A	-3.17	105.23	106.68
29	1	316	5X6	C25-C24-C23	-3.17	114.01	123.20
22	F	204	CLA	O2D-CGD-CBD	3.17	116.78	111.23
22	A	827	CLA	CHD-C1D-ND	-3.17	120.34	124.80
22	B	815	CLA	O2D-CGD-O1D	-3.17	117.68	123.85
22	4	307	CLA	C4C-C3C-C2C	-3.17	102.28	106.89
22	B	813	CLA	C1D-CHD-C4C	-3.17	119.29	126.02
22	A	810	CLA	O2D-CGD-O1D	-3.17	117.68	123.85
22	B	815	CLA	C1C-C2C-C3C	-3.17	103.65	106.98
29	B	851	5X6	C25-C24-C23	-3.17	114.03	123.20
22	B	834	CLA	C3B-C4B-NB	3.16	113.35	110.53
22	B	829	CLA	CMC-C2C-C1C	3.16	129.97	125.03
25	Z	205	BCR	C15-C16-C17	3.16	129.98	123.52
22	A	835	CLA	O2D-CGD-O1D	-3.16	117.70	123.85
22	B	814	CLA	O2A-CGA-CBA	3.16	121.46	111.83
25	A	844	BCR	C16-C15-C14	3.16	129.98	123.52
22	K	101	CLA	C1C-C2C-C3C	-3.16	103.66	106.98
22	A	831	CLA	CHD-C1D-ND	-3.16	120.36	124.80
22	L	204	CLA	C4C-C3C-C2C	-3.16	102.30	106.89
22	2	305	CLA	C3C-C4C-NC	3.16	114.47	110.43
25	F	207	BCR	C37-C22-C23	3.16	122.91	118.09
22	A	819	CLA	CED-O2D-CGD	3.15	123.07	115.92
22	B	803	CLA	O2D-CGD-CBD	3.15	116.74	111.23
22	A	828	CLA	C1D-CHD-C4C	-3.15	119.32	126.02
22	6	310	CLA	C4C-C3C-C2C	-3.15	102.30	106.89
22	A	805	CLA	CMC-C2C-C1C	3.15	129.96	125.03
22	A	825	CLA	CMC-C2C-C1C	3.15	129.96	125.03
25	F	201	BCR	C15-C16-C17	3.15	129.97	123.52
22	7	307	CLA	CHC-C1C-C2C	-3.15	117.99	126.95
22	B	814	CLA	C1D-CHD-C4C	-3.15	119.32	126.02
22	3	302	CLA	CAC-C3C-C4C	3.15	128.89	124.79
22	B	815	CLA	C4B-C3B-C2B	-3.15	103.39	107.30
22	2	310	CLA	C1C-C2C-C3C	-3.15	103.67	106.98
25	J	103	BCR	C16-C17-C18	3.15	131.69	127.28
25	L	201	BCR	C34-C9-C8	3.15	122.90	118.09
22	A	809	CLA	C1-O2A-CGA	3.15	124.27	116.65
29	B	851	5X6	C15-C16-C17	-3.15	117.73	126.36
22	B	826	CLA	CHD-C1D-ND	-3.15	120.38	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	L	206	BCR	C16-C15-C14	3.15	129.96	123.52
22	4	305	CLA	CMC-C2C-C1C	3.15	129.95	125.03
22	O	204	CLA	C4B-C3B-C2B	-3.15	103.39	107.30
22	7	306	CLA	C4B-C3B-C2B	-3.15	103.39	107.30
22	5	308	CLA	CHC-C1C-C2C	-3.15	118.01	126.95
22	2	310	CLA	C4C-C3C-C2C	-3.14	102.31	106.89
28	B	845	DGD	C2G-O2G-C1B	-3.14	110.27	117.80
22	1	304	CLA	C4C-C3C-C2C	-3.14	102.32	106.89
22	7	304	CLA	C1C-C2C-C3C	-3.14	103.67	106.98
22	A	836	CLA	C1-O2A-CGA	3.14	124.26	116.65
25	1	301	BCR	C37-C22-C21	-3.14	117.73	122.82
22	B	804	CLA	CHB-C4A-NA	3.14	128.93	124.40
22	5	305	CLA	C4C-C3C-C2C	-3.14	102.32	106.89
22	5	306	CLA	C4C-C3C-C2C	-3.14	102.32	106.89
22	1	308	CLA	CMB-C2B-C1B	3.14	130.20	125.42
31	1	315	RRX	C37-C22-C21	-3.14	117.73	122.82
22	B	809	CLA	CHC-C1C-C2C	-3.14	118.02	126.95
22	A	818	CLA	CHC-C1C-C2C	-3.14	118.02	126.95
22	1	304	CLA	CHC-C1C-C2C	-3.14	118.02	126.95
29	B	851	5X6	C38-C30-C31	-3.14	108.65	114.42
22	A	811	CLA	C1D-CHD-C4C	-3.14	119.35	126.02
22	A	814	CLA	CBC-CAC-C3C	-3.14	103.91	112.42
22	4	304	CLA	C4B-C3B-C2B	-3.14	103.40	107.30
22	1	308	CLA	CHC-C1C-C2C	-3.14	118.03	126.95
29	4	315	5X6	C15-C16-C17	-3.14	117.75	126.36
25	A	843	BCR	C37-C22-C21	-3.14	117.73	122.82
22	7	312	CLA	C4C-C3C-C2C	-3.14	102.32	106.89
29	1	314	5X6	C42-C13-C14	-3.14	117.73	122.82
29	6	317	5X6	C40-C22-C23	-3.14	113.29	118.09
25	A	862	BCR	C34-C9-C8	3.14	122.88	118.09
22	A	817	CLA	C4C-C3C-C2C	-3.14	102.33	106.89
22	A	839	CLA	C1C-C2C-C3C	-3.14	103.68	106.98
22	5	305	CLA	C1C-C2C-C3C	-3.14	103.68	106.98
22	7	311	CLA	C4C-C3C-C2C	-3.14	102.33	106.89
22	A	834	CLA	C1-O2A-CGA	3.14	124.24	116.65
22	A	819	CLA	C1D-CHD-C4C	-3.14	119.35	126.02
22	O	206	CLA	C3C-C4C-NC	3.14	114.45	110.43
22	5	307	CLA	C3C-C4C-NC	3.14	114.45	110.43
22	O	203	CLA	CMC-C2C-C1C	3.13	129.93	125.03
22	5	307	CLA	CMC-C2C-C1C	3.13	129.93	125.03
22	A	810	CLA	O2A-CGA-CBA	3.13	121.39	111.83
22	A	857	CLA	C1D-CHD-C4C	-3.13	119.36	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	837	CLA	CMB-C2B-C1B	3.13	130.19	125.42
22	4	310	CLA	C1D-CHD-C4C	-3.13	119.37	126.02
22	Z	204	CLA	CAC-C3C-C4C	3.13	128.86	124.79
29	7	316	5X6	C27-C28-C29	-3.13	118.64	127.00
22	2	304	CLA	C4B-C3B-C2B	-3.13	103.41	107.30
22	4	307	CLA	CHD-C1D-ND	-3.13	120.40	124.80
29	1	314	5X6	C27-C26-C25	-3.12	114.09	119.01
22	2	305	CLA	CBA-CAA-C2A	3.12	123.09	113.79
22	5	304	CLA	CHC-C1C-C2C	-3.12	118.07	126.95
22	B	801	CLA	C4C-C3C-C2C	-3.12	102.34	106.89
22	B	837	CLA	CHC-C1C-C2C	-3.12	118.07	126.95
22	B	801	CLA	C1-O2A-CGA	3.12	124.21	116.65
22	2	310	CLA	CHC-C1C-C2C	-3.12	118.08	126.95
22	Z	204	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
22	B	806	CLA	C1D-CHD-C4C	-3.12	119.39	126.02
22	6	306	CLA	CHC-C1C-C2C	-3.12	118.09	126.95
22	B	804	CLA	O1D-CGD-CBD	-3.12	118.37	124.52
22	3	304	CLA	C3C-C4C-NC	3.12	114.42	110.43
22	B	807	CLA	CMC-C2C-C1C	3.12	129.90	125.03
22	A	836	CLA	O2A-CGA-O1A	-3.12	115.83	123.63
31	4	317	RRX	C34-C9-C10	-3.11	117.77	122.82
22	5	303	CLA	C4B-C3B-C2B	-3.11	103.43	107.30
29	6	316	5X6	C27-C28-C29	-3.11	118.68	127.00
22	A	805	CLA	C2A-C1A-CHA	-3.11	118.46	123.87
25	B	843	BCR	C37-C22-C21	-3.11	117.78	122.82
22	A	828	CLA	CHC-C1C-C2C	-3.11	118.11	126.95
22	A	848	CLA	CAC-C3C-C4C	3.11	128.84	124.79
22	7	313	CLA	CAC-C3C-C4C	3.11	128.84	124.79
22	A	807	CLA	C1-O2A-CGA	3.11	124.18	116.65
22	4	306	CLA	C4C-C3C-C2C	-3.11	102.36	106.89
22	6	310	CLA	C1C-C2C-C3C	-3.11	103.71	106.98
22	K	101	CLA	C4B-C3B-C2B	-3.11	103.43	107.30
22	5	307	CLA	CAC-C3C-C4C	3.11	128.84	124.79
22	3	304	CLA	C4B-C3B-C2B	-3.11	103.44	107.30
22	2	309	CLA	CHC-C1C-C2C	-3.11	118.11	126.95
22	B	822	CLA	CHC-C1C-C2C	-3.11	118.12	126.95
22	B	810	CLA	CMC-C2C-C1C	3.11	129.89	125.03
22	1	306	CLA	C3C-C4C-NC	3.11	114.41	110.43
22	3	303	CLA	C3C-C4C-NC	3.11	114.41	110.43
22	A	806	CLA	C4C-C3C-C2C	-3.11	102.37	106.89
22	A	821	CLA	C1D-CHD-C4C	-3.11	119.42	126.02
22	2	306	CLA	C3C-C4C-NC	3.11	114.41	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	306	CLA	CAC-C3C-C4C	3.10	128.83	124.79
22	6	306	CLA	C4B-C3B-C2B	-3.10	103.44	107.30
22	7	312	CLA	C4B-C3B-C2B	-3.10	103.44	107.30
22	A	859	CLA	C2A-C1A-CHA	-3.10	118.48	123.87
22	A	812	CLA	C3B-C4B-NB	3.10	113.30	110.53
25	A	844	BCR	C34-C9-C8	3.10	122.83	118.09
25	Z	202	BCR	C37-C22-C21	-3.10	117.79	122.82
22	7	308	CLA	C1C-C2C-C3C	-3.10	103.72	106.98
22	6	313	CLA	C4B-C3B-C2B	-3.10	103.45	107.30
22	B	819	CLA	C1D-CHD-C4C	-3.10	119.43	126.02
25	K	103	BCR	C34-C9-C10	-3.10	117.79	122.82
22	B	829	CLA	O1D-CGD-CBD	-3.10	118.41	124.52
22	B	804	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
22	A	857	CLA	CMC-C2C-C1C	3.10	129.88	125.03
22	A	803	CLA	O2A-CGA-CBA	3.10	121.28	111.83
29	7	317	5X6	C41-C17-C18	-3.10	117.80	122.82
22	A	857	CLA	C4C-C3C-C2C	-3.10	102.38	106.89
22	B	838	CLA	CHC-C1C-C2C	-3.10	118.15	126.95
22	2	308	CLA	C3C-C4C-NC	3.10	114.40	110.43
22	7	307	CLA	C3C-C4C-NC	3.10	114.40	110.43
22	6	314	CLA	C4B-C3B-C2B	-3.10	103.45	107.30
22	A	816	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
22	4	308	CLA	C4B-C3B-C2B	-3.09	103.46	107.30
22	2	303	CLA	C3C-C4C-NC	3.09	114.39	110.43
22	B	836	CLA	CMC-C2C-C1C	3.09	129.87	125.03
22	B	821	CLA	C4C-C3C-C2C	-3.09	102.39	106.89
22	6	304	CLA	C3B-C4B-NB	3.09	113.29	110.53
22	A	808	CLA	CHC-C1C-C2C	-3.09	118.17	126.95
22	1	310	CLA	CMC-C2C-C1C	3.09	129.86	125.03
22	A	858	CLA	C1D-CHD-C4C	-3.09	119.46	126.02
22	B	831	CLA	CAC-C3C-C4C	3.09	128.81	124.79
22	B	836	CLA	CHC-C1C-C2C	-3.09	118.18	126.95
22	7	311	CLA	CHC-C1C-C2C	-3.09	118.18	126.95
22	7	313	CLA	CHC-C1C-C2C	-3.09	118.18	126.95
22	O	204	CLA	CAC-C3C-C4C	3.09	128.80	124.79
22	4	311	CLA	CAC-C3C-C4C	3.09	128.80	124.79
22	4	312	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
22	B	818	CLA	C3B-C4B-NB	3.08	113.28	110.53
22	A	807	CLA	CHC-C1C-C2C	-3.08	118.18	126.95
22	A	828	CLA	C4C-C3C-C2C	-3.08	102.40	106.89
22	2	311	CLA	C4C-C3C-C2C	-3.08	102.40	106.89
22	B	831	CLA	CHC-C1C-C2C	-3.08	118.19	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	7	318	5X6	C39-C26-C25	-3.08	117.82	122.82
22	3	301	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
31	1	315	RRX	C34-C9-C8	3.08	122.80	118.09
25	J	103	BCR	C16-C15-C14	3.08	129.82	123.52
22	A	819	CLA	C4B-C3B-C2B	-3.08	103.47	107.30
22	B	830	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
22	1	307	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
25	A	862	BCR	C34-C9-C10	-3.08	117.83	122.82
29	6	316	5X6	C04-C03-C02	-3.08	118.43	122.64
22	A	820	CLA	C4C-C3C-C2C	-3.08	102.42	106.89
22	A	857	CLA	CBC-CAC-C3C	-3.07	104.08	112.42
25	A	845	BCR	C30-C25-C24	3.07	123.99	115.65
22	6	305	CLA	C4C-C3C-C2C	-3.07	102.42	106.89
22	6	307	CLA	C4B-C3B-C2B	-3.07	103.48	107.30
25	Z	205	BCR	C37-C22-C21	-3.07	117.84	122.82
22	A	811	CLA	C4-C3-C5	3.07	120.56	115.23
22	A	825	CLA	C1C-C2C-C3C	-3.07	103.75	106.98
29	4	313	5X6	C25-C24-C23	-3.07	114.30	123.20
22	B	815	CLA	C4C-C3C-C2C	-3.07	102.42	106.89
22	B	808	CLA	CAA-C2A-C3A	-3.07	104.70	113.00
22	2	309	CLA	C1C-C2C-C3C	-3.07	103.75	106.98
22	6	314	CLA	CHC-C1C-C2C	-3.07	118.23	126.95
22	A	816	CLA	O2A-CGA-CBA	3.07	121.19	111.83
22	7	307	CLA	C4B-C3B-C2B	-3.07	103.49	107.30
22	A	848	CLA	C1C-C2C-C3C	-3.07	103.75	106.98
22	1	310	CLA	C1C-C2C-C3C	-3.07	103.75	106.98
31	5	322	RRX	C37-C22-C21	-3.07	117.85	122.82
22	4	308	CLA	O2A-CGA-CBA	3.07	121.19	111.83
22	5	310	CLA	O2A-CGA-CBA	3.07	121.19	111.83
22	7	306	CLA	C1C-C2C-C3C	-3.07	103.75	106.98
29	2	313	5X6	C38-C30-C31	-3.07	108.78	114.42
22	5	307	CLA	CHC-C1C-C2C	-3.07	118.23	126.95
22	B	819	CLA	O2D-CGD-CBD	3.06	116.59	111.23
22	A	831	CLA	O2D-CGD-O1D	-3.06	117.88	123.85
22	A	835	CLA	C4B-C3B-C2B	-3.06	103.49	107.30
22	A	839	CLA	C4-C3-C5	3.06	120.54	115.23
22	B	815	CLA	CBC-CAC-C3C	-3.06	104.12	112.42
22	1	310	CLA	C4B-C3B-C2B	-3.06	103.50	107.30
22	6	311	CLA	C4B-C3B-C2B	-3.06	103.50	107.30
22	6	309	CLA	C4C-C3C-C2C	-3.06	102.44	106.89
22	B	814	CLA	C4B-C3B-C2B	-3.06	103.50	107.30
22	A	859	CLA	C6-C7-C8	-3.06	105.80	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	838	CLA	C1D-CHD-C4C	-3.06	119.52	126.02
22	A	819	CLA	C1-O2A-CGA	3.06	124.06	116.65
25	L	201	BCR	C34-C9-C10	-3.06	117.86	122.82
22	6	305	CLA	CMC-C2C-C1C	3.06	129.81	125.03
22	A	810	CLA	C1C-C2C-C3C	-3.06	103.76	106.98
22	A	823	CLA	C1C-C2C-C3C	-3.06	103.76	106.98
31	5	322	RRX	C37-C22-C23	3.06	122.76	118.09
22	B	829	CLA	C4C-C3C-C2C	-3.06	102.44	106.89
22	4	302	CLA	C4C-C3C-C2C	-3.06	102.44	106.89
29	J	104	5X6	C01-C02-C07	-3.06	108.80	114.42
22	B	823	CLA	CMB-C2B-C1B	3.06	130.07	125.42
29	O	207	5X6	C41-C17-C16	-3.06	113.42	118.09
22	A	837	CLA	CHC-C1C-C2C	-3.06	118.26	126.95
29	2	314	5X6	C11-C03-C02	-3.06	114.52	121.56
22	A	835	CLA	CHC-C1C-C2C	-3.06	118.27	126.95
22	B	850	CLA	C3B-C4B-NB	3.05	113.26	110.53
29	1	316	5X6	C01-C02-C07	-3.05	108.80	114.42
22	B	801	CLA	CAC-C3C-C4C	3.05	128.76	124.79
25	5	315	BCR	C15-C16-C17	3.05	129.76	123.52
22	J	102	CLA	C3C-C4C-NC	3.05	114.34	110.43
22	5	304	CLA	C3C-C4C-NC	3.05	114.34	110.43
22	O	204	CLA	C4C-C3C-C2C	-3.05	102.45	106.89
22	B	825	CLA	C1-O2A-CGA	3.05	124.04	116.65
31	6	318	RRX	C37-C22-C21	-3.05	117.87	122.82
22	L	203	CLA	CAC-C3C-C4C	3.05	128.76	124.79
22	2	302	CLA	C4C-C3C-C2C	-3.05	102.45	106.89
22	4	303	CLA	C2C-C1C-NC	3.05	113.19	109.98
22	B	803	CLA	CHC-C1C-C2C	-3.05	118.28	126.95
22	L	203	CLA	C4C-C3C-C2C	-3.05	102.45	106.89
22	5	302	CLA	C4C-C3C-C2C	-3.05	102.45	106.89
25	K	103	BCR	C12-C13-C14	3.05	123.81	119.01
22	A	803	CLA	C4A-NA-C1A	-3.05	105.29	106.68
22	3	302	CLA	CHC-C1C-C2C	-3.05	118.29	126.95
25	5	315	BCR	C34-C9-C10	-3.05	117.88	122.82
22	4	302	CLA	CHC-C1C-C2C	-3.05	118.29	126.95
22	B	828	CLA	C4C-C3C-C2C	-3.05	102.46	106.89
22	2	302	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
22	4	312	CLA	CHC-C1C-C2C	-3.04	118.30	126.95
22	1	308	CLA	CAC-C3C-C4C	3.04	128.75	124.79
29	M	101	5X6	C39-C26-C27	-3.04	113.44	118.09
22	7	309	CLA	O2A-CGA-CBA	3.04	121.11	111.83
22	A	823	CLA	CHC-C1C-C2C	-3.04	118.30	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	832	CLA	C2A-C1A-CHA	-3.04	118.59	123.87
22	A	804	CLA	CHD-C1D-ND	-3.04	120.52	124.80
22	2	307	CLA	C4B-C3B-C2B	-3.04	103.52	107.30
22	B	833	CLA	CAC-C3C-C4C	3.04	128.75	124.79
22	A	822	CLA	CMC-C2C-C1C	3.04	129.78	125.03
22	B	821	CLA	CMC-C2C-C1C	3.04	129.78	125.03
22	3	304	CLA	CHC-C1C-C2C	-3.04	118.31	126.95
22	6	308	CLA	CBC-CAC-C3C	-3.04	104.18	112.42
22	1	310	CLA	C2A-C1A-CHA	-3.04	118.59	123.87
22	4	310	CLA	C4C-C3C-C2C	-3.04	102.47	106.89
22	B	813	CLA	C1C-C2C-C3C	-3.04	103.78	106.98
22	A	839	CLA	C2A-C1A-CHA	-3.04	118.59	123.87
22	A	822	CLA	C1D-CHD-C4C	-3.04	119.56	126.02
22	B	815	CLA	O2A-CGA-CBA	3.04	121.09	111.83
22	B	836	CLA	C4A-NA-C1A	-3.04	105.29	106.68
22	O	204	CLA	CAA-C2A-C3A	-3.04	109.27	116.23
22	5	303	CLA	C4C-C3C-C2C	-3.03	102.47	106.89
22	A	805	CLA	CHC-C1C-C2C	-3.03	118.33	126.95
22	4	303	CLA	O2A-CGA-CBA	3.03	121.08	111.83
22	A	806	CLA	CHC-C1C-C2C	-3.03	118.33	126.95
22	A	848	CLA	CHC-C1C-C2C	-3.03	118.33	126.95
22	4	304	CLA	O2D-CGD-O1D	-3.03	117.94	123.85
22	1	307	CLA	CHC-C1C-C2C	-3.03	118.33	126.95
29	2	313	5X6	C24-C23-C22	-3.03	118.05	126.36
22	A	830	CLA	CHC-C1C-C2C	-3.03	118.33	126.95
22	F	204	CLA	C4B-C3B-C2B	-3.03	103.53	107.30
22	B	827	CLA	C4A-NA-C1A	-3.03	105.30	106.68
22	B	824	CLA	C1C-C2C-C3C	-3.03	103.79	106.98
22	2	306	CLA	C4C-C3C-C2C	-3.03	102.48	106.89
22	4	312	CLA	C4B-C3B-C2B	-3.03	103.54	107.30
22	A	839	CLA	C1D-CHD-C4C	-3.03	119.58	126.02
22	O	204	CLA	CHC-C1C-C2C	-3.03	118.35	126.95
22	A	833	CLA	C3B-C4B-NB	3.03	113.23	110.53
29	7	314	5X6	C12-C11-C03	-3.03	118.92	127.00
22	6	304	CLA	CAC-C3C-C4C	3.03	128.73	124.79
25	A	846	BCR	C34-C9-C8	3.02	122.71	118.09
25	F	207	BCR	C35-C13-C14	-3.02	117.92	122.82
22	1	305	CLA	C4B-C3B-C2B	-3.02	103.54	107.30
22	A	821	CLA	CMC-C2C-C1C	3.02	129.76	125.03
22	4	307	CLA	CHC-C1C-C2C	-3.02	118.36	126.95
22	B	808	CLA	CMB-C2B-C1B	3.02	130.02	125.42
22	2	308	CLA	C4B-C3B-C2B	-3.02	103.54	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	7	304	CLA	CAC-C3C-C4C	3.02	128.72	124.79
22	O	203	CLA	CHC-C1C-C2C	-3.02	118.36	126.95
22	B	829	CLA	C1D-CHD-C4C	-3.02	119.60	126.02
22	Z	201	CLA	C4C-C3C-C2C	-3.02	102.50	106.89
31	6	318	RRX	C34-C9-C10	-3.02	117.92	122.82
22	5	303	CLA	C1-O2A-CGA	3.02	123.96	116.65
22	A	821	CLA	CHC-C1C-C2C	-3.02	118.37	126.95
22	A	836	CLA	C4B-C3B-C2B	-3.02	103.55	107.30
25	B	844	BCR	C37-C22-C21	-3.02	117.93	122.82
22	3	305	CLA	C4C-C3C-C2C	-3.02	102.50	106.89
25	F	207	BCR	C16-C15-C14	3.02	129.69	123.52
22	6	305	CLA	CHC-C1C-C2C	-3.02	118.38	126.95
29	5	312	5X6	C41-C17-C18	-3.02	117.93	122.82
29	7	317	5X6	C24-C23-C22	-3.01	118.10	126.36
22	B	806	CLA	C1C-C2C-C3C	-3.01	103.81	106.98
29	7	314	5X6	C27-C28-C29	-3.01	118.95	127.00
22	7	305	CLA	CHC-C1C-C2C	-3.01	118.39	126.95
22	1	306	CLA	CHB-C4A-NA	3.01	128.75	124.40
22	A	813	CLA	CHC-C1C-C2C	-3.01	118.39	126.95
22	B	801	CLA	C4-C3-C5	3.01	120.46	115.23
22	1	303	CLA	C4C-C3C-C2C	-3.01	102.51	106.89
22	5	302	CLA	C2A-C1A-CHA	-3.01	118.64	123.87
29	3	306	5X6	C40-C22-C21	-3.01	117.94	122.82
22	A	857	CLA	CAA-C2A-C3A	-3.01	104.87	113.00
22	1	309	CLA	C1D-CHD-C4C	-3.01	119.63	126.02
22	B	820	CLA	C4B-C3B-C2B	-3.01	103.56	107.30
22	B	807	CLA	C1D-CHD-C4C	-3.01	119.63	126.02
22	A	838	CLA	C4-C3-C2	-3.01	115.90	123.63
22	B	806	CLA	C4-C3-C2	-3.01	115.91	123.63
22	3	301	CLA	C4B-C3B-C2B	-3.01	103.56	107.30
22	2	303	CLA	CHC-C1C-C2C	-3.01	118.41	126.95
22	5	309	CLA	C1C-C2C-C3C	-3.01	103.82	106.98
22	7	308	CLA	C4C-C3C-C2C	-3.01	102.52	106.89
22	A	809	CLA	CAC-C3C-C4C	3.01	128.70	124.79
22	B	817	CLA	CMC-C2C-C1C	3.01	129.73	125.03
22	F	205	CLA	CHC-C1C-C2C	-3.00	118.41	126.95
22	5	306	CLA	CHC-C1C-C2C	-3.00	118.41	126.95
22	B	824	CLA	C4A-NA-C1A	-3.00	105.31	106.68
22	A	817	CLA	O2D-CGD-O1D	-3.00	118.00	123.85
22	B	816	CLA	CMC-C2C-C1C	3.00	129.72	125.03
22	7	306	CLA	C3C-C4C-NC	3.00	114.27	110.43
22	B	820	CLA	CAC-C3C-C4C	3.00	128.69	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	Z	204	CLA	CHC-C1C-C2C	-3.00	118.42	126.95
22	B	803	CLA	O2A-CGA-CBA	3.00	120.98	111.83
22	B	817	CLA	C1C-C2C-C3C	-3.00	103.83	106.98
22	A	838	CLA	O2A-CGA-CBA	3.00	120.98	111.83
29	2	314	5X6	C14-C15-C16	-3.00	114.52	123.20
22	5	310	CLA	CHC-C1C-C2C	-3.00	118.43	126.95
25	K	103	BCR	C36-C18-C17	-3.00	117.96	122.82
22	B	803	CLA	C1-C2-C3	-3.00	121.29	126.20
22	B	850	CLA	CMC-C2C-C1C	3.00	129.72	125.03
22	B	824	CLA	CHC-C1C-C2C	-3.00	118.43	126.95
22	L	205	CLA	C1C-C2C-C3C	-2.99	103.83	106.98
25	F	201	BCR	C37-C22-C23	2.99	122.66	118.09
22	K	102	CLA	C3B-C4B-NB	2.99	113.20	110.53
22	2	305	CLA	C2A-C1A-CHA	-2.99	118.67	123.87
25	J	103	BCR	C34-C9-C10	-2.99	117.97	122.82
22	A	833	CLA	CHC-C1C-C2C	-2.99	118.44	126.95
25	F	207	BCR	C37-C22-C21	-2.99	117.97	122.82
25	A	861	BCR	C34-C9-C10	-2.99	117.97	122.82
22	B	824	CLA	C1-O2A-CGA	2.99	123.89	116.65
22	A	810	CLA	CHC-C1C-C2C	-2.99	118.45	126.95
22	A	807	CLA	CHD-C1D-ND	-2.99	120.60	124.80
22	B	803	CLA	C7-C6-C5	-2.99	105.30	113.26
29	1	313	5X6	C40-C22-C23	-2.99	113.52	118.09
25	A	861	BCR	C16-C15-C14	2.99	129.63	123.52
25	B	842	BCR	C37-C22-C21	-2.99	117.98	122.82
22	L	204	CLA	C4B-C3B-C2B	-2.99	103.59	107.30
22	Z	204	CLA	C4B-C3B-C2B	-2.99	103.59	107.30
22	A	820	CLA	CMC-C2C-C1C	2.99	129.70	125.03
22	4	309	CLA	CHC-C1C-C2C	-2.99	118.46	126.95
22	Z	204	CLA	C4A-NA-C1A	-2.99	105.32	106.68
22	5	306	CLA	C4A-NA-C1A	-2.99	105.32	106.68
22	7	305	CLA	C3B-C4B-NB	2.99	113.19	110.53
22	Z	204	CLA	O2A-CGA-O1A	-2.98	116.16	123.63
29	3	306	5X6	C38-C30-C31	-2.98	108.93	114.42
22	A	848	CLA	O2A-CGA-O1A	-2.98	116.17	123.63
22	2	303	CLA	CMC-C2C-C1C	2.98	129.70	125.03
29	5	313	5X6	C14-C15-C16	-2.98	114.56	123.20
22	7	306	CLA	C4C-C3C-C2C	-2.98	102.55	106.89
22	B	806	CLA	CHC-C1C-C2C	-2.98	118.47	126.95
22	4	305	CLA	CHC-C1C-C2C	-2.98	118.47	126.95
22	O	205	CLA	CAC-C3C-C4C	2.98	128.67	124.79
22	2	307	CLA	CMC-C2C-C1C	2.98	129.69	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	802	CLA	CMC-C2C-C1C	2.98	129.69	125.03
22	B	826	CLA	C3B-C4B-NB	2.98	113.19	110.53
25	I	102	BCR	C34-C9-C10	-2.98	117.99	122.82
22	7	309	CLA	C1C-C2C-C3C	-2.98	103.85	106.98
22	5	301	CLA	C4C-C3C-C2C	-2.98	102.56	106.89
22	A	837	CLA	CMC-C2C-C1C	2.98	129.68	125.03
22	1	305	CLA	C4C-C3C-C2C	-2.98	102.56	106.89
22	B	812	CLA	C4B-C3B-C2B	-2.97	103.60	107.30
25	B	842	BCR	C1-C6-C5	-2.97	118.57	122.64
29	O	207	5X6	C11-C03-C02	-2.97	114.70	121.56
22	A	818	CLA	CBC-CAC-C3C	-2.97	104.36	112.42
25	A	845	BCR	C37-C22-C21	-2.97	118.00	122.82
22	O	205	CLA	CHC-C1C-C2C	-2.97	118.50	126.95
22	7	303	CLA	C4B-C3B-C2B	-2.97	103.61	107.30
25	4	316	BCR	C34-C9-C8	2.97	122.63	118.09
22	7	306	CLA	CBA-CAA-C2A	2.97	122.63	113.79
22	B	818	CLA	C4C-C3C-C2C	-2.97	102.57	106.89
22	J	102	CLA	C4C-C3C-C2C	-2.97	102.57	106.89
22	2	311	CLA	CHC-C1C-C2C	-2.97	118.51	126.95
22	B	849	CLA	CMC-C2C-C1C	2.97	129.68	125.03
22	B	828	CLA	CHC-C1C-C2C	-2.97	118.51	126.95
22	4	312	CLA	C4C-C3C-C2C	-2.97	102.57	106.89
22	A	832	CLA	CHC-C1C-C2C	-2.97	118.51	126.95
22	A	822	CLA	C4B-C3B-C2B	-2.97	103.61	107.30
22	A	808	CLA	C4C-C3C-C2C	-2.97	102.57	106.89
22	A	833	CLA	C4C-C3C-C2C	-2.97	102.57	106.89
22	6	306	CLA	C2A-C1A-CHA	-2.97	118.72	123.87
22	5	304	CLA	CBA-CAA-C2A	2.96	122.61	113.79
29	4	314	5X6	C25-C24-C23	-2.96	114.61	123.20
22	B	821	CLA	C1C-C2C-C3C	-2.96	103.86	106.98
29	O	208	5X6	C40-C22-C23	-2.96	113.56	118.09
22	B	833	CLA	CHC-C1C-C2C	-2.96	118.53	126.95
22	2	305	CLA	CHC-C1C-C2C	-2.96	118.53	126.95
22	3	303	CLA	C3B-C4B-NB	2.96	113.17	110.53
22	O	205	CLA	C4C-C3C-C2C	-2.96	102.58	106.89
22	1	303	CLA	C3C-C4C-NC	2.96	114.22	110.43
22	6	313	CLA	CMC-C2C-C1C	2.96	129.66	125.03
22	7	309	CLA	C4C-C3C-C2C	-2.96	102.58	106.89
22	B	822	CLA	C4A-NA-C1A	-2.96	105.33	106.68
22	B	802	CLA	O2A-CGA-CBA	2.96	120.86	111.83
22	B	826	CLA	C2A-C1A-CHA	-2.96	118.73	123.87
23	B	840	A1L64	O3-C3-C4	2.96	134.84	123.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	803	CLA	CMC-C2C-C1C	2.96	129.66	125.03
29	4	315	5X6	C12-C13-C14	-2.96	114.36	119.01
22	A	823	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
22	5	307	CLA	CHD-C4C-NC	2.96	128.82	124.23
22	B	811	CLA	C2A-C1A-CHA	-2.96	118.74	123.87
29	3	306	5X6	C24-C23-C22	-2.96	118.26	126.36
22	A	830	CLA	C4B-C3B-C2B	-2.95	103.63	107.30
22	7	313	CLA	C4C-C3C-C2C	-2.95	102.59	106.89
22	A	818	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
22	A	812	CLA	CHC-C1C-C2C	-2.95	118.56	126.95
22	7	312	CLA	C1C-C2C-C3C	-2.95	103.88	106.98
22	B	835	CLA	C4-C3-C5	2.95	120.35	115.23
22	A	822	CLA	C1-O2A-CGA	2.95	123.80	116.65
22	B	808	CLA	C4B-C3B-C2B	-2.95	103.63	107.30
22	B	839	CLA	C4C-C3C-C2C	-2.95	102.60	106.89
29	Z	206	5X6	C15-C16-C17	-2.95	118.27	126.36
22	B	849	CLA	C4C-C3C-C2C	-2.95	102.60	106.89
29	6	316	5X6	C14-C15-C16	-2.95	114.65	123.20
22	2	311	CLA	C4B-C3B-C2B	-2.95	103.63	107.30
22	6	304	CLA	C4C-C3C-C2C	-2.95	102.60	106.89
22	B	830	CLA	C1D-CHD-C4C	-2.95	119.75	126.02
22	A	823	CLA	CHD-C1D-ND	-2.95	120.66	124.80
22	A	803	CLA	C4C-C3C-C2C	-2.95	102.60	106.89
22	6	308	CLA	C3C-C4C-NC	2.95	114.20	110.43
22	B	849	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
22	B	849	CLA	CHC-C1C-C2C	-2.94	118.58	126.95
22	A	802	CLA	C3B-C4B-NB	2.94	113.16	110.53
22	A	820	CLA	CHC-C1C-C2C	-2.94	118.58	126.95
25	F	201	BCR	C37-C22-C21	-2.94	118.05	122.82
22	B	804	CLA	C4-C3-C5	2.94	120.34	115.23
22	A	834	CLA	C4C-C3C-C2C	-2.94	102.61	106.89
22	A	826	CLA	C4B-C3B-C2B	-2.94	103.64	107.30
29	2	312	5X6	C01-C02-C07	-2.94	109.01	114.42
22	B	809	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
22	A	807	CLA	C4A-NA-C1A	-2.94	105.34	106.68
22	2	305	CLA	C4C-C3C-C2C	-2.94	102.61	106.89
22	A	815	CLA	CMC-C2C-C1C	2.94	129.63	125.03
22	A	818	CLA	C4C-C3C-C2C	-2.94	102.61	106.89
22	5	301	CLA	CMC-C2C-C1C	2.94	129.63	125.03
22	B	810	CLA	C4B-C3B-C2B	-2.94	103.65	107.30
29	1	316	5X6	C12-C13-C14	-2.94	114.39	119.01
22	3	302	CLA	C4C-C3C-C2C	-2.94	102.62	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	1	311	5X6	C14-C15-C16	-2.94	114.69	123.20
22	B	830	CLA	CMC-C2C-C1C	2.94	129.62	125.03
22	K	101	CLA	CHC-C1C-C2C	-2.94	118.60	126.95
22	7	307	CLA	C4C-C3C-C2C	-2.94	102.62	106.89
22	A	830	CLA	C4A-NA-C1A	-2.93	105.34	106.68
22	B	834	CLA	CHC-C1C-C2C	-2.93	118.61	126.95
29	J	104	5X6	C38-C30-C31	-2.93	109.03	114.42
29	M	101	5X6	C01-C02-C07	-2.93	109.03	114.42
22	A	802	CLA	C4B-C3B-C2B	-2.93	103.65	107.30
22	B	815	CLA	CHC-C1C-C2C	-2.93	118.61	126.95
22	A	824	CLA	CAA-C2A-C3A	-2.93	105.08	113.00
29	O	207	5X6	C28-C29-C30	-2.93	114.80	121.56
22	O	206	CLA	C4B-C3B-C2B	-2.93	103.66	107.30
25	B	843	BCR	C34-C9-C10	-2.93	118.07	122.82
29	1	314	5X6	C01-C02-C07	-2.93	109.03	114.42
25	1	301	BCR	C37-C22-C23	2.93	122.56	118.09
22	A	834	CLA	CMC-C2C-C1C	2.93	129.61	125.03
25	A	846	BCR	C36-C18-C17	-2.93	118.07	122.82
22	B	825	CLA	C1D-CHD-C4C	-2.93	119.80	126.02
22	2	307	CLA	CAC-C3C-C4C	2.93	128.60	124.79
22	2	307	CLA	C3C-C4C-NC	2.93	114.18	110.43
22	A	830	CLA	C4C-C3C-C2C	-2.93	102.63	106.89
22	B	839	CLA	O1D-CGD-CBD	-2.93	118.75	124.52
22	A	807	CLA	CMC-C2C-C1C	2.93	129.61	125.03
22	6	308	CLA	CMC-C2C-C1C	2.93	129.61	125.03
22	F	206	CLA	C2A-C1A-NA	2.92	117.38	110.21
22	A	818	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
22	B	804	CLA	C4-C3-C2	-2.92	116.12	123.63
22	4	305	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
22	B	801	CLA	C4B-C3B-C2B	-2.92	103.67	107.30
22	2	304	CLA	O2A-CGA-CBA	2.92	120.75	111.83
22	4	308	CLA	CHD-C4C-NC	2.92	128.76	124.23
29	6	316	5X6	C25-C24-C23	-2.92	114.73	123.20
22	6	307	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
22	6	304	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
22	6	311	CLA	CAC-C3C-C2C	2.92	132.92	127.56
31	5	322	RRX	C34-C9-C10	-2.92	118.09	122.82
22	Z	201	CLA	C4A-NA-C1A	-2.92	105.35	106.68
22	B	803	CLA	C20-C18-C19	2.92	123.55	110.53
22	B	820	CLA	C4C-C3C-C2C	-2.92	102.65	106.89
22	Z	204	CLA	C1-C2-C3	-2.92	121.42	126.20
22	7	304	CLA	CHD-C4C-NC	2.92	128.75	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	830	CLA	CHC-C1C-C2C	-2.92	118.66	126.95
29	B	851	5X6	C42-C13-C14	-2.92	118.09	122.82
22	7	309	CLA	CAC-C3C-C4C	2.92	128.58	124.79
22	O	203	CLA	C4C-C3C-C2C	-2.91	102.65	106.89
22	B	825	CLA	CMC-C2C-C1C	2.91	129.59	125.03
22	A	811	CLA	C4B-C3B-C2B	-2.91	103.68	107.30
22	5	301	CLA	CBC-CAC-C3C	-2.91	104.52	112.42
22	B	801	CLA	CMA-C3A-C2A	-2.91	102.72	113.98
29	1	313	5X6	C28-C29-C30	-2.91	114.85	121.56
29	3	306	5X6	C25-C24-C23	-2.91	114.77	123.20
22	B	820	CLA	CHC-C1C-C2C	-2.91	118.68	126.95
29	4	313	5X6	C41-C17-C16	-2.91	113.64	118.09
22	A	812	CLA	C1-O2A-CGA	2.91	123.69	116.65
22	B	828	CLA	CHB-C4A-NA	2.91	128.60	124.40
22	B	803	CLA	C4B-C3B-C2B	-2.91	103.69	107.30
22	B	808	CLA	O2A-CGA-CBA	2.91	120.70	111.83
22	B	836	CLA	C3B-C4B-NB	2.91	113.13	110.53
22	4	310	CLA	C3B-C4B-NB	2.91	113.13	110.53
25	A	844	BCR	C24-C23-C22	2.91	130.54	126.23
22	B	830	CLA	C4-C3-C5	2.91	120.28	115.23
22	2	306	CLA	C3B-C4B-NB	2.91	113.12	110.53
22	B	826	CLA	C4A-NA-C1A	-2.91	105.35	106.68
22	L	204	CLA	CMC-C2C-C1C	2.91	129.57	125.03
22	A	848	CLA	C3B-C4B-NB	2.91	113.12	110.53
22	1	302	CLA	C3C-C4C-NC	2.91	114.15	110.43
22	7	311	CLA	C2A-C1A-NA	2.90	117.33	110.21
29	1	311	5X6	C25-C24-C23	-2.90	114.79	123.20
22	A	830	CLA	CBC-CAC-C3C	-2.90	104.55	112.42
22	B	828	CLA	C1D-CHD-C4C	-2.90	119.85	126.02
22	B	850	CLA	C3C-C4C-NC	2.90	114.15	110.43
22	A	814	CLA	C3B-C2B-C1B	-2.90	103.75	107.17
22	B	824	CLA	CMC-C2C-C1C	2.90	129.57	125.03
22	O	203	CLA	CAC-C3C-C4C	2.90	128.56	124.79
22	5	302	CLA	O2A-CGA-CBA	2.90	120.68	111.83
22	B	814	CLA	CHC-C1C-C2C	-2.90	118.71	126.95
22	B	829	CLA	CHC-C1C-C2C	-2.90	118.71	126.95
25	1	301	BCR	C34-C9-C8	2.90	122.51	118.09
22	B	837	CLA	C3B-C4B-NB	2.90	113.12	110.53
22	6	306	CLA	CBA-CAA-C2A	2.90	122.41	113.79
29	2	314	5X6	C40-C22-C23	-2.90	113.66	118.09
22	B	814	CLA	CMC-C2C-C1C	2.90	129.56	125.03
22	A	830	CLA	C2A-C1A-CHA	-2.89	118.84	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	307	CLA	CMB-C2B-C1B	2.89	129.83	125.42
22	7	306	CLA	CHC-C1C-C2C	-2.89	118.72	126.95
22	1	308	CLA	C4C-C3C-C2C	-2.89	102.68	106.89
22	B	821	CLA	O2A-CGA-CBA	2.89	123.07	112.14
22	A	803	CLA	CMC-C2C-C1C	2.89	129.56	125.03
22	O	206	CLA	CED-O2D-CGD	2.89	122.48	115.92
22	B	826	CLA	C4B-C3B-C2B	-2.89	103.71	107.30
22	6	309	CLA	CMC-C2C-C1C	2.89	129.55	125.03
29	B	851	5X6	C11-C03-C02	-2.89	114.89	121.56
22	A	807	CLA	O2A-CGA-O1A	-2.89	116.40	123.63
22	3	301	CLA	O2A-CGA-CBA	2.89	120.65	111.83
22	A	824	CLA	CAC-C3C-C4C	2.89	128.55	124.79
22	7	307	CLA	CMC-C2C-C1C	2.89	129.55	125.03
22	Z	201	CLA	CBA-CAA-C2A	2.89	122.39	113.79
22	Z	201	CLA	CAC-C3C-C4C	2.89	128.55	124.79
29	7	316	5X6	C27-C26-C25	-2.89	114.47	119.01
22	B	810	CLA	CHB-C4A-NA	2.89	128.57	124.40
22	A	810	CLA	C1-O2A-CGA	2.89	123.64	116.65
22	A	828	CLA	C2A-C1A-CHA	-2.89	118.86	123.87
22	F	206	CLA	CAA-C2A-C3A	-2.89	109.61	116.23
22	B	812	CLA	O2A-CGA-CBA	2.89	120.63	111.83
22	A	827	CLA	CBC-CAC-C3C	-2.89	104.60	112.42
22	B	812	CLA	CHC-C1C-C2C	-2.89	118.75	126.95
22	Z	201	CLA	CMC-C2C-C1C	2.88	129.54	125.03
22	A	817	CLA	C1D-CHD-C4C	-2.88	119.89	126.02
22	7	310	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
22	A	836	CLA	C2A-C1A-CHA	-2.88	118.86	123.87
22	B	803	CLA	CMA-C3A-C2A	-2.88	102.83	113.98
22	6	313	CLA	C1C-C2C-C3C	-2.88	103.95	106.98
22	7	304	CLA	O2A-CGA-CBA	2.88	120.62	111.83
22	A	859	CLA	O1D-CGD-CBD	-2.88	118.84	124.52
22	B	834	CLA	O2A-CGA-CBA	2.88	120.61	111.83
22	B	811	CLA	C3C-C4C-NC	2.88	114.12	110.43
22	A	810	CLA	CMB-C2B-C3B	2.88	133.32	126.55
22	3	303	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
22	B	833	CLA	CMC-C2C-C1C	2.88	129.53	125.03
22	F	206	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
22	B	826	CLA	CHC-C1C-C2C	-2.88	118.78	126.95
22	A	815	CLA	C1-O2A-CGA	2.88	123.61	116.65
22	O	205	CLA	CMC-C2C-C1C	2.88	129.53	125.03
22	A	811	CLA	CHC-C1C-C2C	-2.87	118.78	126.95
22	7	308	CLA	CAA-C2A-C3A	-2.87	105.23	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	303	CLA	CAC-C3C-C4C	2.87	128.53	124.79
22	6	310	CLA	CMC-C2C-C1C	2.87	129.53	125.03
22	A	815	CLA	CHC-C1C-C2C	-2.87	118.78	126.95
22	2	309	CLA	CAA-C2A-C3A	-2.87	109.64	116.23
22	A	817	CLA	CHC-C1C-C2C	-2.87	118.78	126.95
22	Z	201	CLA	CHC-C1C-C2C	-2.87	118.78	126.95
22	B	801	CLA	CHC-C1C-C2C	-2.87	118.78	126.95
22	A	824	CLA	C1C-C2C-C3C	-2.87	103.96	106.98
22	A	859	CLA	C4C-C3C-C2C	-2.87	102.71	106.89
25	2	301	BCR	C34-C9-C8	2.87	122.48	118.09
22	7	309	CLA	CHB-C1B-C2B	-2.87	119.09	127.43
22	4	303	CLA	CHD-C4C-NC	2.87	128.68	124.23
22	A	803	CLA	CAA-C2A-C1A	-2.87	102.56	111.97
22	4	309	CLA	C1-O2A-CGA	2.87	123.60	116.65
22	A	818	CLA	CAC-C3C-C4C	2.87	128.53	124.79
29	4	315	5X6	C11-C03-C02	-2.87	114.94	121.56
22	B	815	CLA	C2A-C1A-CHA	-2.87	118.89	123.87
22	4	304	CLA	C4-C3-C5	2.87	120.21	115.23
22	6	307	CLA	CHB-C4A-NA	2.87	128.54	124.40
22	A	809	CLA	C4-C3-C5	2.87	120.21	115.23
22	A	830	CLA	CMC-C2C-C1C	2.87	129.52	125.03
22	A	848	CLA	C4B-C3B-C2B	-2.87	103.74	107.30
22	4	303	CLA	C2A-C1A-CHA	-2.87	118.89	123.87
22	A	803	CLA	C2A-C1A-CHA	-2.87	118.89	123.87
25	A	844	BCR	C37-C22-C21	-2.87	118.17	122.82
29	6	317	5X6	C41-C17-C16	-2.87	113.71	118.09
22	5	304	CLA	CMC-C2C-C1C	2.87	129.51	125.03
22	B	816	CLA	CHC-C1C-C2C	-2.87	118.81	126.95
22	B	825	CLA	CHB-C4A-NA	2.86	128.53	124.40
29	7	314	5X6	C16-C17-C18	-2.86	114.51	119.01
29	7	314	5X6	C27-C26-C25	-2.86	114.51	119.01
22	B	827	CLA	CHC-C1C-C2C	-2.86	118.81	126.95
22	B	804	CLA	CHC-C1C-C2C	-2.86	118.82	126.95
22	B	803	CLA	CHB-C4A-NA	2.86	128.53	124.40
22	4	304	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
29	1	311	5X6	C39-C26-C27	-2.86	113.72	118.09
25	F	207	BCR	C34-C9-C10	-2.86	118.19	122.82
21	A	801	CL0	C1-O2A-CGA	2.86	123.57	116.65
25	K	103	BCR	C35-C13-C14	-2.86	118.19	122.82
22	7	308	CLA	CHC-C1C-C2C	-2.86	118.83	126.95
22	A	812	CLA	C4B-C3B-C2B	-2.86	103.75	107.30
22	6	306	CLA	CBC-CAC-C3C	-2.86	104.68	112.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	303	CLA	CHC-C1C-C2C	-2.85	118.83	126.95
22	7	309	CLA	C4B-C3B-C2B	-2.85	103.75	107.30
22	4	308	CLA	CAA-C2A-C3A	-2.85	105.29	113.00
22	A	809	CLA	CMC-C2C-C1C	2.85	129.49	125.03
22	B	834	CLA	C1C-C2C-C3C	-2.85	103.98	106.98
22	2	302	CLA	C3B-C4B-NB	2.85	113.08	110.53
25	L	206	BCR	C37-C22-C23	2.85	122.44	118.09
22	6	303	CLA	C3B-C4B-NB	2.85	113.08	110.53
22	A	835	CLA	CMC-C2C-C1C	2.85	129.49	125.03
22	B	805	CLA	CHC-C1C-C2C	-2.85	118.85	126.95
22	7	303	CLA	C3C-C4C-NC	2.85	114.08	110.43
22	6	304	CLA	O2A-CGA-CBA	2.85	120.53	111.83
22	2	305	CLA	C1-O2A-CGA	2.85	123.55	116.65
22	A	820	CLA	CAC-C3C-C4C	2.85	128.50	124.79
22	6	311	CLA	CHC-C1C-C2C	-2.85	118.85	126.95
22	3	301	CLA	C2A-C1A-CHA	-2.85	118.92	123.87
22	2	307	CLA	CHC-C1C-C2C	-2.85	118.86	126.95
29	5	313	5X6	C25-C24-C23	-2.85	114.96	123.20
22	6	309	CLA	CHC-C1C-C2C	-2.84	118.86	126.95
29	1	312	5X6	C36-C34-C29	2.84	114.70	110.24
22	4	309	CLA	CMC-C2C-C1C	2.84	129.48	125.03
25	B	843	BCR	C37-C22-C23	2.84	122.43	118.09
29	5	312	5X6	C41-C17-C16	-2.84	113.74	118.09
22	7	305	CLA	CMB-C2B-C3B	2.84	133.24	126.55
22	B	812	CLA	C4-C3-C2	-2.84	116.33	123.63
22	4	310	CLA	C1C-C2C-C3C	-2.84	103.99	106.98
22	5	311	CLA	C4C-C3C-C2C	-2.84	102.75	106.89
22	B	818	CLA	O2A-CGA-CBA	2.84	120.50	111.83
22	B	828	CLA	CBC-CAC-C3C	-2.84	104.72	112.42
22	6	310	CLA	CHC-C1C-C2C	-2.84	118.88	126.95
22	A	835	CLA	C1-O2A-CGA	2.84	123.52	116.65
22	A	817	CLA	CAA-C2A-C3A	-2.84	105.33	113.00
22	B	803	CLA	C4C-C3C-C2C	-2.84	102.76	106.89
22	B	833	CLA	C4C-C3C-C2C	-2.84	102.76	106.89
22	4	312	CLA	O2A-CGA-CBA	2.84	122.97	114.00
22	A	838	CLA	C3B-C4B-NB	2.84	113.06	110.53
22	1	304	CLA	CMB-C2B-C3B	2.84	133.22	126.55
22	2	309	CLA	C2A-C1A-NA	2.84	117.16	110.21
25	4	316	BCR	C37-C22-C23	2.84	122.42	118.09
22	6	313	CLA	CHC-C1C-C2C	-2.83	118.89	126.95
22	6	312	CLA	CHD-C4C-NC	2.83	128.63	124.23
29	6	315	5X6	C25-C24-C23	-2.83	114.99	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	825	CLA	CAC-C3C-C4C	2.83	128.48	124.79
22	5	305	CLA	C3B-C4B-NB	2.83	113.06	110.53
25	K	103	BCR	C19-C18-C17	2.83	123.46	119.01
22	A	839	CLA	CHC-C1C-C2C	-2.83	118.90	126.95
22	4	311	CLA	C4B-C3B-C2B	-2.83	103.78	107.30
22	A	814	CLA	CMC-C2C-C1C	2.83	129.46	125.03
29	7	314	5X6	C25-C24-C23	-2.83	115.00	123.20
22	2	304	CLA	C3C-C4C-NC	2.83	114.05	110.43
22	A	813	CLA	C4C-C3C-C2C	-2.83	102.77	106.89
22	7	304	CLA	C4C-C3C-C2C	-2.83	102.77	106.89
25	L	206	BCR	C15-C16-C17	2.83	129.31	123.52
22	A	829	CLA	CAC-C3C-C4C	2.83	128.47	124.79
22	2	306	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
22	A	802	CLA	C4-C3-C5	2.83	120.13	115.23
22	A	802	CLA	CAC-C3C-C4C	2.83	128.47	124.79
31	4	317	RRX	C15-C16-C17	2.83	129.30	123.52
22	7	312	CLA	CHC-C1C-C2C	-2.83	118.92	126.95
22	7	304	CLA	C2A-C1A-CHA	-2.82	118.97	123.87
22	A	819	CLA	CHC-C1C-C2C	-2.82	118.92	126.95
22	5	303	CLA	O2A-CGA-CBA	2.82	120.44	111.83
22	B	833	CLA	CBC-CAC-C3C	-2.82	104.77	112.42
22	5	302	CLA	CAC-C3C-C4C	2.82	128.46	124.79
22	A	805	CLA	O2A-CGA-CBA	2.82	120.44	111.83
22	7	309	CLA	CHD-C4C-NC	2.82	128.60	124.23
22	A	813	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
22	2	308	CLA	O2A-CGA-CBA	2.82	120.43	111.83
22	6	307	CLA	C3B-C4B-NB	2.82	113.05	110.53
22	A	838	CLA	C1C-C2C-C3C	-2.82	104.02	106.98
29	1	312	5X6	C40-C22-C23	-2.82	113.78	118.09
22	4	311	CLA	CHC-C1C-C2C	-2.82	118.94	126.95
22	A	814	CLA	C4C-C3C-C2C	-2.82	102.79	106.89
29	4	314	5X6	C38-C30-C31	-2.82	109.24	114.42
22	A	858	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
22	B	808	CLA	CHC-C1C-C2C	-2.82	118.95	126.95
22	B	813	CLA	CHC-C1C-C2C	-2.81	118.95	126.95
22	7	305	CLA	C4C-C3C-C2C	-2.81	102.80	106.89
22	7	306	CLA	CMC-C2C-C1C	2.81	129.43	125.03
22	A	809	CLA	CBC-CAC-C3C	-2.81	104.79	112.42
22	A	825	CLA	O2A-CGA-CBA	2.81	120.41	111.83
22	A	831	CLA	CHC-C1C-C2C	-2.81	118.96	126.95
23	A	840	A1L64	O3-C3-C2	-2.81	107.15	116.64
22	A	836	CLA	C4C-C3C-C2C	-2.81	102.80	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	2	308	CLA	CHC-C1C-C2C	-2.81	118.97	126.95
22	A	823	CLA	C1-C2-C3	-2.81	121.60	126.20
22	B	811	CLA	C4C-C3C-C2C	-2.81	102.81	106.89
22	3	304	CLA	C4C-C3C-C2C	-2.81	102.81	106.89
22	5	302	CLA	CHD-C4C-NC	2.80	128.58	124.23
22	A	834	CLA	C4-C3-C2	-2.80	116.43	123.63
22	A	809	CLA	C4C-C3C-C2C	-2.80	102.81	106.89
22	B	819	CLA	CHC-C1C-C2C	-2.80	118.99	126.95
22	2	307	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
22	3	301	CLA	CHD-C4C-NC	2.80	128.57	124.23
22	7	304	CLA	C4B-C3B-C2B	-2.80	103.82	107.30
22	B	830	CLA	C3B-C4B-NB	2.80	113.03	110.53
22	A	816	CLA	CMC-C2C-C1C	2.80	129.41	125.03
22	L	203	CLA	C4-C3-C5	2.80	120.08	115.23
29	O	207	5X6	C38-C30-C31	-2.80	109.28	114.42
22	A	824	CLA	C1-O2A-CGA	2.80	123.42	116.65
22	A	809	CLA	CHC-C1C-C2C	-2.80	119.00	126.95
22	4	303	CLA	C1-O2A-CGA	2.80	123.42	116.65
29	5	312	5X6	C12-C13-C14	-2.80	114.61	119.01
22	2	308	CLA	CAC-C3C-C4C	2.80	128.43	124.79
22	4	307	CLA	O2D-CGD-O1D	-2.80	118.41	123.85
22	B	807	CLA	CHC-C1C-C2C	-2.80	119.00	126.95
22	4	308	CLA	C4C-C3C-C2C	-2.79	102.82	106.89
22	3	305	CLA	CHC-C1C-C2C	-2.79	119.01	126.95
22	A	815	CLA	O2A-CGA-CBA	2.79	120.35	111.83
22	4	309	CLA	C4C-C3C-C2C	-2.79	102.83	106.89
22	6	308	CLA	C4B-C3B-C2B	-2.79	103.83	107.30
22	7	310	CLA	C3B-C4B-NB	2.79	113.02	110.53
22	6	306	CLA	CHD-C4C-NC	2.79	128.56	124.23
22	6	312	CLA	C4C-C3C-C2C	-2.79	102.83	106.89
22	7	309	CLA	CHC-C1C-C2C	-2.79	119.02	126.95
25	4	316	BCR	C34-C9-C10	-2.79	118.30	122.82
22	A	838	CLA	C1-O2A-CGA	2.79	123.40	116.65
22	3	301	CLA	C1C-C2C-C3C	-2.79	104.05	106.98
22	B	849	CLA	O1D-CGD-CBD	-2.79	119.02	124.52
29	7	318	5X6	C11-C03-C02	-2.79	115.13	121.56
22	A	859	CLA	CMC-C2C-C1C	2.79	129.39	125.03
22	3	305	CLA	O2A-CGA-CBA	2.79	120.33	111.83
22	A	858	CLA	CHC-C1C-C2C	-2.79	119.03	126.95
22	F	206	CLA	CHC-C1C-C2C	-2.79	119.03	126.95
22	B	805	CLA	C4C-C3C-C2C	-2.79	102.84	106.89
22	B	830	CLA	O2D-CGD-O1D	-2.79	118.43	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	L	202	BCR	C37-C22-C21	-2.78	118.31	122.82
22	A	804	CLA	C4C-C3C-C2C	-2.78	102.84	106.89
29	2	312	5X6	C38-C30-C31	-2.78	109.30	114.42
22	A	824	CLA	C4B-C3B-C2B	-2.78	103.84	107.30
22	L	204	CLA	CHC-C1C-C2C	-2.78	119.04	126.95
22	5	303	CLA	O2D-CGD-CBD	2.78	116.09	111.23
22	A	809	CLA	O2A-CGA-CBA	2.78	120.31	111.83
22	A	816	CLA	C2A-C1A-CHA	-2.78	119.04	123.87
22	A	825	CLA	C4B-C3B-C2B	-2.78	103.84	107.30
22	B	823	CLA	CHB-C4A-NA	2.78	128.41	124.40
22	B	835	CLA	C2A-C1A-CHA	-2.78	119.04	123.87
22	A	827	CLA	C4B-C3B-C2B	-2.78	103.84	107.30
22	6	312	CLA	C3C-C4C-NC	2.78	113.99	110.43
22	B	825	CLA	CMA-C3A-C2A	-2.78	103.24	113.98
29	5	312	5X6	C38-C30-C31	-2.78	109.31	114.42
22	6	306	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
22	5	311	CLA	C4B-C3B-C2B	-2.78	103.85	107.30
22	5	308	CLA	C3B-C4B-NB	2.78	113.01	110.53
22	2	305	CLA	CMB-C2B-C3B	2.78	133.08	126.55
22	B	823	CLA	CAA-C2A-C1A	-2.78	102.88	111.97
22	7	305	CLA	C4B-C3B-C2B	-2.78	103.85	107.30
22	Z	201	CLA	CBC-CAC-C3C	-2.78	104.90	112.42
22	7	308	CLA	CHB-C1B-C2B	-2.77	119.37	127.43
22	A	848	CLA	CHB-C4A-NA	2.77	128.40	124.40
22	B	813	CLA	O1D-CGD-CBD	-2.77	119.05	124.52
22	A	858	CLA	C3B-C4B-NB	2.77	113.00	110.53
22	A	829	CLA	CMB-C2B-C1B	2.77	129.64	125.42
22	B	816	CLA	C1C-C2C-C3C	-2.77	104.07	106.98
29	6	317	5X6	C25-C24-C23	-2.77	115.17	123.20
22	5	308	CLA	C2A-C1A-NA	2.77	117.00	110.21
25	B	842	BCR	C16-C15-C14	2.77	129.19	123.52
22	6	309	CLA	CHB-C1B-C2B	-2.77	119.39	127.43
22	A	838	CLA	CHB-C4A-NA	2.77	128.39	124.40
22	2	304	CLA	CHB-C4A-NA	2.77	128.39	124.40
22	5	306	CLA	CAA-C2A-C3A	-2.77	105.53	113.00
22	B	817	CLA	CHC-C1C-C2C	-2.77	119.09	126.95
22	A	820	CLA	C2A-C1A-CHA	-2.77	119.07	123.87
25	B	844	BCR	C34-C9-C8	-2.77	113.86	118.09
22	A	808	CLA	CMC-C2C-C1C	2.76	129.35	125.03
22	A	824	CLA	CHC-C1C-C2C	-2.76	119.09	126.95
22	7	310	CLA	CAA-C2A-C3A	-2.76	109.89	116.23
22	A	808	CLA	C2A-C1A-CHA	-2.76	119.07	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	822	CLA	O2A-CGA-CBA	2.76	120.26	111.83
25	A	845	BCR	C34-C9-C10	-2.76	118.34	122.82
22	B	828	CLA	CMC-C2C-C1C	2.76	129.35	125.03
22	1	303	CLA	CHD-C4C-NC	2.76	128.51	124.23
22	B	818	CLA	C4B-C3B-C2B	-2.76	103.87	107.30
22	A	806	CLA	CAA-C2A-C3A	-2.76	105.54	113.00
22	A	808	CLA	CMB-C2B-C1B	2.76	129.62	125.42
22	5	303	CLA	CHB-C4A-NA	2.76	128.38	124.40
22	A	838	CLA	CHC-C1C-C2C	-2.76	119.11	126.95
22	A	808	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
22	O	204	CLA	C2A-C1A-NA	2.76	116.96	110.21
22	7	310	CLA	O1D-CGD-CBD	-2.76	119.08	124.52
22	L	205	CLA	CHC-C1C-C2C	-2.76	119.12	126.95
25	A	862	BCR	C37-C22-C21	-2.76	118.35	122.82
22	A	815	CLA	C4-C3-C2	-2.76	116.55	123.63
22	5	301	CLA	C3B-C4B-NB	2.75	112.99	110.53
29	7	315	5X6	C38-C30-C31	-2.75	109.36	114.42
22	1	306	CLA	C2A-C1A-CHA	-2.75	119.09	123.87
22	A	808	CLA	O2A-CGA-CBA	2.75	120.23	111.83
22	B	833	CLA	CHB-C4A-NA	2.75	128.37	124.40
22	A	815	CLA	C2A-C1A-CHA	-2.75	119.09	123.87
22	A	833	CLA	CHB-C4A-NA	2.75	128.37	124.40
22	B	832	CLA	CMC-C2C-C1C	2.75	129.33	125.03
22	5	306	CLA	CBC-CAC-C3C	-2.75	104.96	112.42
22	B	832	CLA	CGD-CBD-CAD	-2.75	101.94	110.85
22	4	305	CLA	CBC-CAC-C3C	-2.75	104.97	112.42
22	B	818	CLA	C4-C3-C5	2.75	120.00	115.23
22	7	309	CLA	CED-O2D-CGD	2.75	122.15	115.92
22	A	812	CLA	CMC-C2C-C1C	2.75	129.33	125.03
22	2	303	CLA	C2A-C1A-CHA	-2.75	119.10	123.87
22	4	304	CLA	CMC-C2C-C1C	2.75	129.33	125.03
29	M	101	5X6	C38-C30-C31	-2.75	109.37	114.42
22	4	304	CLA	O2A-CGA-O1A	-2.75	116.76	123.63
22	6	312	CLA	CHC-C1C-NC	2.75	128.45	124.31
29	O	208	5X6	C42-C13-C12	-2.75	113.89	118.09
22	7	303	CLA	C4C-C3C-C2C	-2.75	102.89	106.89
22	5	307	CLA	CBC-CAC-C3C	-2.75	104.98	112.42
22	B	820	CLA	CBA-CAA-C2A	2.75	121.96	113.79
29	7	317	5X6	C35-C34-C29	2.74	114.55	110.24
22	A	806	CLA	C4B-C3B-C2B	-2.74	103.89	107.30
22	B	834	CLA	CMC-C2C-C1C	2.74	129.32	125.03
22	4	306	CLA	C3B-C4B-NB	2.74	112.98	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1	303	CLA	C4B-C3B-C2B	-2.74	103.89	107.30
22	6	303	CLA	C4C-C3C-C2C	-2.74	102.91	106.89
22	A	837	CLA	C4B-C3B-C2B	-2.74	103.90	107.30
22	7	308	CLA	C4B-C3B-C2B	-2.74	103.90	107.30
21	A	801	CL0	C4C-C3C-C2C	-2.74	102.56	113.37
22	4	308	CLA	CHB-C1B-C2B	-2.74	119.48	127.43
22	5	302	CLA	CHC-C1C-C2C	-2.74	119.17	126.95
22	2	308	CLA	C4C-C3C-C2C	-2.73	102.91	106.89
22	F	204	CLA	CHC-C1C-C2C	-2.73	119.18	126.95
25	B	841	BCR	C34-C9-C8	2.73	122.27	118.09
22	B	806	CLA	CHB-C4A-NA	2.73	128.34	124.40
25	A	844	BCR	C34-C9-C10	-2.73	118.39	122.82
29	1	316	5X6	C39-C26-C27	-2.73	113.91	118.09
22	B	810	CLA	CHC-C1C-C2C	-2.73	119.18	126.95
22	B	817	CLA	CHB-C4A-NA	2.73	128.34	124.40
22	2	308	CLA	CHD-C4C-NC	2.73	128.47	124.23
25	F	207	BCR	C12-C13-C14	2.73	123.30	119.01
22	6	307	CLA	C4-C3-C5	2.73	119.96	115.23
22	L	205	CLA	CMC-C2C-C1C	2.73	129.30	125.03
29	1	312	5X6	C14-C15-C16	-2.73	115.30	123.20
22	4	311	CLA	C1C-C2C-C3C	-2.73	104.11	106.98
22	O	206	CLA	C4C-C3C-C2C	-2.73	102.92	106.89
22	B	809	CLA	O2A-CGA-CBA	2.72	120.14	111.83
22	A	819	CLA	C3B-C4B-NB	2.72	112.96	110.53
22	B	835	CLA	C5-C3-C2	2.72	127.28	121.17
29	7	314	5X6	C09-C04-C03	2.72	114.51	110.24
22	B	818	CLA	C1-C2-C3	-2.72	121.74	126.20
22	B	816	CLA	C4B-C3B-C2B	-2.72	103.92	107.30
22	3	305	CLA	CHB-C1B-C2B	-2.72	119.53	127.43
22	A	857	CLA	C4B-C3B-C2B	-2.72	103.92	107.30
22	B	836	CLA	O2A-CGA-O1A	-2.72	116.83	123.63
22	5	308	CLA	CMA-C3A-C2A	-2.72	110.00	116.23
22	6	303	CLA	CMC-C2C-C1C	2.72	129.28	125.03
22	2	308	CLA	C2A-C1A-CHA	-2.72	119.15	123.87
22	B	823	CLA	C2C-C1C-NC	2.72	112.83	109.98
22	B	838	CLA	CHB-C4A-NA	2.72	128.32	124.40
22	B	825	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
22	A	821	CLA	C3B-C4B-NB	2.72	112.95	110.53
22	1	308	CLA	C3B-C4B-NB	2.72	112.95	110.53
22	1	306	CLA	C4C-C3C-C2C	-2.71	102.94	106.89
22	4	305	CLA	C2A-C1A-CHA	-2.71	119.16	123.87
29	7	314	5X6	C24-C23-C22	-2.71	118.92	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	7	303	CLA	CMD-C2D-C3D	-2.71	121.46	127.69
22	A	815	CLA	C4B-C3B-C2B	-2.71	103.93	107.30
22	A	810	CLA	C4A-NA-C1A	-2.71	105.44	106.68
22	B	808	CLA	OBD-CAD-C3D	-2.71	122.07	128.42
22	O	204	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
22	F	206	CLA	CHD-C4C-NC	2.71	128.44	124.23
22	B	825	CLA	CHC-C1C-C2C	-2.71	119.24	126.95
22	4	303	CLA	C4B-C3B-C2B	-2.71	103.93	107.30
29	1	314	5X6	C40-C22-C23	-2.71	113.94	118.09
22	B	820	CLA	CMC-C2C-C1C	2.71	129.27	125.03
22	6	304	CLA	CHD-C4C-NC	2.71	128.44	124.23
22	B	819	CLA	CHB-C1B-C2B	-2.71	119.56	127.43
22	B	816	CLA	C3B-C4B-NB	2.71	112.95	110.53
22	B	837	CLA	C2A-C1A-CHA	-2.71	119.16	123.87
22	A	858	CLA	C2A-C1A-CHA	-2.71	119.17	123.87
22	B	829	CLA	CBA-CAA-C2A	2.71	121.85	113.79
22	A	808	CLA	C4B-C3B-C2B	-2.71	103.93	107.30
22	A	822	CLA	O2A-CGA-CBA	2.71	120.09	111.83
29	1	314	5X6	C25-C24-C23	-2.71	115.35	123.20
22	A	813	CLA	CMC-C2C-C1C	2.71	129.26	125.03
22	L	204	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
22	B	850	CLA	CAC-C3C-C4C	2.71	128.31	124.79
22	B	835	CLA	CHC-C1C-C2C	-2.71	119.26	126.95
22	L	205	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
22	O	206	CLA	C2A-C1A-CHA	-2.71	119.17	123.87
25	5	315	BCR	C37-C22-C21	-2.71	118.43	122.82
22	O	205	CLA	C2A-C1A-CHA	-2.70	119.17	123.87
22	B	805	CLA	CHB-C4A-NA	2.70	128.30	124.40
22	B	830	CLA	C4B-C3B-C2B	-2.70	103.94	107.30
22	B	801	CLA	CHB-C4A-NA	2.70	128.30	124.40
31	6	318	RRX	C15-C16-C17	2.70	129.04	123.52
22	A	806	CLA	CMC-C2C-C1C	2.70	129.25	125.03
22	A	802	CLA	CHC-C1C-C2C	-2.70	119.28	126.95
22	1	310	CLA	CHC-C1C-C2C	-2.70	119.28	126.95
22	5	304	CLA	C2A-C1A-CHA	-2.70	119.18	123.87
25	A	862	BCR	C37-C22-C23	2.70	122.21	118.09
22	B	801	CLA	C4A-NA-C1A	-2.70	105.45	106.68
22	B	825	CLA	O1D-CGD-CBD	-2.70	119.20	124.52
29	1	311	5X6	C01-C02-C07	-2.70	109.46	114.42
22	3	305	CLA	C1-C2-C3	-2.70	121.78	126.20
22	B	827	CLA	C4-C3-C5	2.70	119.91	115.23
22	B	838	CLA	CMB-C2B-C1B	2.70	129.52	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	819	CLA	O2D-CGD-CBD	2.70	115.94	111.23
22	2	307	CLA	C4C-C3C-C2C	-2.70	102.97	106.89
22	5	304	CLA	CHD-C4C-NC	2.69	128.41	124.23
22	A	825	CLA	CHC-C1C-C2C	-2.69	119.29	126.95
22	1	306	CLA	CED-O2D-CGD	2.69	122.03	115.92
22	K	101	CLA	O2A-CGA-CBA	2.69	120.05	111.83
22	7	306	CLA	C4-C3-C5	2.69	119.91	115.23
22	3	301	CLA	CHC-C1C-C2C	-2.69	119.29	126.95
22	A	816	CLA	C4-C3-C5	2.69	119.90	115.23
22	A	806	CLA	CBC-CAC-C3C	-2.69	105.12	112.42
22	L	203	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
22	B	816	CLA	C2A-C1A-CHA	-2.69	119.19	123.87
22	6	312	CLA	C2A-C1A-CHA	-2.69	119.19	123.87
22	A	804	CLA	O2A-CGA-CBA	2.69	120.04	111.83
22	1	302	CLA	CBC-CAC-C3C	-2.69	105.13	112.42
22	6	305	CLA	C4B-C3B-C2B	-2.69	103.96	107.30
22	A	809	CLA	C2A-C1A-CHA	-2.69	119.20	123.87
22	7	310	CLA	C2A-C1A-NA	2.69	116.80	110.21
22	A	858	CLA	C4A-NA-C1A	-2.69	105.45	106.68
22	A	804	CLA	CHB-C4A-NA	2.69	128.28	124.40
22	5	309	CLA	CHD-C4C-NC	2.69	128.40	124.23
22	A	816	CLA	CHC-C1C-C2C	-2.69	119.32	126.95
25	F	207	BCR	C34-C9-C8	2.69	122.19	118.09
22	4	310	CLA	CHD-C4C-C3C	-2.68	120.86	124.77
22	B	804	CLA	C4B-C3B-C2B	-2.68	103.96	107.30
22	F	205	CLA	C1C-C2C-C3C	-2.68	104.16	106.98
22	3	305	CLA	C4B-C3B-C2B	-2.68	103.97	107.30
22	B	809	CLA	CHB-C4A-NA	2.68	128.27	124.40
25	F	207	BCR	C15-C16-C17	2.68	129.00	123.52
22	O	203	CLA	CHD-C4C-NC	2.68	128.39	124.23
29	M	101	5X6	C41-C17-C16	-2.68	113.99	118.09
22	6	312	CLA	CBC-CAC-C3C	-2.68	105.16	112.42
22	A	834	CLA	CHD-C4C-NC	2.68	128.38	124.23
22	2	307	CLA	CHD-C4C-NC	2.68	128.38	124.23
22	B	805	CLA	C4A-NA-C1A	-2.68	105.46	106.68
22	6	305	CLA	C3B-C4B-NB	2.68	112.92	110.53
22	1	302	CLA	C3B-C4B-NB	2.68	112.92	110.53
22	B	829	CLA	O2A-CGA-CBA	2.67	119.99	111.83
22	4	308	CLA	CAC-C3C-C4C	2.67	128.27	124.79
25	A	844	BCR	C2-C1-C6	2.67	114.32	110.44
22	6	310	CLA	O2A-CGA-CBA	2.67	119.99	111.83
22	A	835	CLA	CHB-C4A-NA	2.67	128.26	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	5	307	CLA	O2A-CGA-CBA	2.67	119.97	111.83
22	3	305	CLA	CAC-C3C-C4C	2.67	128.26	124.79
22	3	305	CLA	CHD-C4C-NC	2.67	128.37	124.23
22	B	830	CLA	CBC-CAC-C3C	-2.67	105.19	112.42
22	7	305	CLA	CMC-C2C-C1C	2.66	129.20	125.03
29	1	311	5X6	C41-C17-C16	-2.66	114.02	118.09
25	A	845	BCR	C16-C15-C14	2.66	128.97	123.52
22	B	805	CLA	C4-C3-C5	2.66	119.85	115.23
22	A	822	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
29	4	313	5X6	C38-C30-C31	-2.66	109.53	114.42
22	2	303	CLA	C4C-C3C-C2C	-2.66	103.02	106.89
22	4	310	CLA	CHC-C1C-NC	2.66	128.32	124.31
22	A	820	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
22	A	809	CLA	CAA-C2A-C3A	-2.66	105.81	113.00
22	A	821	CLA	C2A-C1A-CHA	-2.66	119.25	123.87
22	A	829	CLA	CMC-C2C-C1C	2.66	129.19	125.03
22	5	309	CLA	C2A-C1A-CHA	-2.66	119.25	123.87
22	B	819	CLA	CED-O2D-CGD	2.66	121.95	115.92
22	B	837	CLA	CMC-C2C-C1C	2.66	129.19	125.03
22	B	832	CLA	C2A-C1A-CHA	-2.66	119.25	123.87
29	1	311	5X6	C23-C22-C21	-2.66	114.83	119.01
22	5	306	CLA	CHB-C4A-NA	2.66	128.23	124.40
22	A	818	CLA	C4A-NA-C1A	-2.66	105.47	106.68
29	7	318	5X6	C42-C13-C12	-2.65	114.03	118.09
22	A	837	CLA	CAA-CBA-CGA	-2.65	105.67	113.21
22	1	303	CLA	CMC-C2C-C1C	2.65	129.18	125.03
22	F	206	CLA	O1D-CGD-CBD	-2.65	119.29	124.52
22	5	304	CLA	CBC-CAC-C3C	-2.65	105.23	112.42
22	4	308	CLA	O2A-CGA-O1A	-2.65	117.00	123.63
22	L	203	CLA	C3B-C4B-NB	2.65	112.89	110.53
22	1	302	CLA	CHB-C4A-NA	2.65	128.22	124.40
22	7	311	CLA	C3B-C4B-NB	2.65	112.89	110.53
22	B	816	CLA	CMB-C2B-C3B	2.65	132.78	126.55
22	6	306	CLA	O2A-CGA-CBA	2.65	119.91	111.83
22	B	836	CLA	C4B-C3B-C2B	-2.65	104.01	107.30
29	1	311	5X6	C36-C34-C29	2.65	114.39	110.24
22	A	837	CLA	C4A-NA-C1A	-2.65	105.47	106.68
22	A	828	CLA	CBC-CAC-C3C	-2.65	105.25	112.42
22	2	304	CLA	C4C-C3C-C2C	-2.65	103.04	106.89
22	A	810	CLA	C2A-C1A-CHA	-2.64	119.28	123.87
22	B	835	CLA	O2A-CGA-CBA	2.64	119.90	111.83
22	3	301	CLA	C1-C2-C3	-2.64	121.86	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	821	CLA	CHC-C1C-C2C	-2.64	119.43	126.95
22	B	815	CLA	CMC-C2C-C1C	2.64	129.17	125.03
22	A	818	CLA	CMC-C2C-C1C	2.64	129.16	125.03
22	1	306	CLA	CBC-CAC-C3C	-2.64	105.26	112.42
22	A	831	CLA	C4-C3-C2	-2.64	116.84	123.63
22	B	827	CLA	CBC-CAC-C3C	-2.64	105.26	112.42
22	O	206	CLA	O2A-CGA-CBA	2.64	119.89	111.83
21	A	801	CL0	CGD-CBD-CAD	-2.64	102.30	110.85
22	5	309	CLA	CAA-C2A-C1A	2.64	117.99	112.14
22	B	817	CLA	C4A-NA-C1A	-2.64	105.47	106.68
25	A	845	BCR	C27-C26-C25	-2.64	119.14	122.70
22	B	829	CLA	CBC-CAC-C3C	-2.64	105.27	112.42
22	1	303	CLA	CED-O2D-CGD	2.64	121.90	115.92
22	B	822	CLA	C4-C3-C5	2.64	119.81	115.23
22	B	821	CLA	CMB-C2B-C1B	2.64	129.43	125.42
22	B	823	CLA	O2D-CGD-O1D	-2.64	118.72	123.85
22	2	304	CLA	C3B-C4B-NB	2.64	112.88	110.53
22	O	205	CLA	O2A-CGA-CBA	2.64	119.87	111.83
22	A	817	CLA	CED-O2D-CGD	2.64	121.89	115.92
22	A	820	CLA	C4-C3-C5	2.64	119.80	115.23
22	A	811	CLA	C4A-NA-C1A	-2.63	105.48	106.68
22	A	825	CLA	CHD-C4C-NC	2.63	128.31	124.23
22	O	206	CLA	O2D-CGD-O1D	-2.63	118.72	123.85
22	2	305	CLA	CMC-C2C-C1C	2.63	129.15	125.03
22	5	302	CLA	CBC-CAC-C3C	-2.63	105.28	112.42
22	B	839	CLA	CHC-C1C-C2C	-2.63	119.47	126.95
25	1	301	BCR	C16-C15-C14	2.63	128.90	123.52
31	5	322	RRX	C15-C16-C17	2.63	128.90	123.52
22	A	816	CLA	C1-O2A-CGA	2.63	123.01	116.65
21	A	801	CL0	CMC-C2C-C1C	2.63	129.46	124.73
22	B	835	CLA	CAA-C2A-C3A	-2.63	105.90	113.00
22	2	303	CLA	O2A-CGA-CBA	2.63	119.85	111.83
22	3	304	CLA	CMC-C2C-C1C	2.63	129.14	125.03
22	B	811	CLA	C4B-C3B-C2B	-2.63	104.03	107.30
22	B	805	CLA	O2A-CGA-CBA	2.63	119.85	111.83
22	7	307	CLA	C3B-C4B-NB	2.63	112.88	110.53
22	4	312	CLA	CMC-C2C-C1C	2.63	129.14	125.03
25	L	202	BCR	C16-C15-C14	2.63	128.90	123.52
22	A	809	CLA	C4B-C3B-C2B	-2.63	104.03	107.30
22	A	858	CLA	C4B-C3B-C2B	-2.63	104.03	107.30
22	B	824	CLA	CBC-CAC-C3C	-2.63	105.30	112.42
22	A	823	CLA	CMA-C3A-C4A	2.63	118.83	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	808	CLA	CBC-CAC-C3C	-2.63	105.30	112.42
22	5	307	CLA	C4C-C3C-C2C	-2.63	103.07	106.89
22	A	838	CLA	CMC-C2C-C1C	2.63	129.14	125.03
22	B	809	CLA	C4C-C3C-C2C	-2.63	103.07	106.89
22	A	829	CLA	O2A-CGA-CBA	2.63	119.84	111.83
22	B	839	CLA	CBC-CAC-C3C	-2.63	105.30	112.42
22	A	828	CLA	CMA-C3A-C2A	-2.62	103.84	113.98
22	A	833	CLA	C2A-C1A-CHA	-2.62	119.31	123.87
22	B	807	CLA	C2A-C1A-CHA	-2.62	119.31	123.87
22	B	814	CLA	C2A-C1A-CHA	-2.62	119.32	123.87
22	4	310	CLA	CMC-C2C-C1C	2.62	129.13	125.03
22	A	817	CLA	CMC-C2C-C1C	2.62	129.13	125.03
22	A	807	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
22	7	312	CLA	CHD-C4C-NC	2.62	128.29	124.23
22	1	303	CLA	CAA-C2A-C3A	-2.62	105.92	113.00
22	5	311	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
22	F	205	CLA	CMC-C2C-C1C	2.62	129.12	125.03
22	B	839	CLA	C4B-C3B-C2B	-2.62	104.05	107.30
22	4	305	CLA	CHD-C4C-NC	2.62	128.29	124.23
22	4	303	CLA	C1C-C2C-C3C	-2.62	104.23	106.98
22	B	812	CLA	OBD-CAD-C3D	-2.62	122.30	128.42
22	4	307	CLA	CMC-C2C-C1C	2.62	129.12	125.03
22	4	303	CLA	CHB-C1B-C2B	-2.62	119.83	127.43
22	6	311	CLA	C2A-C1A-NA	2.62	116.62	110.21
22	B	803	CLA	C4A-NA-C1A	-2.61	105.49	106.68
22	A	829	CLA	CHC-C1C-C2C	-2.61	119.52	126.95
22	B	838	CLA	C4B-C3B-C2B	-2.61	104.05	107.30
25	5	315	BCR	C20-C21-C22	2.61	130.94	127.28
22	B	827	CLA	CBA-CAA-C2A	2.61	121.57	113.79
22	7	303	CLA	CMC-C2C-C1C	2.61	129.12	125.03
22	1	302	CLA	CHD-C4C-NC	2.61	128.28	124.23
22	7	304	CLA	CHB-C1B-C2B	-2.61	119.85	127.43
22	1	304	CLA	C4B-C3B-C2B	-2.61	104.06	107.30
22	L	204	CLA	CAC-C3C-C4C	2.61	128.19	124.79
29	J	104	5X6	C04-C03-C02	-2.61	119.07	122.64
22	A	839	CLA	O2A-CGA-CBA	2.61	119.79	111.83
23	A	840	A1L64	O3-C3-C4	2.61	133.51	123.64
22	6	306	CLA	C4C-C3C-C2C	-2.61	103.10	106.89
22	B	850	CLA	CHD-C4C-NC	2.61	128.27	124.23
22	Z	204	CLA	CHD-C4C-NC	2.61	128.27	124.23
22	4	309	CLA	CHD-C4C-NC	2.61	128.27	124.23
22	A	813	CLA	O1D-CGD-CBD	-2.61	119.38	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	807	CLA	CHB-C4A-NA	2.61	128.16	124.40
22	1	305	CLA	CMC-C2C-C1C	2.61	129.11	125.03
22	B	832	CLA	C4B-C3B-C2B	-2.61	104.06	107.30
22	B	819	CLA	C2A-C1A-CHA	-2.61	119.35	123.87
22	6	313	CLA	CMB-C2B-C3B	2.60	132.68	126.55
22	4	311	CLA	CHB-C1B-C2B	-2.60	119.87	127.43
22	3	301	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
22	5	311	CLA	CHB-C4A-NA	2.60	128.16	124.40
22	O	205	CLA	CHD-C4C-NC	2.60	128.27	124.23
22	7	308	CLA	CHD-C4C-NC	2.60	128.27	124.23
22	A	839	CLA	C3B-C4B-NB	2.60	112.85	110.53
22	A	806	CLA	CHB-C4A-NA	2.60	128.16	124.40
29	6	315	5X6	C38-C30-C31	-2.60	109.63	114.42
22	A	815	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
22	A	822	CLA	C4A-NA-C1A	-2.60	105.49	106.68
29	7	317	5X6	C16-C17-C18	-2.60	114.92	119.01
22	3	302	CLA	CHD-C4C-NC	2.60	128.26	124.23
22	4	304	CLA	CBC-CAC-C3C	-2.60	105.38	112.42
22	O	203	CLA	O2A-CGA-CBA	2.60	121.96	112.14
22	6	311	CLA	CMA-C3A-C2A	-2.60	110.27	116.23
29	1	313	5X6	C01-C02-C07	-2.60	109.64	114.42
22	B	808	CLA	O2A-CGA-O1A	-2.60	117.13	123.63
22	F	205	CLA	CHD-C4C-NC	2.60	128.26	124.23
22	4	310	CLA	O2D-CGD-O1D	-2.60	118.79	123.85
22	2	305	CLA	C4-C3-C2	-2.60	116.96	123.63
22	B	822	CLA	CMC-C2C-C1C	2.60	129.09	125.03
22	4	312	CLA	CHB-C1B-C2B	-2.59	119.90	127.43
22	O	203	CLA	CAA-C2A-C3A	-2.59	105.99	113.00
22	F	206	CLA	C2A-C1A-CHA	-2.59	119.37	123.86
22	2	304	CLA	CHD-C4C-NC	2.59	128.25	124.23
22	A	858	CLA	C4-C3-C5	2.59	119.72	115.23
22	B	833	CLA	CAA-C2A-C3A	-2.59	106.00	113.00
22	K	101	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
22	6	311	CLA	CED-O2D-CGD	2.59	121.78	115.92
22	1	309	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
22	B	801	CLA	O2A-CGA-CBA	2.58	119.72	111.83
21	A	801	CL0	C1C-CHC-C4B	2.58	125.32	116.07
22	4	309	CLA	C3B-C4B-NB	2.58	112.84	110.53
22	B	819	CLA	C1C-C2C-C3C	-2.58	104.26	106.98
22	A	811	CLA	O2A-CGA-CBA	2.58	119.71	111.83
22	6	310	CLA	C2A-C1A-CHA	-2.58	119.39	123.87
22	1	308	CLA	C2A-C1A-CHA	-2.58	119.39	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	6	310	CLA	CMB-C2B-C3B	2.58	132.62	126.55
22	A	832	CLA	C1C-C2C-C3C	-2.58	104.27	106.98
22	2	303	CLA	O2D-CGD-O1D	-2.58	118.83	123.85
22	4	310	CLA	C3C-C4C-NC	2.58	113.73	110.43
22	B	826	CLA	CAC-C3C-C4C	2.58	128.14	124.79
22	3	305	CLA	C2A-C1A-CHA	-2.58	119.39	123.87
25	L	206	BCR	C35-C13-C14	-2.58	118.64	122.82
22	A	817	CLA	O2A-CGA-CBA	2.58	119.69	111.83
22	O	205	CLA	C1-C2-C3	-2.57	122.60	126.76
22	3	302	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
22	2	307	CLA	CHB-C1B-C2B	-2.57	119.96	127.43
22	A	809	CLA	CHB-C1B-C2B	-2.57	119.96	127.43
22	B	831	CLA	C2A-C1A-CHA	-2.57	119.40	123.87
22	B	807	CLA	O2A-CGA-CBA	2.57	119.68	111.83
22	A	834	CLA	O2A-CGA-CBA	2.57	119.68	111.83
22	A	857	CLA	CHC-C1C-C2C	-2.57	119.64	126.95
22	1	303	CLA	C1-C2-C3	-2.57	121.98	126.20
22	1	308	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
22	F	204	CLA	O2A-CGA-CBA	2.57	119.67	111.83
31	4	317	RRX	C15-C14-C13	2.57	130.88	127.28
22	B	812	CLA	O2D-CGD-O1D	-2.57	118.85	123.85
22	B	835	CLA	C3B-C4B-NB	2.57	112.82	110.53
22	B	849	CLA	C4A-NA-C1A	-2.57	105.51	106.68
22	5	309	CLA	C3B-C4B-NB	2.57	112.82	110.53
22	B	807	CLA	CBC-CAC-C3C	-2.57	105.47	112.42
22	A	836	CLA	CMC-C2C-C1C	2.56	129.04	125.03
22	O	204	CLA	CMC-C2C-C1C	2.56	129.04	125.03
22	Z	204	CLA	CHB-C4A-NA	2.56	128.10	124.40
22	4	308	CLA	C2A-C1A-CHA	-2.56	119.42	123.87
22	A	816	CLA	CHB-C4A-NA	2.56	128.10	124.40
22	A	814	CLA	C2A-C1A-CHA	-2.56	119.42	123.87
22	B	802	CLA	CMB-C2B-C1B	2.56	129.32	125.42
22	7	306	CLA	O2A-CGA-CBA	2.56	119.65	111.83
22	7	309	CLA	CMC-C2C-C1C	2.56	129.04	125.03
22	6	303	CLA	CBC-CAC-C3C	-2.56	105.48	112.42
22	B	817	CLA	CAA-C2A-C1A	-2.56	103.59	111.97
22	1	307	CLA	CHB-C4A-NA	2.56	128.09	124.40
22	6	309	CLA	CAA-C2A-C3A	-2.56	106.09	113.00
22	6	306	CLA	C4-C3-C2	-2.56	117.06	123.63
22	1	310	CLA	C6-C5-C3	2.56	119.70	113.47
22	7	313	CLA	C3B-C4B-NB	2.56	112.81	110.53
22	B	831	CLA	CMC-C2C-C1C	2.56	129.03	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	Z	205	BCR	C10-C11-C12	2.55	130.60	123.20
22	A	831	CLA	O2A-CGA-CBA	2.55	119.62	111.83
22	1	303	CLA	CMB-C2B-C1B	2.55	129.31	125.42
22	A	813	CLA	CBC-CAC-C3C	-2.55	105.50	112.42
22	6	305	CLA	CMB-C2B-C3B	2.55	132.55	126.55
22	B	826	CLA	O2A-CGA-CBA	2.55	119.62	111.83
22	4	305	CLA	O2A-CGA-CBA	2.55	119.62	111.83
22	A	826	CLA	CHC-C1C-C2C	-2.55	119.70	126.95
22	2	310	CLA	C3B-C4B-NB	2.55	112.81	110.53
22	5	304	CLA	C4C-C3C-C2C	-2.55	103.18	106.89
22	5	306	CLA	C2A-C1A-CHA	-2.55	119.44	123.87
22	2	304	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
22	A	810	CLA	CHB-C4A-NA	2.55	128.08	124.40
22	A	829	CLA	CHB-C4A-NA	2.55	128.08	124.40
22	1	305	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
22	1	307	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
22	B	832	CLA	O2A-CGA-O1A	-2.55	117.26	123.63
22	4	311	CLA	CHD-C4C-NC	2.55	128.18	124.23
22	B	809	CLA	CMB-C2B-C1B	2.54	129.29	125.42
22	5	307	CLA	C2A-C1A-CHA	-2.54	119.45	123.87
22	B	830	CLA	C1-O2A-CGA	2.54	122.81	116.65
22	6	304	CLA	CHC-C1C-C2C	-2.54	119.72	126.95
25	Z	202	BCR	C34-C9-C10	-2.54	118.69	122.82
22	A	857	CLA	C3B-C4B-NB	2.54	112.80	110.53
22	7	304	CLA	CHC-C1C-C2C	-2.54	119.72	126.95
22	A	810	CLA	CMC-C2C-C1C	2.54	129.01	125.03
22	O	204	CLA	CHD-C4C-NC	2.54	128.17	124.23
22	B	817	CLA	CAA-C2A-C3A	-2.54	106.13	113.00
29	6	316	5X6	C38-C30-C31	-2.54	109.75	114.42
22	1	302	CLA	C4C-C3C-C2C	-2.54	103.19	106.89
22	A	814	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
22	1	306	CLA	CMC-C2C-C1C	2.54	129.00	125.03
22	7	313	CLA	CHD-C4C-NC	2.54	128.17	124.23
22	A	835	CLA	C1-C2-C3	-2.54	122.04	126.20
22	B	819	CLA	CAA-C2A-C3A	-2.54	106.14	113.00
22	A	820	CLA	CHD-C4C-NC	2.54	128.17	124.23
29	7	318	5X6	C42-C13-C14	-2.54	118.70	122.82
22	A	806	CLA	O1D-CGD-CBD	-2.54	119.51	124.52
22	6	312	CLA	O2D-CGD-O1D	-2.54	118.91	123.85
22	4	312	CLA	C2A-C1A-CHA	-2.54	119.47	123.87
22	4	308	CLA	C1-O2A-CGA	2.54	122.79	116.65
22	1	310	CLA	CHD-C4C-NC	2.54	128.16	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	2	301	BCR	C15-C16-C17	2.54	128.71	123.52
22	A	819	CLA	C2A-C1A-CHA	-2.54	119.47	123.87
22	A	839	CLA	O2D-CGD-O1D	-2.53	118.91	123.85
22	1	304	CLA	CMC-C2C-C1C	2.53	129.00	125.03
25	B	841	BCR	C37-C22-C23	2.53	121.96	118.09
22	Z	201	CLA	CHD-C4C-NC	2.53	128.16	124.23
22	A	813	CLA	C2A-C1A-CHA	-2.53	119.47	123.87
22	Z	204	CLA	C7-C6-C5	-2.53	106.51	113.26
22	2	307	CLA	CAA-C2A-C3A	-2.53	106.15	113.00
22	1	303	CLA	C1C-C2C-C3C	-2.53	104.32	106.98
22	L	203	CLA	CBA-CAA-C2A	2.53	121.33	113.79
22	A	839	CLA	CBC-CAC-C3C	-2.53	105.56	112.42
22	K	101	CLA	C1-C2-C3	-2.53	122.05	126.20
29	4	315	5X6	C01-C02-C07	-2.53	109.77	114.42
22	A	802	CLA	O1D-CGD-CBD	-2.53	119.53	124.52
22	L	205	CLA	C4B-C3B-C2B	-2.53	104.16	107.30
22	B	849	CLA	C1-O2A-CGA	2.53	122.78	116.65
22	2	309	CLA	CMC-C2C-C1C	2.53	128.99	125.03
22	4	302	CLA	CMC-C2C-C1C	2.53	128.99	125.03
22	4	302	CLA	O2D-CGD-O1D	-2.53	118.92	123.85
25	A	862	BCR	C29-C28-C27	2.53	116.84	111.28
22	A	818	CLA	CHD-C4C-NC	2.53	128.15	124.23
22	A	816	CLA	CMB-C2B-C1B	2.53	129.27	125.42
25	B	842	BCR	C34-C9-C10	-2.53	118.72	122.82
22	A	819	CLA	CAA-C2A-C3A	-2.53	106.17	113.00
22	B	832	CLA	CHD-C4C-NC	2.53	128.15	124.23
25	F	201	BCR	C34-C9-C10	-2.53	118.72	122.82
22	A	826	CLA	CBC-CAC-C3C	-2.53	105.57	112.42
22	7	303	CLA	C2A-C1A-CHA	-2.53	119.48	123.87
22	4	308	CLA	CHC-C1C-C2C	-2.52	119.77	126.95
22	2	311	CLA	CHB-C1B-C2B	-2.52	120.10	127.43
22	1	310	CLA	CMB-C2B-C3B	2.52	132.48	126.55
22	B	823	CLA	CMA-C3A-C2A	-2.52	104.23	113.98
22	L	204	CLA	CBC-CAC-C3C	-2.52	105.58	112.42
22	3	304	CLA	CHD-C4C-NC	2.52	128.14	124.23
22	Z	204	CLA	C4C-C3C-C2C	-2.52	103.22	106.89
22	B	829	CLA	C1-O2A-CGA	2.52	122.75	116.65
22	B	821	CLA	CHD-C4C-NC	2.52	128.14	124.23
22	2	308	CLA	CMB-C2B-C1B	2.52	129.26	125.42
22	A	815	CLA	CHB-C1B-C2B	-2.52	120.11	127.43
22	4	312	CLA	CHB-C4A-NA	2.52	128.04	124.40
22	3	305	CLA	CMC-C2C-C1C	2.52	128.97	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	802	CLA	CHC-C1C-C2C	-2.52	119.79	126.95
22	1	306	CLA	CHD-C4C-NC	2.52	128.14	124.23
25	A	846	BCR	C15-C16-C17	2.52	128.67	123.52
22	2	303	CLA	CBC-CAC-C3C	-2.52	105.59	112.42
22	B	820	CLA	CHD-C4C-NC	2.52	128.13	124.23
22	B	827	CLA	CHB-C4A-NA	2.52	128.03	124.40
29	7	318	5X6	C39-C26-C27	-2.52	114.24	118.09
22	3	303	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
22	A	820	CLA	C4A-NA-C1A	-2.52	105.53	106.68
29	7	315	5X6	C39-C26-C27	-2.52	114.25	118.09
22	K	102	CLA	CMC-C2C-C1C	2.51	128.96	125.03
22	6	309	CLA	CMB-C2B-C1B	2.51	129.25	125.42
22	2	309	CLA	C3B-C4B-NB	2.51	112.77	110.53
22	6	305	CLA	CHD-C4C-NC	2.51	128.13	124.23
22	A	817	CLA	O2A-CGA-O1A	-2.51	117.34	123.63
22	B	807	CLA	C4-C3-C5	2.51	119.59	115.23
22	2	310	CLA	CHD-C4C-NC	2.51	128.13	124.23
22	4	306	CLA	CMC-C2C-C1C	2.51	128.96	125.03
22	2	304	CLA	CHB-C1B-C2B	-2.51	120.14	127.43
22	B	817	CLA	CHD-C4C-NC	2.51	128.12	124.23
22	B	835	CLA	CHB-C4A-NA	2.51	128.02	124.40
29	7	318	5X6	C12-C13-C14	-2.51	115.06	119.01
22	6	303	CLA	CHD-C4C-NC	2.51	128.12	124.23
22	1	303	CLA	CHB-C1B-C2B	-2.51	120.14	127.43
22	A	817	CLA	C6-C5-C3	2.51	119.58	113.47
22	5	302	CLA	CMB-C2B-C3B	2.51	132.45	126.55
22	1	305	CLA	CHB-C4A-NA	2.51	128.02	124.40
22	A	819	CLA	CMB-C2B-C3B	2.51	132.45	126.55
22	B	825	CLA	C4A-NA-C1A	-2.51	105.53	106.68
22	Z	204	CLA	CGD-CBD-CAD	-2.51	102.73	110.85
22	L	204	CLA	CHD-C4C-NC	2.51	128.12	124.23
22	B	821	CLA	CHB-C1B-C2B	-2.51	120.15	127.43
22	B	810	CLA	C3B-C4B-NB	2.51	112.77	110.53
22	L	203	CLA	O2A-CGA-CBA	2.51	119.47	111.83
22	7	306	CLA	CHB-C1B-C2B	-2.51	120.15	127.43
22	A	838	CLA	C5-C3-C2	2.50	126.79	121.17
25	L	202	BCR	C7-C8-C9	2.50	129.94	126.23
22	5	310	CLA	CMC-C2C-C1C	2.50	128.94	125.03
22	7	311	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
22	A	824	CLA	CMB-C2B-C1B	2.50	129.23	125.42
22	B	835	CLA	C6-C5-C3	2.50	119.56	113.47
22	B	837	CLA	C4B-C3B-C2B	-2.50	104.19	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	834	CLA	C2A-C1A-CHA	-2.50	119.53	123.87
22	1	307	CLA	O2A-CGA-O1A	-2.50	117.38	123.63
22	B	833	CLA	C4-C3-C5	2.50	119.56	115.23
22	7	305	CLA	CED-O2D-CGD	2.50	121.58	115.92
22	A	802	CLA	O2A-CGA-O1A	-2.50	117.38	123.63
22	6	308	CLA	CHD-C4C-NC	2.50	128.10	124.23
25	A	861	BCR	C37-C22-C23	2.50	121.90	118.09
22	A	809	CLA	CMB-C2B-C1B	2.50	129.22	125.42
22	4	309	CLA	CBC-CAC-C3C	-2.50	105.66	112.42
22	K	101	CLA	CMB-C2B-C3B	2.50	132.42	126.55
22	A	804	CLA	OBD-CAD-C3D	-2.50	122.58	128.42
22	2	303	CLA	C1-C2-C3	-2.50	122.11	126.20
22	7	309	CLA	C2A-C1A-CHA	-2.49	119.54	123.87
22	B	811	CLA	CHD-C4C-NC	2.49	128.09	124.23
22	K	101	CLA	C2A-C1A-CHA	-2.49	119.54	123.87
22	4	302	CLA	CMB-C2B-C3B	2.49	132.41	126.55
22	B	834	CLA	O2A-CGA-O1A	-2.49	117.40	123.63
22	A	859	CLA	CGD-CBD-CAD	-2.49	102.78	110.85
23	A	840	A1L64	O4-C4-C5	-2.49	108.23	116.64
22	6	308	CLA	C4C-C3C-C2C	-2.49	103.27	106.89
22	B	818	CLA	CMC-C2C-C1C	2.49	128.93	125.03
25	A	843	BCR	C30-C25-C24	2.49	122.40	115.65
22	7	306	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
23	A	840	A1L64	O4-C4-C3	2.49	133.05	123.64
22	2	302	CLA	CMC-C2C-C1C	2.49	128.92	125.03
22	F	206	CLA	CBC-CAC-C3C	-2.49	105.68	112.42
22	A	805	CLA	CBC-CAC-C3C	-2.49	105.68	112.42
22	B	811	CLA	CMA-C3A-C2A	-2.49	104.37	113.98
22	B	839	CLA	C3B-C4B-NB	2.49	112.75	110.53
22	5	310	CLA	C2A-C1A-CHA	-2.49	119.55	123.87
22	B	817	CLA	C1-O2A-CGA	2.49	122.67	116.65
22	A	859	CLA	CHB-C4A-NA	2.48	127.98	124.40
22	B	832	CLA	CHC-C1C-C2C	-2.48	119.89	126.95
22	J	102	CLA	CHD-C4C-NC	2.48	128.08	124.23
22	B	814	CLA	O2A-CGA-O1A	-2.48	117.42	123.63
22	2	310	CLA	O2D-CGD-O1D	-2.48	119.02	123.85
25	I	102	BCR	C15-C16-C17	2.48	128.59	123.52
22	5	307	CLA	C4-C3-C5	2.48	119.53	115.23
22	A	857	CLA	O2A-CGA-O1A	-2.48	117.43	123.63
29	5	321	5X6	C40-C22-C23	-2.48	114.30	118.09
22	B	828	CLA	CMA-C3A-C2A	-2.48	104.40	113.98
22	K	101	CLA	C4-C3-C5	2.48	119.53	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	6	310	CLA	O2D-CGD-O1D	-2.48	119.03	123.85
22	4	310	CLA	CHB-C1B-C2B	-2.48	120.24	127.43
22	3	301	CLA	CHB-C1B-C2B	-2.48	120.24	127.43
22	B	823	CLA	CHC-C1C-C2C	-2.48	119.91	126.95
22	6	314	CLA	C3B-C4B-NB	2.48	112.74	110.53
22	7	306	CLA	C4-C3-C2	-2.48	117.27	123.63
22	5	311	CLA	CBC-CAC-C3C	-2.48	105.71	112.42
22	2	302	CLA	O1D-CGD-CBD	-2.47	119.64	124.52
22	A	830	CLA	CHB-C4A-NA	2.47	127.97	124.40
22	A	814	CLA	CHD-C4C-NC	2.47	128.07	124.23
22	2	304	CLA	CMC-C2C-C1C	2.47	128.90	125.03
22	B	804	CLA	O2A-CGA-CBA	2.47	119.37	111.83
29	5	313	5X6	C12-C13-C14	-2.47	115.12	119.01
25	B	842	BCR	C35-C13-C14	-2.47	118.82	122.82
22	B	810	CLA	CMB-C2B-C1B	2.47	129.18	125.42
22	A	808	CLA	CAA-C2A-C3A	-2.47	106.33	113.00
25	A	861	BCR	C35-C13-C14	-2.47	118.82	122.82
22	B	810	CLA	O1D-CGD-CBD	-2.47	119.65	124.52
22	5	306	CLA	CMC-C2C-C1C	2.47	128.89	125.03
22	B	805	CLA	CBA-CAA-C2A	2.47	121.13	113.79
22	2	303	CLA	CHD-C4C-NC	2.47	128.06	124.23
22	7	303	CLA	O2D-CGD-O1D	-2.47	119.05	123.85
29	6	316	5X6	C04-C03-C11	-2.47	108.97	115.65
22	F	204	CLA	C1-C2-C3	-2.47	122.16	126.20
22	J	102	CLA	C3B-C4B-NB	2.46	112.73	110.53
22	7	308	CLA	CMC-C2C-C1C	2.46	128.88	125.03
22	6	314	CLA	CHB-C1B-C2B	-2.46	120.28	127.43
22	5	303	CLA	CMC-C2C-C1C	2.46	128.88	125.03
22	A	839	CLA	O2A-CGA-O1A	-2.46	117.47	123.63
22	A	823	CLA	CMC-C2C-C1C	2.46	128.88	125.03
22	5	305	CLA	CMC-C2C-C1C	2.46	128.88	125.03
25	F	201	BCR	C15-C14-C13	2.46	130.73	127.28
22	2	311	CLA	CHD-C4C-NC	2.46	128.05	124.23
22	B	850	CLA	O2D-CGD-O1D	-2.46	119.06	123.85
25	4	316	BCR	C36-C18-C17	-2.46	118.83	122.82
22	A	826	CLA	CMA-C3A-C2A	-2.46	104.47	113.98
22	7	305	CLA	CHD-C4C-NC	2.46	128.04	124.23
22	A	822	CLA	C3B-C4B-NB	2.46	112.72	110.53
22	A	825	CLA	C2A-C1A-CHA	-2.46	119.60	123.87
22	B	835	CLA	C1C-C2C-C3C	-2.46	104.39	106.98
22	B	827	CLA	CMA-C3A-C2A	-2.46	104.48	113.98
22	F	205	CLA	C3B-C4B-NB	2.46	112.72	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	850	CLA	C2A-C1A-CHA	-2.46	119.60	123.87
22	B	804	CLA	CHD-C4C-NC	2.46	128.04	124.23
22	5	311	CLA	C2A-C1A-CHA	-2.45	119.61	123.87
22	A	802	CLA	O2D-CGD-O1D	-2.45	119.07	123.85
29	M	101	5X6	C36-C34-C29	-2.45	106.39	110.24
22	6	304	CLA	CHB-C4A-NA	2.45	127.94	124.40
22	1	308	CLA	CHD-C4C-NC	2.45	128.04	124.23
22	B	824	CLA	O2D-CGD-O1D	-2.45	119.07	123.85
22	2	311	CLA	O2D-CGD-O1D	-2.45	119.07	123.85
22	B	836	CLA	CBC-CAC-C3C	-2.45	105.77	112.42
22	A	809	CLA	CHD-C4C-NC	2.45	128.03	124.23
22	7	313	CLA	CMC-C2C-C1C	2.45	128.87	125.03
22	3	304	CLA	C3B-C4B-NB	2.45	112.72	110.53
22	1	307	CLA	CBA-CAA-C2A	2.45	121.09	113.79
22	B	820	CLA	C2A-C1A-CHA	-2.45	119.61	123.87
29	O	208	5X6	C28-C29-C30	-2.45	115.91	121.56
22	L	203	CLA	CHD-C4C-NC	2.45	128.03	124.23
22	2	311	CLA	CMC-C2C-C1C	2.45	128.86	125.03
22	B	805	CLA	CHD-C4C-NC	2.45	128.03	124.23
22	B	809	CLA	C2A-C1A-CHA	-2.45	119.62	123.87
22	6	306	CLA	O1D-CGD-CBD	-2.45	119.69	124.52
22	2	303	CLA	CMB-C2B-C3B	2.45	132.31	126.55
22	A	848	CLA	CHD-C4C-NC	2.45	128.03	124.23
22	1	303	CLA	CHB-C4A-NA	2.45	127.93	124.40
22	A	833	CLA	C4-C3-C2	-2.45	117.34	123.63
22	A	811	CLA	C2A-C1A-CHA	-2.45	119.62	123.87
22	5	310	CLA	O2D-CGD-O1D	-2.45	119.09	123.85
22	7	311	CLA	CMA-C3A-C2A	-2.45	110.62	116.23
22	B	826	CLA	CHD-C4C-NC	2.45	128.02	124.23
22	2	303	CLA	C4-C3-C5	2.44	119.47	115.23
22	1	303	CLA	C2A-C1A-CHA	-2.44	119.62	123.87
22	B	805	CLA	CMA-C3A-C2A	-2.44	104.53	113.98
22	B	836	CLA	CHB-C4A-NA	2.44	127.93	124.40
22	A	815	CLA	C2A-C3A-C4A	-2.44	97.92	101.87
22	A	824	CLA	CHB-C4A-NA	2.44	127.93	124.40
22	7	309	CLA	O1D-CGD-CBD	-2.44	119.70	124.52
22	B	849	CLA	C4-C3-C5	2.44	119.47	115.23
25	Z	202	BCR	C16-C15-C14	2.44	128.51	123.52
22	B	825	CLA	O2A-CGA-CBA	2.44	119.28	111.83
25	J	103	BCR	C24-C23-C22	2.44	129.85	126.23
22	A	858	CLA	CHB-C4A-NA	2.44	127.92	124.40
22	7	312	CLA	O2D-CGD-O1D	-2.44	119.10	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	819	CLA	CMC-C2C-C1C	2.44	128.84	125.03
22	3	303	CLA	C2A-C1A-CHA	-2.44	119.64	123.87
29	1	311	5X6	C09-C04-C03	2.44	114.07	110.24
22	3	303	CLA	CMC-C2C-C1C	2.44	128.84	125.03
22	B	807	CLA	C4B-C3B-C2B	-2.44	104.27	107.30
22	7	311	CLA	C2A-C1A-CHA	-2.44	119.64	123.86
22	Z	201	CLA	CHB-C1B-C2B	-2.44	120.35	127.43
22	2	308	CLA	CHB-C1B-C2B	-2.44	120.36	127.43
22	A	827	CLA	C4C-C3C-C2C	-2.44	103.35	106.89
22	B	805	CLA	C2A-C1A-CHA	-2.44	119.64	123.87
22	O	203	CLA	CED-O2D-CGD	2.44	121.44	115.92
22	B	823	CLA	CMA-C3A-C4A	-2.43	105.23	111.77
22	O	203	CLA	CBC-CAC-C3C	-2.43	105.82	112.42
22	B	815	CLA	CHD-C4C-NC	2.43	128.01	124.23
25	J	103	BCR	C11-C10-C9	2.43	130.69	127.28
22	O	204	CLA	CMA-C3A-C2A	-2.43	110.65	116.23
22	7	313	CLA	O2D-CGD-O1D	-2.43	119.11	123.85
22	B	812	CLA	C4-C3-C5	2.43	119.45	115.23
22	4	304	CLA	CHB-C4A-NA	2.43	127.91	124.40
22	B	831	CLA	CMB-C2B-C3B	2.43	132.27	126.55
22	J	102	CLA	CHB-C4A-NA	2.43	127.91	124.40
29	7	317	5X6	C41-C17-C16	-2.43	114.37	118.09
29	7	314	5X6	C23-C22-C21	-2.43	115.18	119.01
22	2	306	CLA	CMC-C2C-C1C	2.43	128.83	125.03
22	A	829	CLA	C1-C2-C3	-2.43	122.83	126.76
22	B	839	CLA	C16-C15-C13	-2.43	107.89	115.97
22	A	830	CLA	C1-O2A-CGA	2.43	122.53	116.65
22	B	824	CLA	C1-C2-C3	-2.43	122.22	126.20
22	A	826	CLA	C4-C3-C5	2.43	119.44	115.23
22	A	822	CLA	CMB-C2B-C1B	2.43	129.12	125.42
22	7	312	CLA	C2A-C1A-CHA	-2.43	119.65	123.87
25	B	841	BCR	C36-C18-C17	-2.43	118.88	122.82
22	7	313	CLA	CHB-C1B-C2B	-2.43	120.38	127.43
22	B	837	CLA	O2A-CGA-O1A	-2.43	117.56	123.63
22	1	310	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
22	B	826	CLA	CHB-C4A-NA	2.43	127.90	124.40
22	B	811	CLA	CMB-C2B-C1B	2.43	129.11	125.42
22	4	309	CLA	CHB-C1B-C2B	-2.43	120.38	127.43
22	B	815	CLA	CHB-C4A-NA	2.43	127.90	124.40
22	A	837	CLA	CHD-C4C-NC	2.43	127.99	124.23
22	A	803	CLA	CHB-C4A-NA	2.42	127.90	124.40
22	3	302	CLA	CMC-C2C-C1C	2.42	128.82	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	859	CLA	C1-C2-C3	-2.42	122.23	126.20
22	7	312	CLA	CHB-C1B-C2B	-2.42	120.40	127.43
22	5	303	CLA	CHD-C4C-NC	2.42	127.99	124.23
22	A	823	CLA	O2A-CGA-O1A	-2.42	117.57	123.63
22	7	311	CLA	CHD-C4C-NC	2.42	127.98	124.23
22	B	816	CLA	C7-C6-C5	-2.42	106.81	113.26
22	B	810	CLA	C2A-C1A-CHA	-2.42	119.67	123.87
22	4	312	CLA	CHD-C4C-NC	2.42	127.98	124.23
22	A	813	CLA	CHD-C4C-NC	2.42	127.98	124.23
22	O	205	CLA	CED-O2D-CGD	2.42	121.40	115.92
22	B	801	CLA	CMC-C2C-C1C	2.42	128.81	125.03
22	J	102	CLA	C2A-C1A-CHA	-2.41	119.68	123.87
22	2	307	CLA	C2A-C1A-CHA	-2.41	119.68	123.87
21	A	801	CL0	O2A-CGA-CBA	2.41	119.20	111.83
22	B	826	CLA	CMC-C2C-C1C	2.41	128.81	125.03
22	A	827	CLA	C1-C2-C3	-2.41	122.24	126.20
22	K	102	CLA	C2A-C1A-CHA	-2.41	119.68	123.87
22	B	837	CLA	CED-O2D-CGD	2.41	121.39	115.92
22	7	306	CLA	CHD-C4C-NC	2.41	127.97	124.23
22	6	313	CLA	O2D-CGD-O1D	-2.41	119.15	123.85
22	A	824	CLA	C2A-C1A-CHA	-2.41	119.69	123.87
22	A	821	CLA	CHB-C4A-NA	2.41	127.88	124.40
22	A	829	CLA	CAA-C2A-C3A	-2.41	106.49	113.00
22	B	838	CLA	C2A-C1A-CHA	-2.41	119.69	123.87
22	2	304	CLA	C2A-C1A-CHA	-2.41	119.69	123.87
25	B	844	BCR	C35-C13-C14	-2.40	118.92	122.82
22	A	836	CLA	C4-C3-C2	-2.40	117.46	123.63
22	A	829	CLA	O1D-CGD-CBD	-2.40	119.78	124.52
22	B	807	CLA	CAA-C2A-C3A	-2.40	106.51	113.00
22	5	305	CLA	O2D-CGD-O1D	-2.40	119.17	123.85
22	O	205	CLA	C3B-C4B-NB	2.40	112.67	110.53
22	B	801	CLA	C6-C7-C8	-2.40	107.99	115.97
22	A	809	CLA	O1D-CGD-CBD	-2.40	119.78	124.52
22	5	304	CLA	C4-C3-C2	-2.40	117.46	123.63
29	4	315	5X6	C09-C04-C03	2.40	114.00	110.24
29	2	312	5X6	C25-C24-C23	-2.40	116.25	123.20
22	3	305	CLA	C1-O2A-CGA	2.40	122.45	116.65
29	Z	206	5X6	C28-C29-C30	-2.40	116.04	121.56
22	B	808	CLA	CMA-C3A-C2A	-2.40	104.72	113.98
22	6	314	CLA	O2D-CGD-O1D	-2.40	119.19	123.85
31	1	315	RRX	C35-C13-C14	-2.40	118.94	122.82
22	4	308	CLA	CBC-CAC-C3C	-2.40	105.93	112.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	862	BCR	C16-C15-C14	2.40	128.42	123.52
22	B	839	CLA	CHD-C4C-NC	2.40	127.94	124.23
25	A	844	BCR	C35-C13-C14	-2.39	118.94	122.82
22	F	205	CLA	C2A-C1A-CHA	-2.39	119.71	123.87
22	A	808	CLA	CHB-C1B-C2B	-2.39	120.47	127.43
22	6	305	CLA	C1-C2-C3	-2.39	122.28	126.20
22	B	817	CLA	C4B-C3B-C2B	-2.39	104.33	107.30
25	Z	202	BCR	C15-C16-C17	2.39	128.41	123.52
22	6	314	CLA	CMC-C2C-C1C	2.39	128.77	125.03
22	2	309	CLA	O2D-CGD-O1D	-2.39	119.19	123.85
22	B	833	CLA	CHB-C1B-C2B	-2.39	120.48	127.43
22	4	303	CLA	CMB-C2B-C1B	2.39	129.06	125.42
22	4	309	CLA	C2A-C1A-CHA	-2.39	119.72	123.87
29	O	208	5X6	C38-C30-C31	-2.39	110.03	114.42
22	A	836	CLA	CHB-C4A-NA	2.39	127.85	124.40
22	B	830	CLA	O2A-CGA-CBA	2.39	119.12	111.83
22	Z	204	CLA	O2A-CGA-CBA	2.39	119.12	111.83
22	A	859	CLA	CHD-C4C-NC	2.39	127.94	124.23
22	A	813	CLA	CMB-C2B-C3B	2.39	132.17	126.55
25	A	843	BCR	C36-C18-C17	-2.39	118.95	122.82
22	2	306	CLA	CHB-C1B-C2B	-2.39	120.50	127.43
22	A	804	CLA	O2A-C1-C2	2.39	117.30	108.11
22	A	836	CLA	C4A-NA-C1A	-2.39	105.59	106.68
22	4	312	CLA	CBC-CAC-C3C	-2.39	105.95	112.42
22	6	314	CLA	CHB-C4A-NA	2.39	127.84	124.40
22	5	302	CLA	CMA-C3A-C2A	-2.38	104.76	113.98
31	6	318	RRX	C16-C15-C14	2.38	128.40	123.52
25	L	201	BCR	C16-C17-C18	2.38	130.62	127.28
22	5	311	CLA	CMC-C2C-C1C	2.38	128.76	125.03
22	B	815	CLA	O2A-CGA-O1A	-2.38	117.67	123.63
22	B	817	CLA	CMB-C2B-C1B	2.38	129.05	125.42
22	B	838	CLA	CMC-C2C-C1C	2.38	128.76	125.03
22	1	303	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
22	6	310	CLA	C1-O2A-CGA	2.38	122.41	116.65
25	B	841	BCR	C15-C14-C13	2.38	130.62	127.28
31	6	318	RRX	C2-C1-C6	2.38	113.90	110.44
22	A	837	CLA	CMB-C2B-C1B	2.38	129.04	125.42
29	4	314	5X6	C12-C13-C14	-2.38	115.27	119.01
22	B	810	CLA	CBC-CAC-C3C	-2.38	105.97	112.42
28	B	845	DGD	O1G-C1A-C2A	2.38	119.08	111.83
22	4	311	CLA	CAA-C2A-C3A	-2.38	106.58	113.00
31	1	315	RRX	C36-C18-C17	-2.38	118.97	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	6	317	5X6	C42-C13-C12	-2.38	114.46	118.09
22	A	848	CLA	C2A-C1A-CHA	-2.38	119.74	123.87
25	L	202	BCR	C15-C16-C17	2.37	128.38	123.52
22	J	102	CLA	CHB-C1B-C2B	-2.37	120.53	127.43
22	A	826	CLA	O2D-CGD-O1D	-2.37	119.23	123.85
22	B	810	CLA	C4-C3-C5	2.37	119.35	115.23
22	5	307	CLA	CMB-C2B-C3B	2.37	132.13	126.55
22	3	304	CLA	O2D-CGD-O1D	-2.37	119.23	123.85
22	B	838	CLA	O2A-CGA-CBA	2.37	119.07	111.83
25	A	844	BCR	C36-C18-C17	-2.37	118.97	122.82
22	A	802	CLA	CHD-C4C-NC	2.37	127.91	124.23
22	4	307	CLA	CAA-C2A-C3A	-2.37	106.60	113.00
22	A	834	CLA	CMB-C2B-C1B	2.37	129.02	125.42
22	B	838	CLA	C11-C10-C8	-2.37	108.10	115.97
22	4	304	CLA	C2A-C1A-CHA	-2.37	119.76	123.87
30	F	202	LMT	C3'-C4'-C5'	2.36	116.17	110.93
22	A	857	CLA	CHA-C1A-NA	-2.36	121.04	126.39
22	A	839	CLA	CHB-C4A-NA	2.36	127.81	124.40
22	A	810	CLA	O2A-CGA-O1A	-2.36	117.71	123.63
22	B	826	CLA	O2A-CGA-O1A	-2.36	117.72	123.63
22	A	809	CLA	O2A-CGA-O1A	-2.36	117.72	123.63
22	5	304	CLA	O2A-CGA-CBA	2.36	119.04	111.83
22	4	302	CLA	CHD-C4C-NC	2.36	127.89	124.23
22	5	308	CLA	CHB-C1B-C2B	-2.36	120.57	127.43
22	4	308	CLA	CHB-C4A-NA	2.36	127.81	124.40
22	A	827	CLA	CHD-C4C-NC	2.36	127.89	124.23
22	4	309	CLA	O2A-CGA-CBA	2.36	119.04	111.83
22	B	835	CLA	CMB-C2B-C3B	2.36	132.10	126.55
22	B	839	CLA	O2D-CGD-O1D	-2.36	119.25	123.85
22	A	833	CLA	CAA-C2A-C3A	-2.36	106.62	113.00
22	F	204	CLA	CMB-C2B-C1B	2.36	129.01	125.42
22	A	808	CLA	O2A-CGA-O1A	-2.36	117.72	123.63
22	6	305	CLA	C2A-C1A-CHA	-2.36	119.77	123.87
22	7	307	CLA	CHB-C1B-C2B	-2.36	120.58	127.43
22	J	102	CLA	CHC-C1C-NC	2.36	127.86	124.31
22	L	205	CLA	CHB-C1B-C2B	-2.36	120.58	127.43
22	4	307	CLA	CHB-C4A-NA	2.36	127.80	124.40
22	3	304	CLA	C2A-C1A-CHA	-2.36	119.78	123.87
22	4	303	CLA	CHC-C1C-C2C	-2.36	120.25	126.95
22	6	309	CLA	C4B-C3B-C2B	-2.36	104.37	107.30
22	1	305	CLA	CHD-C4C-NC	2.36	127.89	124.23
22	O	206	CLA	C4-C3-C5	2.36	119.32	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	2	310	CLA	C2A-C1A-CHA	-2.36	119.78	123.87
22	6	311	CLA	CMB-C2B-C3B	2.36	132.09	126.55
22	K	101	CLA	CHD-C4C-NC	2.36	127.89	124.23
22	1	302	CLA	C4-C3-C5	2.36	119.32	115.23
22	B	803	CLA	C4-C3-C5	2.36	119.32	115.23
22	A	837	CLA	C2A-C1A-CHA	-2.36	119.78	123.87
22	7	308	CLA	C2A-C1A-CHA	-2.36	119.78	123.87
22	A	838	CLA	C4A-NA-C1A	-2.35	105.61	106.68
22	A	834	CLA	C3B-C4B-NB	2.35	112.63	110.53
22	3	304	CLA	CHB-C1B-C2B	-2.35	120.60	127.43
25	B	843	BCR	C35-C13-C14	-2.35	119.01	122.82
22	2	308	CLA	C4-C3-C5	2.35	119.31	115.23
22	6	311	CLA	CHD-C4C-NC	2.35	127.88	124.23
22	1	305	CLA	C3B-C4B-NB	2.35	112.63	110.53
22	6	303	CLA	C2A-C1A-CHA	-2.35	119.79	123.87
22	B	826	CLA	C1-C2-C3	-2.35	122.35	126.20
22	B	806	CLA	O2A-CGA-CBA	2.35	118.99	111.83
22	A	818	CLA	O1D-CGD-CBD	-2.35	119.89	124.52
22	J	102	CLA	O2D-CGD-O1D	-2.35	119.28	123.85
22	5	310	CLA	CMB-C2B-C3B	2.35	132.07	126.55
22	7	307	CLA	CHB-C4A-NA	2.35	127.79	124.40
29	2	314	5X6	C01-C02-C07	-2.35	110.11	114.42
22	B	803	CLA	C1-O2A-CGA	2.35	122.33	116.65
22	A	832	CLA	CHB-C1B-C2B	-2.34	120.62	127.43
22	B	820	CLA	CHB-C4A-NA	2.34	127.78	124.40
22	B	811	CLA	CHC-C1C-NC	2.34	127.84	124.31
22	6	309	CLA	CHD-C4C-NC	2.34	127.86	124.23
22	5	310	CLA	CHB-C4A-NA	2.34	127.78	124.40
22	L	205	CLA	C2A-C1A-CHA	-2.34	119.80	123.87
29	B	851	5X6	C34-C29-C30	2.34	125.83	122.64
22	7	310	CLA	CMC-C2C-C1C	2.34	128.69	125.03
22	A	834	CLA	O2D-CGD-O1D	-2.34	119.29	123.85
29	1	311	5X6	C42-C13-C14	-2.34	119.02	122.82
22	6	308	CLA	CHB-C1B-C2B	-2.34	120.63	127.43
22	2	310	CLA	CHB-C1B-C2B	-2.34	120.63	127.43
22	A	833	CLA	CHD-C4C-NC	2.34	127.86	124.23
25	Z	202	BCR	C7-C8-C9	2.34	129.70	126.23
22	F	206	CLA	O2D-CGD-O1D	-2.34	119.29	123.85
22	A	802	CLA	CBC-CAC-C3C	-2.34	106.08	112.42
22	1	302	CLA	C2A-C1A-CHA	-2.34	119.81	123.87
22	B	812	CLA	CHB-C1B-C2B	-2.34	120.64	127.43
22	4	310	CLA	CMB-C2B-C1B	2.34	128.98	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	7	303	CLA	O1D-CGD-CBD	-2.34	119.91	124.52
22	A	824	CLA	O2A-CGA-CBA	2.34	118.96	111.83
22	2	303	CLA	CHB-C4A-NA	2.34	127.77	124.40
22	6	310	CLA	CHD-C4C-NC	2.34	127.86	124.23
25	A	844	BCR	C30-C25-C24	2.34	121.99	115.65
22	A	837	CLA	C4-C3-C5	2.34	119.28	115.23
22	2	308	CLA	O2D-CGD-O1D	-2.34	119.30	123.85
22	7	310	CLA	CMA-C3A-C2A	-2.34	110.87	116.23
22	5	302	CLA	O2D-CGD-O1D	-2.34	119.30	123.85
22	O	206	CLA	CHD-C4C-NC	2.34	127.85	124.23
25	Z	205	BCR	C35-C13-C14	-2.34	119.03	122.82
29	O	208	5X6	C01-C02-C07	-2.33	110.13	114.42
22	5	301	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
22	B	807	CLA	CHB-C1B-C2B	-2.33	120.65	127.43
21	A	801	CL0	CMB-C2B-C3B	2.33	129.34	124.68
22	6	308	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
25	F	201	BCR	C11-C10-C9	2.33	130.55	127.28
22	B	828	CLA	C4A-NA-C1A	-2.33	105.61	106.68
29	B	851	5X6	C35-C34-C29	2.33	113.90	110.24
22	4	303	CLA	O2A-CGA-O1A	-2.33	117.80	123.63
22	6	313	CLA	CHD-C4C-NC	2.33	127.85	124.23
22	7	304	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
22	B	816	CLA	CAA-C2A-C3A	-2.33	106.70	113.00
22	A	814	CLA	O2A-CGA-CBA	2.33	121.37	114.00
22	2	304	CLA	CBC-CAC-C3C	-2.33	106.10	112.42
22	5	308	CLA	CHD-C4C-NC	2.33	127.84	124.23
22	A	825	CLA	CHB-C4A-NA	2.33	127.76	124.40
22	B	805	CLA	C11-C10-C8	-2.33	108.22	115.97
29	2	314	5X6	C12-C13-C14	-2.33	115.34	119.01
22	B	817	CLA	C1-C2-C3	-2.33	122.38	126.20
22	A	813	CLA	CAA-C2A-C1A	-2.33	106.99	112.14
22	J	102	CLA	CMC-C2C-C1C	2.33	128.67	125.03
22	O	205	CLA	CHB-C1B-C2B	-2.33	120.67	127.43
22	O	204	CLA	C2A-C1A-CHA	-2.33	119.83	123.86
22	B	819	CLA	CHB-C4A-NA	2.33	127.76	124.40
22	K	102	CLA	O2D-CGD-O1D	-2.33	119.32	123.85
22	2	309	CLA	C2A-C1A-CHA	-2.32	119.84	123.86
22	5	305	CLA	CHB-C1B-C2B	-2.32	120.69	127.43
22	6	308	CLA	C2A-C1A-CHA	-2.32	119.84	123.87
22	B	838	CLA	CHD-C4C-NC	2.32	127.83	124.23
25	L	201	BCR	C30-C25-C24	2.32	121.94	115.65
22	5	307	CLA	C1-C2-C3	-2.32	122.39	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
29	1	314	5X6	C14-C15-C16	-2.32	116.48	123.20
22	B	816	CLA	CHD-C4C-NC	2.32	127.83	124.23
22	A	834	CLA	CHB-C1B-C2B	-2.32	120.70	127.43
22	B	815	CLA	C4-C3-C5	2.32	119.25	115.23
22	B	835	CLA	C4B-C3B-C2B	-2.32	104.42	107.30
22	A	804	CLA	C1-C2-C3	-2.32	122.40	126.20
22	6	312	CLA	CMB-C2B-C1B	2.32	128.95	125.42
22	3	302	CLA	C2A-C1A-CHA	-2.32	119.85	123.87
22	B	815	CLA	C1-C2-C3	-2.32	122.40	126.20
22	7	311	CLA	CHB-C1B-C2B	-2.32	120.70	127.43
31	5	322	RRX	C16-C15-C14	2.32	128.26	123.52
22	L	205	CLA	CHD-C4C-NC	2.32	127.82	124.23
22	B	823	CLA	CED-O2D-CGD	2.31	121.17	115.92
22	4	306	CLA	CHB-C1B-C2B	-2.31	120.71	127.43
22	Z	204	CLA	C4-C3-C2	-2.31	117.69	123.63
22	2	307	CLA	CHB-C4A-NA	2.31	127.74	124.40
22	B	823	CLA	CHB-C1B-C2B	-2.31	120.72	127.43
22	2	304	CLA	CHC-C1C-NC	2.31	127.79	124.31
22	B	830	CLA	CHB-C4A-NA	2.31	127.73	124.40
22	B	803	CLA	CHD-C4C-NC	2.31	127.81	124.23
29	2	312	5X6	C41-C17-C16	-2.31	114.56	118.09
22	B	838	CLA	C1-C2-C3	-2.31	122.42	126.20
22	4	308	CLA	O2D-CGD-O1D	-2.31	119.36	123.85
22	F	206	CLA	CHB-C4A-NA	2.31	127.73	124.40
22	A	825	CLA	C1-C2-C3	-2.31	122.42	126.20
22	4	312	CLA	C3B-C4B-NB	2.31	112.59	110.53
22	A	820	CLA	O2A-CGA-CBA	2.31	118.87	111.83
22	B	821	CLA	C4B-C3B-C2B	-2.31	104.43	107.30
22	B	816	CLA	C6-C5-C3	2.31	119.09	113.47
22	B	831	CLA	CBC-CAC-C3C	-2.31	106.17	112.42
22	B	826	CLA	OBD-CAD-C3D	-2.31	123.02	128.42
22	B	809	CLA	C4A-NA-C1A	-2.31	105.63	106.68
28	B	845	DGD	C1D-C2D-C3D	2.31	114.86	110.01
22	L	204	CLA	CMB-C2B-C1B	2.30	128.93	125.42
22	6	305	CLA	C1-O2A-CGA	2.30	122.23	116.65
22	Z	201	CLA	C3B-C4B-NB	2.30	112.59	110.53
22	A	812	CLA	O2D-CGD-O1D	-2.30	119.36	123.85
22	3	305	CLA	O2D-CGD-O1D	-2.30	119.36	123.85
22	7	307	CLA	O2D-CGD-O1D	-2.30	119.36	123.85
22	O	203	CLA	C2A-C1A-CHA	-2.30	119.87	123.87
25	B	844	BCR	C10-C11-C12	2.30	129.87	123.20
22	A	818	CLA	CHB-C4A-NA	2.30	127.72	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	311	CLA	C2A-C1A-CHA	-2.30	119.88	123.87
22	O	205	CLA	C1-O2A-CGA	2.30	122.22	116.65
22	B	818	CLA	CAA-C2A-C3A	-2.30	106.79	113.00
22	B	821	CLA	C2A-C1A-CHA	-2.30	119.88	123.87
22	7	305	CLA	CHB-C1B-C2B	-2.30	120.76	127.43
22	5	309	CLA	CHC-C1C-NC	2.30	127.77	124.31
22	B	802	CLA	CHB-C4A-NA	2.30	127.72	124.40
22	A	822	CLA	O2A-CGA-O1A	-2.30	117.88	123.63
22	B	832	CLA	CAA-CBA-CGA	-2.30	106.69	113.21
22	1	304	CLA	C2A-C1A-CHA	-2.30	119.88	123.87
22	6	305	CLA	CBC-CAC-C3C	-2.30	106.20	112.42
22	A	802	CLA	CHB-C4A-NA	2.30	127.71	124.40
22	A	828	CLA	O1D-CGD-CBD	-2.30	119.99	124.52
22	2	308	CLA	O1D-CGD-CBD	-2.30	119.99	124.52
22	6	309	CLA	CHB-C4A-NA	2.30	127.71	124.40
22	1	302	CLA	O2D-CGD-O1D	-2.29	119.38	123.85
22	B	817	CLA	CHB-C1B-C2B	-2.29	120.77	127.43
22	1	303	CLA	CHC-C1C-NC	2.29	127.76	124.31
22	B	824	CLA	O1D-CGD-CBD	-2.29	120.00	124.52
22	5	303	CLA	C2A-C1A-CHA	-2.29	119.89	123.87
22	4	312	CLA	CAA-C2A-C3A	-2.29	106.81	113.00
22	O	204	CLA	C3B-C4B-NB	2.29	112.57	110.53
22	B	822	CLA	C2A-C1A-CHA	-2.29	119.89	123.87
22	4	311	CLA	CMC-C2C-C1C	2.29	128.61	125.03
22	A	832	CLA	CAA-C2A-C3A	-2.29	106.81	113.00
22	5	301	CLA	O2A-CGA-CBA	2.29	121.23	114.00
22	A	838	CLA	CMA-C3A-C2A	-2.29	105.14	113.98
25	B	841	BCR	C1-C6-C7	2.29	121.85	115.65
22	A	829	CLA	O2D-CGD-O1D	-2.29	119.40	123.85
22	A	808	CLA	CHD-C4C-NC	2.29	127.78	124.23
22	K	101	CLA	CMC-C2C-C1C	2.29	128.61	125.03
29	4	314	5X6	C14-C15-C16	-2.29	116.58	123.20
22	A	858	CLA	CMB-C2B-C3B	2.29	131.93	126.55
22	B	808	CLA	O1D-CGD-CBD	-2.29	120.01	124.52
22	O	204	CLA	CHB-C1B-C2B	-2.29	120.79	127.43
22	2	307	CLA	C3B-C4B-NB	2.29	112.57	110.53
22	A	835	CLA	C2A-C1A-CHA	-2.28	119.91	123.87
25	A	844	BCR	C4-C5-C6	-2.28	119.62	122.70
22	1	303	CLA	O2A-CGA-CBA	2.28	118.79	111.83
22	B	802	CLA	CAA-C2A-C3A	-2.28	106.84	113.00
22	6	312	CLA	CHB-C4A-NA	2.28	127.69	124.40
22	3	301	CLA	C1-O2A-CGA	2.28	122.17	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	825	CLA	C4A-NA-C1A	-2.28	105.64	106.68
22	B	832	CLA	C6-C7-C8	-2.28	108.39	115.97
22	6	313	CLA	CHB-C4A-NA	2.28	127.69	124.40
22	4	302	CLA	C2A-C1A-CHA	-2.28	119.91	123.87
25	Z	205	BCR	C16-C15-C14	2.28	128.18	123.52
22	A	803	CLA	CAA-CBA-CGA	-2.28	106.74	113.21
22	B	814	CLA	CHB-C4A-NA	2.28	127.69	124.40
22	2	311	CLA	CHB-C4A-NA	2.28	127.69	124.40
22	5	302	CLA	CHB-C4A-NA	2.28	127.69	124.40
29	4	314	5X6	C41-C17-C16	-2.28	114.61	118.09
22	A	838	CLA	OBD-CAD-C3D	-2.28	123.09	128.42
22	4	307	CLA	CHB-C1B-C2B	-2.28	120.82	127.43
22	1	307	CLA	CHD-C4C-NC	2.28	127.76	124.23
22	B	830	CLA	C2A-C1A-CHA	-2.27	119.92	123.87
22	4	304	CLA	CHD-C4C-NC	2.27	127.76	124.23
22	A	820	CLA	O1D-CGD-CBD	-2.27	120.03	124.52
22	A	813	CLA	CHB-C4A-NA	2.27	127.68	124.40
22	B	810	CLA	O2D-CGD-O1D	-2.27	119.42	123.85
22	A	803	CLA	CED-O2D-CGD	2.27	121.07	115.92
31	1	315	RRX	C37-C22-C23	2.27	121.56	118.09
22	B	834	CLA	C4-C3-C5	2.27	118.80	116.13
29	5	321	5X6	C35-C34-C29	2.27	113.81	110.24
22	7	311	CLA	CAA-C2A-C3A	-2.27	111.02	116.23
22	1	309	CLA	C2A-C1A-CHA	-2.27	119.92	123.87
22	A	820	CLA	CAA-C2A-C3A	2.27	119.14	113.00
31	6	318	RRX	C15-C14-C13	2.27	130.47	127.28
22	B	820	CLA	CHB-C1B-C2B	-2.27	120.83	127.43
22	B	811	CLA	CAA-C2A-C3A	-2.27	106.86	113.00
25	L	202	BCR	C35-C13-C14	-2.27	119.14	122.82
22	B	818	CLA	O2A-CGA-O1A	-2.27	117.94	123.63
22	B	808	CLA	CHD-C4C-NC	2.27	127.75	124.23
22	A	827	CLA	C2A-C1A-CHA	-2.27	119.93	123.87
22	3	304	CLA	CED-O2D-CGD	2.27	121.07	115.92
21	A	801	CL0	C3D-C4D-CHA	2.27	111.99	108.54
22	1	304	CLA	CHB-C4A-NA	2.27	127.68	124.40
22	K	102	CLA	CHD-C4C-NC	2.27	127.75	124.23
22	B	810	CLA	O2A-CGA-CBA	2.27	118.76	111.83
22	A	858	CLA	C11-C10-C8	-2.27	108.42	115.97
22	B	814	CLA	C4-C3-C5	2.27	119.17	115.23
22	1	305	CLA	CHB-C1B-C2B	-2.27	120.84	127.43
22	4	303	CLA	CAA-C2A-C3A	-2.27	106.87	113.00
25	B	844	BCR	C20-C21-C22	2.27	130.46	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	832	CLA	O2A-CGA-CBA	2.27	118.75	111.83
22	5	311	CLA	CHD-C4C-NC	2.27	127.75	124.23
29	7	315	5X6	C04-C03-C02	-2.27	119.54	122.64
22	B	834	CLA	C2A-C1A-CHA	-2.27	119.93	123.87
22	L	203	CLA	CMC-C2C-C1C	2.27	128.58	125.03
22	2	309	CLA	CHB-C1B-C2B	-2.27	120.85	127.43
22	6	311	CLA	C2A-C1A-CHA	-2.27	119.94	123.86
22	7	313	CLA	CHB-C4A-NA	2.27	127.67	124.40
22	A	816	CLA	C4B-C3B-C2B	-2.26	104.49	107.30
22	2	311	CLA	CMB-C2B-C1B	2.26	128.87	125.42
22	B	814	CLA	CAA-C2A-C3A	-2.26	106.88	113.00
22	2	311	CLA	C2A-C1A-CHA	-2.26	119.94	123.87
22	1	310	CLA	CHB-C1B-C2B	-2.26	120.86	127.43
29	1	313	5X6	C38-C30-C31	-2.26	110.26	114.42
25	A	861	BCR	C36-C18-C17	-2.26	119.15	122.82
22	A	824	CLA	CMC-C2C-C1C	2.26	128.57	125.03
22	B	826	CLA	CBC-CAC-C3C	-2.26	106.29	112.42
22	O	206	CLA	CHB-C4A-NA	2.26	127.66	124.40
22	A	859	CLA	CBC-CAC-C3C	-2.26	106.29	112.42
29	6	317	5X6	C11-C03-C02	-2.26	116.35	121.56
22	3	303	CLA	CED-O2D-CGD	2.26	121.05	115.92
22	A	818	CLA	C4-C3-C5	2.26	119.15	115.23
22	A	820	CLA	C1-O2A-CGA	2.26	122.12	116.65
22	J	102	CLA	CMB-C2B-C1B	2.26	128.86	125.42
22	1	308	CLA	CHB-C4A-NA	2.26	127.66	124.40
22	A	804	CLA	CMC-C2C-C1C	2.26	128.56	125.03
22	A	806	CLA	C2A-C1A-CHA	-2.26	119.95	123.87
22	B	804	CLA	CBC-CAC-C3C	-2.26	106.30	112.42
22	3	304	CLA	CHB-C4A-NA	2.26	127.66	124.40
22	A	806	CLA	CMA-C3A-C2A	-2.26	105.26	113.98
25	1	301	BCR	C15-C16-C17	2.26	128.13	123.52
22	4	312	CLA	O1D-CGD-CBD	-2.25	120.07	124.52
29	6	315	5X6	C41-C17-C16	-2.25	114.65	118.09
25	A	846	BCR	C19-C18-C17	2.25	122.55	119.01
29	O	207	5X6	C10-C04-C03	2.25	113.78	110.24
22	4	310	CLA	CAA-C2A-C1A	2.25	117.13	112.14
22	F	204	CLA	C2A-C1A-CHA	-2.25	119.96	123.87
22	2	302	CLA	CHB-C1B-C2B	-2.25	120.89	127.43
25	5	315	BCR	C16-C15-C14	2.25	128.13	123.52
22	2	305	CLA	CHB-C1B-C2B	-2.25	120.89	127.43
22	3	303	CLA	CHB-C1B-C2B	-2.25	120.89	127.43
31	1	315	RRX	C1-C6-C7	2.25	121.75	115.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	6	311	CLA	CHB-C4A-NA	2.25	127.65	124.40
22	6	307	CLA	O2D-CGD-O1D	-2.25	119.47	123.85
22	A	814	CLA	C3B-C4B-NB	2.25	112.54	110.53
22	7	310	CLA	CHB-C1B-C2B	-2.25	120.90	127.43
22	A	818	CLA	C2A-C1A-CHA	-2.25	119.97	123.87
29	3	306	5X6	C28-C29-C30	-2.25	116.38	121.56
22	A	803	CLA	CHD-C4C-NC	2.25	127.72	124.23
22	B	805	CLA	CMB-C2B-C3B	2.25	131.84	126.55
22	5	301	CLA	CHB-C1B-C2B	-2.25	120.91	127.43
22	A	802	CLA	O2A-CGA-CBA	2.25	118.68	111.83
22	5	311	CLA	O1D-CGD-CBD	-2.25	120.09	124.52
25	A	843	BCR	C35-C13-C14	-2.24	119.18	122.82
22	2	305	CLA	CHD-C4C-NC	2.24	127.71	124.23
22	7	304	CLA	C1-O2A-CGA	2.24	122.08	116.65
22	A	808	CLA	C5-C3-C2	-2.24	116.13	121.17
22	B	832	CLA	CHB-C4A-NA	2.24	127.64	124.40
22	A	829	CLA	CHB-C1B-C2B	-2.24	120.92	127.43
22	1	308	CLA	CMC-C2C-C1C	2.24	128.54	125.03
22	1	310	CLA	O1D-CGD-CBD	-2.24	120.09	124.52
22	3	302	CLA	CMB-C2B-C3B	2.24	131.82	126.55
29	5	313	5X6	C40-C22-C23	-2.24	114.67	118.09
22	A	829	CLA	C5-C3-C4	2.24	119.74	114.59
25	1	301	BCR	C36-C18-C17	-2.24	119.19	122.82
22	B	815	CLA	O1D-CGD-CBD	-2.24	120.10	124.52
22	A	817	CLA	CBC-CAC-C3C	-2.24	106.35	112.42
22	A	819	CLA	CHB-C1B-C2B	-2.24	120.93	127.43
22	A	822	CLA	CHB-C4A-NA	2.24	127.63	124.40
22	6	305	CLA	CHB-C4A-NA	2.24	127.63	124.40
22	B	849	CLA	C2A-C1A-CHA	-2.24	119.98	123.87
22	7	308	CLA	O2D-CGD-O1D	-2.24	119.50	123.85
22	1	306	CLA	CMA-C3A-C2A	-2.24	105.34	113.98
22	3	303	CLA	CHD-C4C-NC	2.24	127.70	124.23
22	A	802	CLA	CAA-C2A-C3A	-2.23	106.96	113.00
29	7	318	5X6	C38-C30-C31	-2.23	110.31	114.42
22	A	812	CLA	CHD-C4C-NC	2.23	127.69	124.23
22	A	857	CLA	CHB-C4A-NA	2.23	127.62	124.40
22	6	310	CLA	CHB-C4A-NA	2.23	127.62	124.40
25	B	844	BCR	C36-C18-C17	-2.23	119.20	122.82
22	A	838	CLA	CHD-C4C-NC	2.23	127.69	124.23
22	B	801	CLA	C11-C10-C8	-2.23	108.55	115.97
22	6	313	CLA	O2A-CGA-CBA	2.23	121.05	114.00
22	B	806	CLA	OBD-CAD-C3D	-2.23	123.20	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	Z	204	CLA	C6-C5-C3	2.23	118.90	113.47
22	B	835	CLA	CHD-C4C-NC	2.23	127.69	124.23
22	2	304	CLA	CMD-C2D-C3D	-2.23	122.57	127.69
22	1	309	CLA	CHB-C1B-C2B	-2.23	120.95	127.43
25	5	315	BCR	C36-C18-C17	-2.23	119.20	122.82
22	A	811	CLA	CHB-C4A-NA	2.23	127.62	124.40
22	B	806	CLA	O2D-CGD-CBD	2.23	115.13	111.23
21	A	801	CL0	C3D-C4D-ND	2.23	116.51	112.94
22	B	810	CLA	CED-O2D-CGD	2.23	120.97	115.92
22	5	302	CLA	C4-C3-C5	2.23	119.10	115.23
22	1	305	CLA	CMB-C2B-C1B	2.23	128.81	125.42
22	O	205	CLA	O2D-CGD-O1D	-2.23	119.51	123.85
22	7	310	CLA	C2A-C1A-CHA	-2.23	120.00	123.86
22	B	803	CLA	CBC-CAC-C3C	-2.23	106.39	112.42
22	A	835	CLA	CHD-C4C-NC	2.23	127.68	124.23
22	B	813	CLA	C2A-C1A-CHA	-2.22	120.01	123.87
22	F	204	CLA	C3B-C4B-NB	2.22	112.52	110.53
22	A	848	CLA	CMA-C3A-C2A	-2.22	105.38	113.98
22	B	809	CLA	CAA-C2A-C3A	-2.22	106.99	113.00
22	5	303	CLA	C6-C5-C3	2.22	118.89	113.47
22	B	828	CLA	C2A-C1A-CHA	-2.22	120.01	123.87
22	B	833	CLA	CHD-C4C-NC	2.22	127.68	124.23
22	A	822	CLA	C2A-C1A-CHA	-2.22	120.01	123.87
29	4	314	5X6	C39-C26-C27	-2.22	114.69	118.09
22	B	833	CLA	C4B-C3B-C2B	-2.22	104.54	107.30
22	O	205	CLA	CHB-C4A-NA	2.22	127.61	124.40
22	A	802	CLA	C2A-C1A-CHA	-2.22	120.01	123.87
22	B	829	CLA	CMA-C3A-C2A	-2.22	105.40	113.98
22	1	307	CLA	CMC-C2C-C1C	2.22	128.50	125.03
22	A	821	CLA	CMB-C2B-C1B	2.22	128.80	125.42
22	1	305	CLA	CBC-CAC-C3C	-2.22	106.40	112.42
22	B	820	CLA	O2A-CGA-CBA	2.22	121.01	114.00
22	B	809	CLA	C4-C3-C5	2.22	119.08	115.23
22	B	813	CLA	O2A-CGA-CBA	2.22	118.59	111.83
22	B	818	CLA	CMB-C2B-C3B	2.22	131.76	126.55
22	7	312	CLA	C3B-C4B-NB	2.21	112.51	110.53
25	Z	205	BCR	C20-C21-C22	2.21	130.38	127.28
25	A	862	BCR	C29-C30-C25	2.21	113.65	110.44
22	1	310	CLA	O2A-CGA-O1A	-2.21	118.09	123.63
22	A	830	CLA	CHD-C4C-NC	2.21	127.66	124.23
22	A	822	CLA	C1-C2-C3	-2.21	122.58	126.20
22	7	307	CLA	C2A-C1A-CHA	-2.21	120.04	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	836	CLA	CHD-C4C-NC	2.21	127.65	124.23
22	1	304	CLA	CED-O2D-CGD	2.21	120.92	115.92
22	A	812	CLA	O2A-CGA-CBA	2.21	118.56	111.83
22	2	302	CLA	CHB-C4A-NA	2.20	127.58	124.40
22	K	102	CLA	CHB-C4A-NA	2.20	127.58	124.40
22	4	304	CLA	CMB-C2B-C3B	2.20	131.73	126.55
22	B	829	CLA	CHB-C4A-NA	2.20	127.58	124.40
22	A	829	CLA	CMA-C3A-C2A	-2.20	105.47	113.98
22	5	301	CLA	CHD-C4C-NC	2.20	127.65	124.23
22	B	823	CLA	C4B-C3B-C2B	-2.20	104.56	107.30
22	B	832	CLA	C4A-NA-C1A	-2.20	105.67	106.68
29	1	313	5X6	C10-C04-C03	2.20	113.69	110.24
22	1	304	CLA	CHD-C4C-NC	2.20	127.64	124.23
22	7	307	CLA	CHD-C4C-NC	2.20	127.64	124.23
31	6	318	RRX	C11-C10-C9	2.20	130.36	127.28
22	B	828	CLA	CHD-C4C-NC	2.20	127.64	124.23
22	B	812	CLA	CMB-C2B-C1B	2.20	128.77	125.42
22	7	305	CLA	CHB-C4A-NA	2.20	127.57	124.40
29	7	317	5X6	C01-C02-C07	-2.20	110.38	114.42
25	4	316	BCR	C35-C13-C14	-2.20	119.25	122.82
22	B	831	CLA	CHD-C4C-NC	2.20	127.64	124.23
22	5	308	CLA	C2A-C1A-CHA	-2.20	120.05	123.86
22	A	805	CLA	CHD-C4C-NC	2.20	127.64	124.23
22	L	204	CLA	C4-C3-C5	2.20	119.04	115.23
22	A	804	CLA	CBC-CAC-C3C	-2.20	106.47	112.42
22	B	815	CLA	CMA-C3A-C2A	-2.20	105.49	113.98
22	A	822	CLA	C4-C3-C5	2.20	119.04	115.23
22	O	203	CLA	CHB-C4A-NA	2.20	127.57	124.40
22	A	829	CLA	C2A-C1A-CHA	-2.20	120.06	123.87
22	A	858	CLA	CHD-C4C-NC	2.20	127.64	124.23
22	5	309	CLA	CHB-C1B-C2B	-2.20	121.05	127.43
22	B	802	CLA	O2A-CGA-O1A	-2.20	118.14	123.63
22	B	807	CLA	CHD-C4C-NC	2.20	127.64	124.23
22	A	848	CLA	C4-C3-C5	2.19	119.03	115.23
22	B	805	CLA	CAA-C2A-C1A	-2.19	104.79	111.97
22	7	308	CLA	CHB-C4A-NA	2.19	127.56	124.40
22	B	849	CLA	CHD-C4C-NC	2.19	127.63	124.23
22	A	815	CLA	CAA-C2A-C3A	-2.19	107.08	113.00
22	A	837	CLA	C3B-C4B-NB	2.19	112.48	110.53
22	B	826	CLA	CMB-C2B-C3B	2.19	131.70	126.55
22	6	303	CLA	CHB-C1B-C2B	-2.19	121.07	127.43
22	3	304	CLA	CMB-C2B-C1B	2.19	128.75	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	B	828	CLA	CMB-C2B-C3B	2.19	131.69	126.55
22	B	816	CLA	CHB-C1B-C2B	-2.19	121.08	127.43
22	5	308	CLA	CHC-C1C-NC	2.19	127.60	124.31
22	A	814	CLA	CHC-C1C-NC	2.19	127.60	124.31
22	5	308	CLA	CHB-C4A-NA	2.19	127.55	124.40
30	F	202	LMT	C2'-C3'-C4'	2.19	114.64	109.68
22	7	311	CLA	CMC-C2C-C1C	2.19	128.45	125.03
22	A	819	CLA	CHB-C4A-NA	2.18	127.55	124.40
22	6	307	CLA	CHB-C1B-C2B	-2.18	121.08	127.43
25	L	206	BCR	C10-C11-C12	2.18	129.53	123.20
22	7	309	CLA	C1-C2-C3	-2.18	122.62	126.20
25	L	202	BCR	C36-C18-C17	-2.18	119.28	122.82
22	F	204	CLA	CED-O2D-CGD	2.18	120.87	115.92
22	A	858	CLA	C1-C2-C3	-2.18	122.62	126.20
22	B	806	CLA	C2A-C1A-CHA	-2.18	120.08	123.87
22	L	204	CLA	C2A-C1A-CHA	-2.18	120.08	123.87
22	B	827	CLA	CHD-C4C-NC	2.18	127.61	124.23
22	B	805	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
29	5	313	5X6	C41-C17-C16	-2.18	114.76	118.09
22	6	313	CLA	CHB-C1B-C2B	-2.18	121.10	127.43
22	6	308	CLA	O1D-CGD-CBD	-2.18	120.22	124.52
22	A	805	CLA	O2A-CGA-O1A	-2.18	118.18	123.63
22	6	314	CLA	CHD-C4C-NC	2.18	127.61	124.23
22	1	302	CLA	CHC-C1C-NC	2.18	127.59	124.31
22	A	835	CLA	CBA-CAA-C2A	-2.18	107.32	113.79
22	1	303	CLA	C1-O2A-CGA	2.18	121.92	116.65
22	A	820	CLA	CMB-C2B-C3B	2.18	131.67	126.55
25	Z	202	BCR	C2-C1-C6	2.18	113.60	110.44
22	A	820	CLA	CBC-CAC-C3C	-2.17	106.53	112.42
22	1	302	CLA	C1-C2-C3	-2.17	122.64	126.20
25	A	862	BCR	C36-C18-C17	-2.17	119.29	122.82
22	A	820	CLA	CBA-CAA-C2A	2.17	120.26	113.79
22	7	309	CLA	CAA-C2A-C3A	-2.17	107.13	113.00
29	4	315	5X6	C40-C22-C23	-2.17	114.77	118.09
25	L	206	BCR	C36-C18-C17	-2.17	119.30	122.82
29	5	321	5X6	C34-C29-C30	-2.17	119.67	122.64
25	4	316	BCR	C19-C18-C17	2.17	122.43	119.01
22	1	309	CLA	CHB-C4A-NA	2.17	127.53	124.40
22	6	308	CLA	O2A-CGA-CBA	2.17	120.86	114.00
22	B	809	CLA	CBC-CAC-C3C	-2.17	106.54	112.42
22	K	102	CLA	O1D-CGD-CBD	-2.17	120.24	124.52
22	B	810	CLA	CHD-C4C-NC	2.17	127.59	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	Z	201	CLA	CHB-C4A-NA	2.17	127.53	124.40
22	A	857	CLA	O2A-CGA-CBA	2.17	118.44	111.83
22	B	850	CLA	C4C-C3C-C2C	-2.17	103.74	106.89
22	6	308	CLA	CHB-C4A-NA	2.17	127.53	124.40
22	O	205	CLA	CBC-CAC-C3C	-2.17	106.55	112.42
22	O	203	CLA	CMB-C2B-C3B	2.17	131.65	126.55
22	7	306	CLA	C3B-C4B-NB	2.17	112.46	110.53
29	5	313	5X6	C38-C30-C31	-2.17	110.44	114.42
22	A	858	CLA	CBC-CAC-C3C	-2.17	106.55	112.42
22	A	835	CLA	CMB-C2B-C3B	2.17	131.64	126.55
22	5	305	CLA	C2A-C1A-CHA	-2.16	120.11	123.87
22	4	307	CLA	CHD-C4C-NC	2.16	127.59	124.23
22	A	838	CLA	CMB-C2B-C1B	2.16	128.72	125.42
22	2	306	CLA	CHB-C4A-NA	2.16	127.52	124.40
22	B	831	CLA	C4-C3-C5	2.16	118.98	115.23
22	A	824	CLA	CMA-C3A-C2A	-2.16	105.62	113.98
22	A	859	CLA	CAA-CBA-CGA	-2.16	107.07	113.21
22	4	306	CLA	CHD-C4C-NC	2.16	127.58	124.23
22	4	306	CLA	CHB-C4A-NA	2.16	127.52	124.40
22	6	307	CLA	C2A-C1A-CHA	-2.16	120.12	123.87
22	5	311	CLA	CMB-C2B-C3B	2.16	131.63	126.55
22	A	832	CLA	C4B-C3B-C2B	-2.16	104.62	107.30
22	L	203	CLA	CHB-C4A-NA	2.16	127.52	124.40
22	B	803	CLA	O2A-C1-C2	-2.16	99.80	108.11
22	A	828	CLA	C5-C3-C2	-2.16	116.32	121.17
22	6	304	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
22	B	819	CLA	CHD-C4C-NC	2.16	127.58	124.23
25	2	301	BCR	C37-C22-C23	2.16	121.39	118.09
22	6	311	CLA	O2D-CGD-O1D	-2.16	119.64	123.85
29	O	208	5X6	C11-C03-C02	-2.16	116.58	121.56
29	5	321	5X6	C28-C29-C30	-2.16	116.58	121.56
22	F	206	CLA	C3B-C4B-NB	2.16	112.46	110.53
22	5	307	CLA	O2D-CGD-O1D	-2.16	119.65	123.85
22	B	808	CLA	C4-C3-C5	2.16	118.97	115.23
22	1	304	CLA	O2D-CGD-O1D	-2.16	119.65	123.85
29	6	315	5X6	C28-C29-C30	-2.16	116.59	121.56
22	A	808	CLA	CHB-C4A-NA	2.16	127.51	124.40
25	A	862	BCR	C35-C13-C14	-2.15	119.33	122.82
22	B	837	CLA	C11-C10-C8	-2.15	108.80	115.97
22	A	823	CLA	C4A-NA-C1A	-2.15	105.70	106.68
22	B	850	CLA	CHB-C4A-NA	2.15	127.51	124.40
22	A	829	CLA	C4B-C3B-C2B	-2.15	104.62	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	303	CLA	CBC-CAC-C3C	-2.15	106.58	112.42
22	A	832	CLA	CED-O2D-CGD	2.15	120.80	115.92
22	7	313	CLA	C2A-C1A-CHA	-2.15	120.13	123.87
22	O	206	CLA	CMC-C2C-C1C	2.15	128.40	125.03
22	A	839	CLA	CHD-C4C-NC	2.15	127.57	124.23
22	A	835	CLA	C4A-NA-C1A	-2.15	105.70	106.68
31	6	318	RRX	C16-C17-C18	2.15	130.30	127.28
25	F	207	BCR	C36-C18-C17	-2.15	119.33	122.82
22	3	305	CLA	CED-O2D-CGD	2.15	120.80	115.92
22	3	305	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
22	B	823	CLA	CHD-C4C-NC	2.15	127.57	124.23
22	F	205	CLA	O2D-CGD-O1D	-2.15	119.66	123.85
22	B	818	CLA	C7-C6-C5	-2.15	107.53	113.26
22	B	822	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
22	A	808	CLA	C1-O2A-CGA	2.15	121.85	116.65
22	4	306	CLA	O2D-CGD-O1D	-2.15	119.67	123.85
22	3	303	CLA	CHC-C1C-NC	2.15	127.55	124.31
22	B	801	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
22	B	827	CLA	O2A-CGA-CBA	2.15	118.38	111.83
22	A	825	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
22	7	309	CLA	CHB-C4A-NA	2.15	127.50	124.40
22	B	834	CLA	CHD-C4C-NC	2.15	127.56	124.23
22	B	850	CLA	CED-O2D-CGD	2.15	120.79	115.92
22	A	807	CLA	CHA-C1A-NA	-2.15	121.53	126.39
22	B	835	CLA	CMA-C3A-C2A	-2.15	105.69	113.98
22	O	205	CLA	C5-C3-C4	2.14	119.53	114.59
22	F	206	CLA	CMB-C2B-C1B	2.14	128.69	125.42
22	A	831	CLA	CHD-C4C-NC	2.14	127.56	124.23
22	2	302	CLA	CHD-C4C-NC	2.14	127.56	124.23
22	A	831	CLA	CBC-CAC-C3C	-2.14	106.61	112.42
29	1	316	5X6	C40-C22-C23	-2.14	114.81	118.09
22	B	831	CLA	C1-C2-C3	-2.14	122.69	126.20
22	4	307	CLA	C4B-C3B-C2B	-2.14	104.64	107.30
25	5	315	BCR	C35-C13-C14	-2.14	119.35	122.82
22	5	309	CLA	CMB-C2B-C1B	2.14	128.68	125.42
22	B	825	CLA	CHD-C4C-NC	2.14	127.55	124.23
22	O	206	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
22	B	803	CLA	C2A-C1A-CHA	-2.14	120.15	123.87
22	4	310	CLA	C2A-C1A-CHA	-2.14	120.15	123.87
22	1	302	CLA	O2A-CGA-CBA	2.14	118.36	111.83
22	2	304	CLA	C5-C3-C2	-2.14	116.37	121.17
22	1	310	CLA	CHB-C4A-NA	2.14	127.48	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	2	305	CLA	O2A-CGA-CBA	2.14	118.35	111.83
22	B	832	CLA	C3B-C4B-NB	2.14	112.44	110.53
25	B	843	BCR	C16-C17-C18	2.14	130.28	127.28
22	6	305	CLA	CED-O2D-CGD	2.13	120.76	115.92
25	B	841	BCR	C2-C1-C6	2.13	113.54	110.44
22	6	306	CLA	CMB-C2B-C1B	2.13	128.67	125.42
25	I	102	BCR	C16-C15-C14	2.13	127.89	123.52
22	6	307	CLA	CHC-C1C-NC	2.13	127.52	124.31
22	B	811	CLA	CHB-C4A-NA	2.13	127.48	124.40
22	O	204	CLA	CHB-C4A-NA	2.13	127.48	124.40
22	2	306	CLA	CHC-C1C-NC	2.13	127.52	124.31
22	B	804	CLA	C6-C7-C8	-2.13	108.88	115.97
22	A	819	CLA	CHD-C4C-NC	2.13	127.54	124.23
22	B	830	CLA	CHD-C4C-NC	2.13	127.54	124.23
22	5	308	CLA	CMC-C2C-C1C	2.13	128.36	125.03
22	7	307	CLA	CED-O2D-CGD	2.13	120.75	115.92
22	A	834	CLA	CHC-C1C-NC	2.13	127.52	124.31
22	4	305	CLA	O2D-CGD-O1D	-2.13	119.70	123.85
29	3	306	5X6	C09-C04-C03	2.13	113.58	110.24
22	B	823	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
22	F	204	CLA	CAA-C2A-C3A	-2.13	107.25	113.00
22	F	205	CLA	CED-O2D-CGD	2.13	120.74	115.92
22	4	309	CLA	CMB-C2B-C1B	2.13	128.66	125.42
22	B	815	CLA	CMB-C2B-C3B	2.13	131.55	126.55
22	6	309	CLA	CED-O2D-CGD	2.13	120.74	115.92
25	B	842	BCR	C16-C17-C18	2.13	130.26	127.28
22	A	824	CLA	CHD-C4C-NC	2.13	127.53	124.23
25	B	843	BCR	C1-C6-C7	2.13	121.42	115.65
22	A	836	CLA	CMB-C2B-C1B	2.13	128.66	125.42
25	L	206	BCR	C12-C13-C14	2.13	122.35	119.01
22	6	312	CLA	CHB-C1B-C2B	-2.12	121.26	127.43
22	B	821	CLA	O1D-CGD-CBD	-2.12	120.33	124.52
22	A	859	CLA	O2A-CGA-CBA	2.12	118.31	111.83
22	L	203	CLA	CED-O2D-CGD	2.12	120.73	115.92
22	B	803	CLA	O2D-CGD-O1D	-2.12	119.72	123.85
22	B	806	CLA	CMC-C2C-C1C	2.12	128.35	125.03
29	B	851	5X6	C36-C34-C29	-2.12	106.92	110.24
22	B	831	CLA	CBA-CAA-C2A	2.12	120.11	113.79
22	B	819	CLA	O2A-CGA-CBA	2.12	118.31	111.83
22	B	818	CLA	CHB-C4A-NA	2.12	127.46	124.40
22	2	311	CLA	O2A-CGA-CBA	2.12	120.70	114.00
22	2	309	CLA	CED-O2D-CGD	2.12	120.73	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	A	862	BCR	C16-C17-C18	2.12	130.25	127.28
29	1	316	5X6	C06-C07-C02	2.12	117.46	112.18
22	6	310	CLA	CHB-C1B-C2B	-2.12	121.27	127.43
22	6	305	CLA	O2A-CGA-CBA	2.12	118.30	111.83
29	2	312	5X6	C28-C29-C30	-2.12	116.67	121.56
22	F	205	CLA	CHC-C1C-NC	2.12	127.50	124.31
22	5	307	CLA	CHB-C4A-NA	2.12	127.46	124.40
22	A	833	CLA	C5-C3-C2	2.12	125.92	121.17
22	B	804	CLA	CMB-C2B-C1B	2.12	128.64	125.42
22	B	814	CLA	CMA-C3A-C2A	-2.12	105.80	113.98
22	6	304	CLA	CMA-C3A-C2A	-2.12	105.80	113.98
22	6	308	CLA	C3B-C4B-NB	2.11	112.42	110.53
22	A	826	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
22	A	804	CLA	C2A-C1A-CHA	-2.11	120.20	123.87
22	B	833	CLA	C2A-C1A-CHA	-2.11	120.20	123.87
22	4	304	CLA	CHB-C1B-C2B	-2.11	121.29	127.43
22	L	204	CLA	CHB-C4A-NA	2.11	127.45	124.40
25	J	103	BCR	C15-C14-C13	2.11	130.24	127.28
22	5	304	CLA	CHB-C4A-NA	2.11	127.45	124.40
22	K	102	CLA	CMB-C2B-C1B	2.11	128.63	125.42
22	L	205	CLA	CHB-C4A-NA	2.11	127.45	124.40
22	4	311	CLA	CMB-C2B-C1B	2.11	128.63	125.42
25	5	315	BCR	C15-C14-C13	2.11	130.24	127.28
22	A	827	CLA	CMB-C2B-C3B	2.11	131.51	126.55
22	5	305	CLA	CHC-C1C-NC	2.11	127.49	124.31
22	B	819	CLA	CMC-C2C-C1C	2.11	128.33	125.03
25	A	845	BCR	C15-C16-C17	2.11	127.83	123.52
22	B	849	CLA	CAA-C2A-C1A	-2.11	105.06	111.97
22	5	310	CLA	CHD-C4C-NC	2.11	127.50	124.23
22	1	302	CLA	CHB-C1B-C2B	-2.11	121.31	127.43
22	B	820	CLA	CBC-CAC-C3C	-2.11	106.71	112.42
22	A	806	CLA	C4-C3-C5	2.11	118.89	115.23
22	4	311	CLA	CHB-C4A-NA	2.11	127.44	124.40
22	B	824	CLA	CHA-C1A-NA	-2.11	121.62	126.39
22	B	816	CLA	CHB-C4A-NA	2.11	127.44	124.40
22	5	309	CLA	O2D-CGD-O1D	-2.11	119.75	123.85
22	2	308	CLA	C1-C2-C3	-2.11	122.75	126.20
22	B	837	CLA	C1-O2A-CGA	2.11	121.75	116.65
22	A	804	CLA	CMA-C3A-C2A	-2.10	105.84	113.98
22	7	313	CLA	CED-O2D-CGD	2.10	120.69	115.92
22	A	804	CLA	O2D-CGD-O1D	-2.10	119.75	123.85
22	4	304	CLA	C1-O2A-CGA	2.10	121.74	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	6	307	CLA	CMB-C2B-C1B	2.10	128.62	125.42
22	2	306	CLA	CED-O2D-CGD	2.10	120.69	115.92
22	F	204	CLA	CHB-C1B-C2B	-2.10	121.32	127.43
22	4	302	CLA	CHB-C4A-NA	2.10	127.43	124.40
22	B	803	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
22	A	836	CLA	CAA-C2A-C3A	-2.10	107.32	113.00
22	B	839	CLA	CHB-C4A-NA	2.10	127.43	124.40
25	Z	205	BCR	C36-C18-C17	-2.10	119.41	122.82
22	4	312	CLA	O2A-CGA-O1A	-2.10	117.93	123.33
25	1	301	BCR	C16-C17-C18	2.10	130.22	127.28
22	A	824	CLA	CAA-C2A-C1A	-2.10	105.09	111.97
22	6	310	CLA	O1D-CGD-CBD	-2.10	120.38	124.52
22	A	858	CLA	C6-C7-C8	-2.10	108.99	115.97
22	4	306	CLA	CAA-C2A-C1A	2.10	118.85	111.97
29	4	314	5X6	C04-C03-C02	-2.10	119.77	122.64
31	5	322	RRX	C15-C14-C13	2.10	130.22	127.28
22	5	303	CLA	OBD-CAD-C3D	-2.10	123.51	128.42
22	A	848	CLA	CMC-C2C-C1C	2.10	128.31	125.03
22	7	303	CLA	CHD-C4C-NC	2.10	127.48	124.23
22	K	101	CLA	CHB-C1B-C2B	-2.10	121.34	127.43
22	A	830	CLA	CAA-C2A-C3A	-2.10	107.34	113.00
22	4	312	CLA	CHC-C1C-NC	2.10	127.47	124.31
22	A	857	CLA	CHB-C1B-C2B	-2.09	121.34	127.43
21	A	801	CL0	CMD-C2D-C3D	2.09	128.87	124.68
22	6	306	CLA	CHB-C4A-NA	2.09	127.42	124.40
25	B	844	BCR	C15-C14-C13	2.09	130.21	127.28
22	B	806	CLA	C4A-NA-C1A	-2.09	105.72	106.68
22	3	301	CLA	C4-C3-C5	2.09	118.86	115.23
22	5	301	CLA	CHB-C4A-NA	2.09	127.42	124.40
22	B	828	CLA	O2D-CGD-O1D	-2.09	119.78	123.85
22	1	307	CLA	C2A-C1A-CHA	-2.09	120.24	123.87
22	A	816	CLA	CBA-CAA-C2A	2.09	120.02	113.79
22	B	815	CLA	C1-O2A-CGA	2.09	121.71	116.65
22	A	831	CLA	CGD-CBD-CAD	-2.09	104.08	110.85
22	A	818	CLA	CAA-CBA-CGA	-2.09	107.27	113.21
22	1	308	CLA	CHB-C1B-C2B	-2.09	121.36	127.43
22	4	307	CLA	CBC-CAC-C3C	-2.09	106.75	112.42
22	6	305	CLA	C4-C3-C5	2.09	118.86	115.23
25	A	846	BCR	C2-C1-C6	2.09	113.47	110.44
23	A	840	A1L64	C7-C6-C1	-2.09	121.31	124.89
22	1	310	CLA	C7-C6-C5	-2.09	107.69	113.26
22	7	305	CLA	CBC-CAC-C3C	-2.09	106.76	112.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	814	CLA	CHB-C1B-C2B	-2.09	121.36	127.43
22	5	307	CLA	CHB-C1B-C2B	-2.09	121.36	127.43
22	J	102	CLA	CED-O2D-CGD	2.09	120.65	115.92
25	B	843	BCR	C7-C6-C5	-2.09	116.75	121.56
22	4	306	CLA	CHC-C1C-NC	2.09	127.45	124.31
22	B	807	CLA	C1-O2A-CGA	2.09	121.70	116.65
22	6	308	CLA	CED-O2D-CGD	2.09	120.65	115.92
22	1	303	CLA	CBC-CAC-C3C	-2.09	106.76	112.42
22	7	310	CLA	CHB-C4A-NA	2.09	127.41	124.40
22	B	812	CLA	C3B-C4B-NB	2.09	112.39	110.53
22	6	309	CLA	C2A-C1A-CHA	-2.09	120.25	123.87
25	L	201	BCR	C35-C13-C14	-2.09	119.44	122.82
25	1	301	BCR	C35-C13-C14	-2.09	119.44	122.82
22	2	305	CLA	CAA-CBA-CGA	2.08	119.13	113.21
22	6	307	CLA	CHD-C4C-NC	2.08	127.46	124.23
22	B	837	CLA	C1-C2-C3	-2.08	122.78	126.20
22	A	827	CLA	CHB-C4A-NA	2.08	127.41	124.40
22	5	307	CLA	C1-O2A-CGA	2.08	121.69	116.65
22	A	836	CLA	C5-C3-C2	2.08	125.84	121.17
22	7	309	CLA	CHC-C1C-NC	2.08	127.45	124.31
22	A	833	CLA	CMA-C3A-C2A	-2.08	105.94	113.98
22	2	305	CLA	CHB-C4A-NA	2.08	127.40	124.40
22	A	810	CLA	OBD-CAD-C3D	-2.08	123.55	128.42
22	B	833	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
22	A	802	CLA	C1-O2A-CGA	2.08	121.69	116.65
29	6	317	5X6	C07-C02-C03	2.08	125.03	120.76
29	7	318	5X6	C35-C34-C29	2.08	113.50	110.24
22	B	822	CLA	CAA-C2A-C3A	-2.08	107.38	113.00
22	6	303	CLA	CHB-C4A-NA	2.08	127.40	124.40
22	1	306	CLA	CMA-C3A-C4A	-2.08	106.19	111.77
22	7	303	CLA	CHC-C1C-NC	2.08	127.44	124.31
22	B	817	CLA	C2A-C1A-CHA	-2.08	120.26	123.87
25	1	301	BCR	C30-C25-C24	2.08	121.28	115.65
29	5	312	5X6	C04-C03-C11	-2.08	110.02	115.65
22	2	310	CLA	CHC-C1C-NC	2.07	127.44	124.31
22	B	809	CLA	CMA-C3A-C2A	-2.07	105.96	113.98
22	B	816	CLA	OBD-CAD-C3D	-2.07	123.57	128.42
22	7	305	CLA	O2A-CGA-CBA	2.07	120.55	114.00
22	6	311	CLA	CHB-C1B-C2B	-2.07	121.41	127.43
29	4	313	5X6	C01-C02-C07	-2.07	110.61	114.42
22	A	859	CLA	C5-C3-C2	-2.07	116.52	121.17
22	A	838	CLA	CAA-C2A-C3A	-2.07	107.41	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	L	206	BCR	C16-C17-C18	2.07	130.18	127.28
22	7	307	CLA	CMD-C2D-C3D	-2.07	122.94	127.69
22	6	306	CLA	C1-C2-C3	-2.07	122.81	126.20
22	B	836	CLA	C2A-C1A-CHA	-2.07	120.28	123.87
22	A	831	CLA	C5-C3-C2	2.07	125.81	121.17
29	7	314	5X6	C34-C29-C30	2.07	125.46	122.64
22	5	303	CLA	O2D-CGD-O1D	-2.06	119.83	123.85
22	B	820	CLA	CMB-C2B-C1B	2.06	128.56	125.42
22	B	813	CLA	CHA-C1A-NA	-2.06	121.72	126.39
22	A	839	CLA	OBD-CAD-C3D	-2.06	123.59	128.42
22	A	823	CLA	CHA-C1A-NA	-2.06	121.72	126.39
22	B	838	CLA	CHB-C1B-C2B	-2.06	121.44	127.43
22	L	203	CLA	CHB-C1B-C2B	-2.06	121.44	127.43
22	2	303	CLA	CHB-C1B-C2B	-2.06	121.44	127.43
25	A	846	BCR	C16-C15-C14	2.06	127.74	123.52
22	2	302	CLA	CHC-C1C-NC	2.06	127.41	124.31
22	B	803	CLA	CMB-C2B-C1B	2.06	128.56	125.42
22	5	302	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
22	2	311	CLA	C3B-C4B-NB	2.06	112.37	110.53
22	1	304	CLA	CHB-C1B-C2B	-2.06	121.45	127.43
21	A	801	CL0	O2A-CGA-O1A	-2.06	118.48	123.63
21	A	801	CL0	C4-C3-C5	2.06	118.80	115.23
22	1	303	CLA	C16-C15-C13	-2.06	109.13	115.97
22	5	310	CLA	C1-O2A-CGA	2.06	121.63	116.65
25	B	842	BCR	C20-C21-C22	2.06	130.16	127.28
22	2	305	CLA	O2D-CGD-O1D	-2.06	119.85	123.85
22	B	806	CLA	CMA-C3A-C2A	-2.06	106.04	113.98
22	5	306	CLA	CHD-C4C-NC	2.06	127.42	124.23
22	F	205	CLA	O2A-CGA-CBA	2.06	120.49	114.00
22	B	834	CLA	C1-O2A-CGA	2.05	121.62	116.65
22	B	839	CLA	CHA-C1A-NA	-2.05	121.74	126.39
22	B	833	CLA	O2A-CGA-CBA	2.05	118.10	111.83
22	A	830	CLA	OBD-CAD-C3D	-2.05	123.62	128.42
22	L	203	CLA	C2A-C1A-CHA	-2.05	120.30	123.87
22	2	310	CLA	CMC-C2C-C1C	2.05	128.24	125.03
22	2	308	CLA	CED-O2D-CGD	2.05	120.57	115.92
22	A	818	CLA	CMB-C2B-C1B	2.05	128.54	125.42
22	1	304	CLA	CMD-C2D-C3D	-2.05	122.98	127.69
29	4	315	5X6	C28-C29-C30	-2.05	116.83	121.56
29	4	314	5X6	C40-C22-C23	-2.05	114.95	118.09
22	2	306	CLA	C2A-C1A-CHA	-2.05	120.31	123.87
22	4	303	CLA	CHB-C4A-NA	2.05	127.36	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	4	310	CLA	CHB-C4A-NA	2.05	127.36	124.40
22	B	834	CLA	CHB-C4A-NA	2.05	127.36	124.40
22	A	811	CLA	O2D-CGD-O1D	-2.05	119.86	123.85
22	6	314	CLA	C2A-C1A-CHA	-2.05	120.31	123.87
22	6	312	CLA	CMC-C2C-C1C	2.05	128.24	125.03
22	B	808	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
22	7	313	CLA	CHC-C1C-NC	2.05	127.40	124.31
22	2	309	CLA	CMA-C3A-C2A	-2.05	111.53	116.23
22	2	306	CLA	O2A-CGA-CBA	2.05	120.47	114.00
22	7	304	CLA	C1-C2-C3	-2.05	122.84	126.20
22	B	850	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
22	B	836	CLA	CHD-C4C-NC	2.05	127.40	124.23
22	2	306	CLA	CHD-C4C-NC	2.05	127.40	124.23
22	O	206	CLA	CHB-C1B-C2B	-2.05	121.49	127.43
22	B	820	CLA	C3B-C4B-NB	2.05	112.36	110.53
22	3	302	CLA	CHB-C1B-C2B	-2.04	121.49	127.43
22	5	311	CLA	CHB-C1B-C2B	-2.04	121.49	127.43
29	Z	206	5X6	C40-C22-C23	-2.04	114.97	118.09
22	B	813	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
22	B	832	CLA	C6-C5-C3	2.04	118.45	113.47
22	7	313	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
25	I	102	BCR	C36-C18-C17	-2.04	119.51	122.82
22	5	304	CLA	O2D-CGD-O1D	-2.04	119.87	123.85
22	A	832	CLA	CMC-C2C-C1C	2.04	128.22	125.03
22	4	306	CLA	CED-O2D-CGD	2.04	120.55	115.92
22	1	305	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
22	B	812	CLA	CHB-C4A-NA	2.04	127.35	124.40
22	2	304	CLA	CED-O2D-CGD	2.04	120.55	115.92
22	B	806	CLA	O2D-CGD-O1D	-2.04	119.88	123.85
22	A	848	CLA	CED-O2D-CGD	2.04	120.54	115.92
25	F	201	BCR	C36-C18-C17	-2.04	119.51	122.82
22	2	304	CLA	C1-C2-C3	-2.04	122.86	126.20
25	K	103	BCR	C10-C11-C12	2.04	129.11	123.20
22	F	204	CLA	C1-O2A-CGA	2.04	121.59	116.65
25	Z	202	BCR	C15-C14-C13	2.04	130.14	127.28
22	B	827	CLA	C2A-C1A-CHA	-2.04	120.33	123.87
22	1	303	CLA	C3B-C4B-NB	2.04	112.35	110.53
22	5	305	CLA	CHB-C4A-NA	2.04	127.34	124.40
22	B	813	CLA	C1-C2-C3	-2.04	122.86	126.20
22	4	309	CLA	CAA-C2A-C3A	-2.04	107.49	113.00
22	K	102	CLA	CBC-CAC-C3C	-2.04	106.90	112.42
22	B	838	CLA	OBD-CAD-C3D	-2.04	123.66	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	817	CLA	CMB-C2B-C3B	2.04	131.34	126.55
22	B	838	CLA	CBC-CAC-C3C	-2.04	106.90	112.42
22	5	305	CLA	O2A-CGA-CBA	2.04	120.43	114.00
22	4	310	CLA	CHA-C1A-NA	-2.04	121.78	126.39
22	L	204	CLA	O1D-CGD-CBD	-2.04	120.50	124.52
25	L	202	BCR	C20-C21-C22	2.04	130.13	127.28
22	2	305	CLA	C4-C3-C5	2.03	118.76	115.23
22	A	821	CLA	CBC-CAC-C3C	-2.03	106.90	112.42
22	A	809	CLA	CMA-C3A-C2A	-2.03	106.12	113.98
22	2	309	CLA	CHD-C4C-NC	2.03	127.39	124.23
25	2	301	BCR	C35-C13-C14	-2.03	119.52	122.82
22	O	203	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
22	A	817	CLA	CHB-C1B-C2B	-2.03	121.52	127.43
22	1	306	CLA	CMB-C2B-C1B	2.03	128.52	125.42
22	B	812	CLA	CHD-C4C-NC	2.03	127.39	124.23
22	B	829	CLA	C2A-C1A-CHA	-2.03	120.34	123.87
22	A	805	CLA	CED-O2D-CGD	2.03	120.53	115.92
22	O	206	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
22	A	817	CLA	CHD-C4C-NC	2.03	127.38	124.23
22	A	802	CLA	CMA-C3A-C2A	-2.03	106.13	113.98
22	Z	204	CLA	C2A-C1A-CHA	-2.03	120.34	123.87
22	A	822	CLA	CMA-C3A-C2A	-2.03	106.13	113.98
22	5	305	CLA	CHD-C4C-NC	2.03	127.38	124.23
22	Z	201	CLA	O2D-CGD-O1D	-2.03	119.90	123.85
22	B	827	CLA	C1-C2-C3	-2.03	122.87	126.20
22	B	805	CLA	C5-C3-C2	-2.03	116.61	121.17
22	B	815	CLA	CHB-C1B-C2B	-2.03	121.54	127.43
22	B	805	CLA	C1-O2A-CGA	2.03	121.56	116.65
22	A	809	CLA	CHB-C4A-NA	2.03	127.33	124.40
22	A	826	CLA	CHB-C4A-NA	2.03	127.32	124.40
22	A	832	CLA	C11-C12-C13	-2.02	109.24	115.97
22	B	801	CLA	CHD-C4C-NC	2.02	127.37	124.23
29	7	315	5X6	C34-C29-C30	2.02	125.40	122.64
22	B	802	CLA	C2A-C1A-CHA	-2.02	120.36	123.87
22	A	829	CLA	CHD-C4C-NC	2.02	127.36	124.23
22	B	825	CLA	CHB-C1B-C2B	-2.02	121.56	127.43
22	B	830	CLA	CED-O2D-CGD	2.02	120.50	115.92
22	B	826	CLA	C7-C6-C5	-2.02	107.88	113.26
22	7	307	CLA	CHC-C1C-NC	2.02	127.35	124.31
22	A	823	CLA	C2A-C1A-CHA	-2.02	120.36	123.87
22	1	302	CLA	C1-O2A-CGA	2.02	121.54	116.65
22	B	824	CLA	CMB-C2B-C3B	2.02	131.30	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	A	858	CLA	CAA-C2A-C3A	-2.02	107.54	113.00
22	6	307	CLA	CBC-CAC-C3C	-2.02	106.95	112.42
22	4	306	CLA	C2A-C1A-CHA	-2.02	120.37	123.87
22	B	815	CLA	CAA-C2A-C3A	-2.02	107.55	113.00
22	B	831	CLA	O2A-CGA-CBA	2.02	117.98	111.83
22	2	303	CLA	O1D-CGD-CBD	-2.02	120.54	124.52
22	1	309	CLA	CMC-C2C-C1C	2.02	128.19	125.03
22	B	823	CLA	C1C-C2C-C3C	-2.02	104.86	106.98
22	1	308	CLA	CHC-C1C-NC	2.02	127.35	124.31
22	3	301	CLA	CMB-C2B-C1B	2.01	128.49	125.42
22	Z	201	CLA	O2A-CGA-CBA	2.01	120.37	114.00
22	4	302	CLA	CHB-C1B-C2B	-2.01	121.58	127.43
22	B	833	CLA	CMA-C3A-C2A	-2.01	106.19	113.98
25	I	102	BCR	C15-C14-C13	2.01	130.10	127.28
22	A	807	CLA	C4-C3-C5	2.01	118.72	115.23
22	3	302	CLA	CHB-C4A-NA	2.01	127.30	124.40
22	5	310	CLA	CHB-C1B-C2B	-2.01	121.59	127.43
22	A	835	CLA	CBC-CAC-C3C	-2.01	106.97	112.42
22	6	309	CLA	O2D-CGD-O1D	-2.01	119.94	123.85
22	A	812	CLA	C2A-C1A-CHA	-2.01	120.38	123.87
28	B	845	DGD	C4D-C3D-C2D	2.01	114.36	110.83
31	4	317	RRX	C36-C18-C17	-2.01	119.56	122.82
22	7	305	CLA	CHA-C1A-NA	-2.01	121.84	126.39
22	L	204	CLA	C1-O2A-CGA	2.01	121.51	116.65
22	A	806	CLA	OBD-CAD-C3D	-2.01	123.73	128.42
22	A	822	CLA	CBC-CAC-C3C	-2.01	106.98	112.42
25	A	844	BCR	C20-C21-C22	2.01	130.09	127.28
22	B	801	CLA	CHB-C1B-C2B	-2.01	121.61	127.43
22	A	832	CLA	CMA-C3A-C2A	-2.00	106.23	113.98
22	A	834	CLA	CHB-C4A-NA	2.00	127.29	124.40
22	A	833	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
22	1	306	CLA	CBA-CAA-C2A	2.00	119.75	113.79
25	A	843	BCR	C15-C14-C13	2.00	130.09	127.28
22	1	304	CLA	O1D-CGD-CBD	-2.00	120.57	124.52
22	B	850	CLA	CMB-C2B-C1B	2.00	128.47	125.42
25	B	841	BCR	C1-C6-C5	-2.00	119.90	122.64
22	A	848	CLA	CHB-C1B-C2B	-2.00	121.62	127.43

All (157) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
21	A	801	CL0	NA

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Mol	Chain	Res	Type	Atom
21	A	801	CL0	NC
21	A	801	CL0	ND
22	A	802	CLA	ND
22	A	803	CLA	ND
22	A	804	CLA	ND
22	A	805	CLA	ND
22	A	806	CLA	ND
22	A	808	CLA	ND
22	A	809	CLA	ND
22	A	810	CLA	ND
22	A	811	CLA	ND
22	A	812	CLA	ND
22	A	813	CLA	ND
22	A	815	CLA	ND
22	A	816	CLA	ND
22	A	817	CLA	ND
22	A	818	CLA	ND
22	A	819	CLA	ND
22	A	821	CLA	ND
22	A	823	CLA	ND
22	A	824	CLA	ND
22	A	825	CLA	ND
22	A	826	CLA	ND
22	A	827	CLA	ND
22	A	828	CLA	ND
22	A	829	CLA	ND
22	A	830	CLA	ND
22	A	831	CLA	ND
22	A	832	CLA	ND
22	A	833	CLA	ND
22	A	835	CLA	ND
22	A	836	CLA	ND
22	A	837	CLA	ND
22	A	838	CLA	ND
22	A	839	CLA	ND
22	A	848	CLA	ND
22	A	857	CLA	ND
22	A	858	CLA	ND
22	A	859	CLA	ND
22	B	801	CLA	ND
22	B	802	CLA	ND
22	B	803	CLA	ND

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Mol	Chain	Res	Type	Atom
22	B	804	CLA	ND
22	B	805	CLA	ND
22	B	806	CLA	ND
22	B	807	CLA	ND
22	B	808	CLA	ND
22	B	809	CLA	ND
22	B	810	CLA	ND
22	B	811	CLA	ND
22	B	813	CLA	ND
22	B	814	CLA	ND
22	B	815	CLA	ND
22	B	816	CLA	ND
22	B	817	CLA	ND
22	B	818	CLA	ND
22	B	819	CLA	ND
22	B	820	CLA	ND
22	B	822	CLA	ND
22	B	823	CLA	ND
22	B	824	CLA	ND
22	B	825	CLA	ND
22	B	826	CLA	ND
22	B	827	CLA	ND
22	B	828	CLA	ND
22	B	829	CLA	ND
22	B	831	CLA	ND
22	B	832	CLA	ND
22	B	833	CLA	ND
22	B	834	CLA	ND
22	B	835	CLA	ND
22	B	836	CLA	ND
22	B	837	CLA	ND
22	B	839	CLA	ND
22	B	850	CLA	ND
22	F	204	CLA	ND
22	F	205	CLA	ND
22	F	206	CLA	ND
22	J	102	CLA	ND
22	K	101	CLA	ND
22	K	102	CLA	ND
22	L	203	CLA	ND
22	L	204	CLA	ND
22	L	205	CLA	ND

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Mol	Chain	Res	Type	Atom
22	O	203	CLA	ND
22	O	204	CLA	ND
22	O	205	CLA	ND
22	O	206	CLA	ND
22	Z	201	CLA	ND
22	Z	204	CLA	ND
22	1	302	CLA	ND
22	1	303	CLA	ND
22	1	304	CLA	ND
22	1	305	CLA	ND
22	1	306	CLA	ND
22	1	308	CLA	ND
22	1	309	CLA	ND
22	1	310	CLA	ND
22	2	302	CLA	ND
22	2	303	CLA	ND
22	2	304	CLA	ND
22	2	306	CLA	ND
22	2	307	CLA	ND
22	2	308	CLA	ND
22	2	309	CLA	ND
22	2	310	CLA	ND
22	2	311	CLA	ND
22	3	301	CLA	ND
22	3	302	CLA	ND
22	3	303	CLA	ND
22	3	304	CLA	ND
22	3	305	CLA	ND
22	4	302	CLA	ND
22	4	303	CLA	ND
22	4	304	CLA	ND
22	4	305	CLA	ND
22	4	306	CLA	ND
22	4	307	CLA	ND
22	4	308	CLA	ND
22	4	309	CLA	ND
22	4	310	CLA	ND
22	4	311	CLA	ND
22	4	312	CLA	ND
22	5	301	CLA	ND
22	5	302	CLA	ND
22	5	303	CLA	ND

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Mol	Chain	Res	Type	Atom
22	5	304	CLA	ND
22	5	305	CLA	ND
22	5	306	CLA	ND
22	5	307	CLA	ND
22	5	308	CLA	ND
22	5	309	CLA	ND
22	5	310	CLA	ND
22	5	311	CLA	ND
22	6	303	CLA	ND
22	6	304	CLA	ND
22	6	305	CLA	ND
22	6	306	CLA	ND
22	6	307	CLA	ND
22	6	308	CLA	ND
22	6	309	CLA	ND
22	6	310	CLA	ND
22	6	311	CLA	ND
22	6	312	CLA	ND
22	6	313	CLA	ND
22	6	314	CLA	ND
22	7	303	CLA	ND
22	7	304	CLA	ND
22	7	305	CLA	ND
22	7	307	CLA	ND
22	7	308	CLA	ND
22	7	309	CLA	ND
22	7	310	CLA	ND
22	7	311	CLA	ND
22	7	312	CLA	ND
22	7	313	CLA	ND

All (1828) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
22	A	806	CLA	CHA-CBD-CGD-O1D
22	A	806	CLA	CHA-CBD-CGD-O2D
22	A	809	CLA	CHA-CBD-CGD-O1D
22	A	809	CLA	CHA-CBD-CGD-O2D
22	A	813	CLA	CHA-CBD-CGD-O1D
22	A	813	CLA	CHA-CBD-CGD-O2D
22	A	816	CLA	C3A-C2A-CAA-CBA
22	A	820	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
22	A	828	CLA	CHA-CBD-CGD-O1D
22	A	828	CLA	CHA-CBD-CGD-O2D
22	A	832	CLA	CHA-CBD-CGD-O1D
22	A	832	CLA	CHA-CBD-CGD-O2D
22	A	835	CLA	C4-C3-C5-C6
22	A	848	CLA	C11-C12-C13-C14
22	A	859	CLA	C1A-C2A-CAA-CBA
22	A	859	CLA	CHA-CBD-CGD-O1D
22	A	859	CLA	CHA-CBD-CGD-O2D
22	B	804	CLA	C1A-C2A-CAA-CBA
22	B	805	CLA	C1A-C2A-CAA-CBA
22	B	805	CLA	C3A-C2A-CAA-CBA
22	B	808	CLA	CHA-CBD-CGD-O1D
22	B	808	CLA	CHA-CBD-CGD-O2D
22	B	808	CLA	C14-C13-C15-C16
22	B	811	CLA	CHA-CBD-CGD-O1D
22	B	811	CLA	CHA-CBD-CGD-O2D
22	B	816	CLA	CHA-CBD-CGD-O1D
22	B	816	CLA	CHA-CBD-CGD-O2D
22	B	820	CLA	C3A-C2A-CAA-CBA
22	B	823	CLA	C1A-C2A-CAA-CBA
22	B	824	CLA	CHA-CBD-CGD-O1D
22	B	824	CLA	CHA-CBD-CGD-O2D
22	B	825	CLA	CHA-CBD-CGD-O1D
22	B	825	CLA	CHA-CBD-CGD-O2D
22	B	827	CLA	C1A-C2A-CAA-CBA
22	B	827	CLA	C3A-C2A-CAA-CBA
22	B	831	CLA	C1A-C2A-CAA-CBA
22	B	834	CLA	C4-C3-C5-C6
22	B	838	CLA	CBD-CGD-O2D-CED
22	B	838	CLA	C2-C3-C5-C6
22	B	838	CLA	C4-C3-C5-C6
22	B	850	CLA	C1A-C2A-CAA-CBA
22	B	850	CLA	C3A-C2A-CAA-CBA
22	F	206	CLA	CHA-CBD-CGD-O1D
22	F	206	CLA	CHA-CBD-CGD-O2D
22	K	102	CLA	CBD-CGD-O2D-CED
22	Z	201	CLA	C1A-C2A-CAA-CBA
22	Z	201	CLA	C3A-C2A-CAA-CBA
22	1	303	CLA	CBD-CGD-O2D-CED
22	1	305	CLA	CBD-CGD-O2D-CED
22	1	307	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
22	1	307	CLA	CBD-CGD-O2D-CED
22	1	308	CLA	C1A-C2A-CAA-CBA
22	1	310	CLA	C1A-C2A-CAA-CBA
22	1	310	CLA	O1A-CGA-O2A-C1
22	1	310	CLA	CBD-CGD-O2D-CED
22	2	302	CLA	CHA-CBD-CGD-O1D
22	2	302	CLA	CHA-CBD-CGD-O2D
22	2	305	CLA	C1A-C2A-CAA-CBA
22	2	311	CLA	CBD-CGD-O2D-CED
22	4	304	CLA	CBD-CGD-O2D-CED
22	4	304	CLA	C11-C12-C13-C14
22	4	310	CLA	C2C-C3C-CAC-CBC
22	4	310	CLA	C4C-C3C-CAC-CBC
22	4	312	CLA	CBD-CGD-O2D-CED
22	5	307	CLA	CHA-CBD-CGD-O2D
22	5	311	CLA	C3A-C2A-CAA-CBA
22	6	303	CLA	C3A-C2A-CAA-CBA
22	6	306	CLA	C1A-C2A-CAA-CBA
22	6	308	CLA	CHA-CBD-CGD-O1D
22	6	308	CLA	CHA-CBD-CGD-O2D
22	6	310	CLA	CHA-CBD-CGD-O1D
22	6	310	CLA	CHA-CBD-CGD-O2D
22	6	312	CLA	C1A-C2A-CAA-CBA
22	6	312	CLA	C3A-C2A-CAA-CBA
22	6	313	CLA	CBD-CGD-O2D-CED
22	7	303	CLA	CHA-CBD-CGD-O1D
22	7	303	CLA	CHA-CBD-CGD-O2D
22	7	306	CLA	C1A-C2A-CAA-CBA
22	7	306	CLA	CBD-CGD-O2D-CED
22	7	309	CLA	CHA-CBD-CGD-O1D
22	7	309	CLA	CHA-CBD-CGD-O2D
22	7	310	CLA	CHA-CBD-CGD-O1D
22	7	310	CLA	CHA-CBD-CGD-O2D
22	7	311	CLA	CBD-CGD-O2D-CED
23	A	840	A1L64	C12-C13-C14-C15
24	A	841	LHG	C3-O3-P-O5
24	B	846	LHG	C3-O3-P-O5
24	B	846	LHG	C3-O3-P-O6
24	J	106	LHG	C2-C3-O3-P
24	J	106	LHG	C4-O6-P-O4
24	2	315	LHG	C3-O3-P-O5
24	2	315	LHG	C4-O6-P-O3

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Mol	Chain	Res	Type	Atoms
24	2	315	LHG	C4-O6-P-O5
24	4	318	LHG	C3-O3-P-O5
24	4	318	LHG	C4-O6-P-O5
24	5	316	LHG	C3-O3-P-O4
24	5	316	LHG	C3-O3-P-O5
24	5	316	LHG	C3-O3-P-O6
24	6	319	LHG	C3-O3-P-O6
24	6	319	LHG	C4-O6-P-O4
24	6	319	LHG	C4-O6-P-O5
25	A	844	BCR	C23-C24-C25-C30
25	B	843	BCR	C1-C6-C7-C8
25	B	843	BCR	C5-C6-C7-C8
25	B	843	BCR	C21-C22-C23-C24
25	B	843	BCR	C37-C22-C23-C24
25	1	301	BCR	C21-C22-C23-C24
25	1	301	BCR	C37-C22-C23-C24
25	1	301	BCR	C23-C24-C25-C26
25	1	301	BCR	C23-C24-C25-C30
25	2	301	BCR	C7-C8-C9-C10
25	4	316	BCR	C7-C8-C9-C10
28	B	845	DGD	C2B-C1B-O2G-C2G
29	B	851	5X6	C41-C17-C18-C19
29	B	851	5X6	C39-C26-C27-C28
29	B	851	5X6	C24-C25-C26-C39
29	B	851	5X6	C11-C12-C13-C14
29	B	851	5X6	C42-C13-C14-C15
29	B	851	5X6	C20-C21-C22-C40
29	B	851	5X6	C40-C22-C23-C24
29	J	104	5X6	C41-C17-C18-C19
29	J	104	5X6	C39-C26-C27-C28
29	J	104	5X6	C02-C03-C11-C12
29	J	104	5X6	C12-C13-C14-C15
29	J	104	5X6	C42-C13-C14-C15
29	J	104	5X6	C20-C21-C22-C40
29	J	104	5X6	C40-C22-C23-C24
29	M	101	5X6	C41-C17-C18-C19
29	M	101	5X6	C15-C16-C17-C18
29	M	101	5X6	C17-C18-C19-C20
29	M	101	5X6	C14-C15-C16-C17
29	M	101	5X6	C24-C25-C26-C39
29	M	101	5X6	C18-C19-C20-C21
29	M	101	5X6	C11-C12-C13-C42

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Mol	Chain	Res	Type	Atoms
29	M	101	5X6	C12-C13-C14-C15
29	M	101	5X6	C26-C27-C28-C29
29	M	101	5X6	C20-C21-C22-C40
29	M	101	5X6	C20-C21-C22-C23
29	M	101	5X6	C21-C22-C23-C24
29	M	101	5X6	C22-C23-C24-C25
29	O	207	5X6	C41-C17-C18-C19
29	O	207	5X6	C15-C16-C17-C41
29	O	207	5X6	C25-C26-C27-C28
29	O	207	5X6	C24-C25-C26-C39
29	O	207	5X6	C11-C12-C13-C42
29	O	207	5X6	C42-C13-C14-C15
29	O	207	5X6	C20-C21-C22-C40
29	O	208	5X6	C41-C17-C18-C19
29	O	208	5X6	C39-C26-C27-C28
29	O	208	5X6	C24-C25-C26-C39
29	O	208	5X6	C42-C13-C14-C15
29	O	208	5X6	C20-C21-C22-C40
29	Z	206	5X6	C41-C17-C18-C19
29	Z	206	5X6	C25-C26-C27-C28
29	Z	206	5X6	C24-C25-C26-C39
29	Z	206	5X6	C42-C13-C14-C15
29	Z	206	5X6	C40-C22-C23-C24
29	Z	206	5X6	C22-C23-C24-C25
29	1	311	5X6	C15-C16-C17-C41
29	1	311	5X6	C17-C18-C19-C20
29	1	311	5X6	C25-C26-C27-C28
29	1	311	5X6	C18-C19-C20-C21
29	1	311	5X6	C03-C11-C12-C13
29	1	311	5X6	C11-C12-C13-C14
29	1	311	5X6	C12-C13-C14-C15
29	1	311	5X6	C27-C28-C29-C34
29	1	311	5X6	C20-C21-C22-C40
29	1	311	5X6	C20-C21-C22-C23
29	1	311	5X6	C40-C22-C23-C24
29	1	312	5X6	C41-C17-C18-C19
29	1	312	5X6	C15-C16-C17-C41
29	1	312	5X6	C24-C25-C26-C39
29	1	312	5X6	C11-C12-C13-C42
29	1	312	5X6	C42-C13-C14-C15
29	1	312	5X6	C27-C28-C29-C30
29	1	312	5X6	C20-C21-C22-C40

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Mol	Chain	Res	Type	Atoms
29	1	313	5X6	C41-C17-C18-C19
29	1	313	5X6	C15-C16-C17-C18
29	1	313	5X6	C14-C15-C16-C17
29	1	313	5X6	C25-C26-C27-C28
29	1	313	5X6	C24-C25-C26-C39
29	1	313	5X6	C24-C25-C26-C27
29	1	313	5X6	C11-C12-C13-C14
29	1	313	5X6	C42-C13-C14-C15
29	1	313	5X6	C27-C28-C29-C30
29	1	313	5X6	C20-C21-C22-C40
29	1	314	5X6	C41-C17-C18-C19
29	1	314	5X6	C24-C25-C26-C39
29	1	314	5X6	C03-C11-C12-C13
29	1	314	5X6	C02-C03-C11-C12
29	1	314	5X6	C27-C28-C29-C30
29	1	314	5X6	C20-C21-C22-C40
29	1	316	5X6	C15-C16-C17-C41
29	1	316	5X6	C39-C26-C27-C28
29	1	316	5X6	C24-C25-C26-C39
29	1	316	5X6	C42-C13-C14-C15
29	1	316	5X6	C27-C28-C29-C30
29	1	316	5X6	C20-C21-C22-C40
29	2	312	5X6	C41-C17-C18-C19
29	2	312	5X6	C15-C16-C17-C41
29	2	312	5X6	C14-C15-C16-C17
29	2	312	5X6	C39-C26-C27-C28
29	2	312	5X6	C24-C25-C26-C39
29	2	312	5X6	C42-C13-C14-C15
29	2	312	5X6	C26-C27-C28-C29
29	2	312	5X6	C20-C21-C22-C40
29	2	313	5X6	C41-C17-C18-C19
29	2	313	5X6	C15-C16-C17-C18
29	2	313	5X6	C24-C25-C26-C27
29	2	313	5X6	C11-C12-C13-C14
29	2	313	5X6	C42-C13-C14-C15
29	2	313	5X6	C20-C21-C22-C40
29	2	314	5X6	C41-C17-C18-C19
29	2	314	5X6	C24-C25-C26-C39
29	2	314	5X6	C24-C25-C26-C27
29	2	314	5X6	C18-C19-C20-C21
29	2	314	5X6	C42-C13-C14-C15
29	2	314	5X6	C20-C21-C22-C40

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Mol	Chain	Res	Type	Atoms
29	2	314	5X6	C21-C22-C23-C24
29	3	306	5X6	C41-C17-C18-C19
29	3	306	5X6	C15-C16-C17-C18
29	3	306	5X6	C15-C16-C17-C41
29	3	306	5X6	C14-C15-C16-C17
29	3	306	5X6	C39-C26-C27-C28
29	3	306	5X6	C11-C12-C13-C14
29	3	306	5X6	C11-C12-C13-C42
29	3	306	5X6	C42-C13-C14-C15
29	3	306	5X6	C20-C21-C22-C40
29	3	306	5X6	C22-C23-C24-C25
29	4	313	5X6	C41-C17-C18-C19
29	4	313	5X6	C15-C16-C17-C41
29	4	313	5X6	C14-C15-C16-C17
29	4	313	5X6	C24-C25-C26-C39
29	4	313	5X6	C42-C13-C14-C15
29	4	313	5X6	C20-C21-C22-C40
29	4	313	5X6	C40-C22-C23-C24
29	4	313	5X6	C22-C23-C24-C25
29	4	314	5X6	C16-C17-C18-C19
29	4	314	5X6	C15-C16-C17-C18
29	4	314	5X6	C11-C12-C13-C14
29	4	314	5X6	C42-C13-C14-C15
29	4	314	5X6	C20-C21-C22-C40
29	4	314	5X6	C40-C22-C23-C24
29	4	315	5X6	C41-C17-C18-C19
29	4	315	5X6	C15-C16-C17-C18
29	4	315	5X6	C14-C15-C16-C17
29	4	315	5X6	C24-C25-C26-C39
29	4	315	5X6	C24-C25-C26-C27
29	4	315	5X6	C18-C19-C20-C21
29	4	315	5X6	C03-C11-C12-C13
29	4	315	5X6	C02-C03-C11-C12
29	4	315	5X6	C42-C13-C14-C15
29	4	315	5X6	C20-C21-C22-C40
29	4	315	5X6	C22-C23-C24-C25
29	5	312	5X6	C41-C17-C18-C19
29	5	312	5X6	C15-C16-C17-C41
29	5	312	5X6	C39-C26-C27-C28
29	5	312	5X6	C24-C25-C26-C39
29	5	312	5X6	C11-C12-C13-C14
29	5	312	5X6	C42-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
29	5	312	5X6	C20-C21-C22-C40
29	5	312	5X6	C40-C22-C23-C24
29	5	313	5X6	C39-C26-C27-C28
29	5	313	5X6	C24-C25-C26-C39
29	5	313	5X6	C03-C11-C12-C13
29	5	313	5X6	C11-C12-C13-C14
29	5	313	5X6	C42-C13-C14-C15
29	5	313	5X6	C20-C21-C22-C40
29	5	313	5X6	C40-C22-C23-C24
29	5	314	5X6	C41-C17-C18-C19
29	5	314	5X6	C24-C25-C26-C39
29	5	314	5X6	C18-C19-C20-C21
29	5	314	5X6	C03-C11-C12-C13
29	5	314	5X6	C02-C03-C11-C12
29	5	314	5X6	C11-C12-C13-C14
29	5	314	5X6	C12-C13-C14-C15
29	5	314	5X6	C42-C13-C14-C15
29	5	314	5X6	C20-C21-C22-C40
29	5	314	5X6	C22-C23-C24-C25
29	5	321	5X6	C41-C17-C18-C19
29	5	321	5X6	C24-C25-C26-C39
29	5	321	5X6	C24-C25-C26-C27
29	5	321	5X6	C02-C03-C11-C12
29	5	321	5X6	C42-C13-C14-C15
29	5	321	5X6	C20-C21-C22-C40
29	5	321	5X6	C22-C23-C24-C25
29	6	315	5X6	C41-C17-C18-C19
29	6	315	5X6	C15-C16-C17-C41
29	6	315	5X6	C39-C26-C27-C28
29	6	315	5X6	C24-C25-C26-C39
29	6	315	5X6	C42-C13-C14-C15
29	6	315	5X6	C20-C21-C22-C40
29	6	315	5X6	C40-C22-C23-C24
29	6	315	5X6	C22-C23-C24-C25
29	6	316	5X6	C41-C17-C18-C19
29	6	316	5X6	C39-C26-C27-C28
29	6	316	5X6	C24-C25-C26-C39
29	6	316	5X6	C11-C12-C13-C14
29	6	316	5X6	C42-C13-C14-C15
29	6	316	5X6	C20-C21-C22-C40
29	6	317	5X6	C41-C17-C18-C19
29	6	317	5X6	C15-C16-C17-C41

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Mol	Chain	Res	Type	Atoms
29	6	317	5X6	C25-C26-C27-C28
29	6	317	5X6	C42-C13-C14-C15
29	6	317	5X6	C27-C28-C29-C30
29	6	317	5X6	C20-C21-C22-C40
29	6	317	5X6	C23-C24-C25-C26
29	7	314	5X6	C16-C17-C18-C19
29	7	314	5X6	C14-C15-C16-C17
29	7	314	5X6	C24-C25-C26-C39
29	7	314	5X6	C18-C19-C20-C21
29	7	314	5X6	C03-C11-C12-C13
29	7	314	5X6	C11-C12-C13-C42
29	7	314	5X6	C42-C13-C14-C15
29	7	314	5X6	C20-C21-C22-C23
29	7	314	5X6	C21-C22-C23-C24
29	7	314	5X6	C22-C23-C24-C25
29	7	315	5X6	C41-C17-C18-C19
29	7	315	5X6	C24-C25-C26-C39
29	7	315	5X6	C18-C19-C20-C21
29	7	315	5X6	C02-C03-C11-C12
29	7	315	5X6	C11-C12-C13-C14
29	7	315	5X6	C42-C13-C14-C15
29	7	315	5X6	C23-C24-C25-C26
29	7	316	5X6	C41-C17-C18-C19
29	7	316	5X6	C25-C26-C27-C28
29	7	316	5X6	C24-C25-C26-C39
29	7	316	5X6	C24-C25-C26-C27
29	7	316	5X6	C18-C19-C20-C21
29	7	316	5X6	C02-C03-C11-C12
29	7	316	5X6	C12-C13-C14-C15
29	7	316	5X6	C42-C13-C14-C15
29	7	316	5X6	C20-C21-C22-C40
29	7	316	5X6	C40-C22-C23-C24
29	7	316	5X6	C21-C22-C23-C24
29	7	317	5X6	C16-C17-C18-C19
29	7	317	5X6	C41-C17-C18-C19
29	7	317	5X6	C15-C16-C17-C41
29	7	317	5X6	C39-C26-C27-C28
29	7	317	5X6	C24-C25-C26-C39
29	7	317	5X6	C03-C11-C12-C13
29	7	317	5X6	C11-C12-C13-C14
29	7	317	5X6	C42-C13-C14-C15
29	7	317	5X6	C20-C21-C22-C40

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Mol	Chain	Res	Type	Atoms
29	7	317	5X6	C20-C21-C22-C23
29	7	317	5X6	C22-C23-C24-C25
29	7	318	5X6	C41-C17-C18-C19
29	7	318	5X6	C15-C16-C17-C18
29	7	318	5X6	C14-C15-C16-C17
29	7	318	5X6	C24-C25-C26-C27
29	7	318	5X6	C12-C13-C14-C15
29	7	318	5X6	C27-C28-C29-C30
29	7	318	5X6	C26-C27-C28-C29
29	7	318	5X6	C20-C21-C22-C40
31	1	315	RRX	C1-C6-C7-C8
31	1	315	RRX	C5-C6-C7-C8
31	5	322	RRX	C7-C8-C9-C10
22	1	307	CLA	O1D-CGD-O2D-CED
22	1	309	CLA	O1D-CGD-O2D-CED
22	2	310	CLA	O1D-CGD-O2D-CED
22	4	304	CLA	O1D-CGD-O2D-CED
22	5	310	CLA	O1D-CGD-O2D-CED
22	L	203	CLA	O1D-CGD-O2D-CED
22	1	303	CLA	O1D-CGD-O2D-CED
22	2	311	CLA	O1D-CGD-O2D-CED
22	7	311	CLA	O1D-CGD-O2D-CED
22	A	814	CLA	CBD-CGD-O2D-CED
22	L	203	CLA	CBD-CGD-O2D-CED
22	O	204	CLA	CBD-CGD-O2D-CED
22	O	206	CLA	CBD-CGD-O2D-CED
22	1	302	CLA	CBD-CGD-O2D-CED
22	1	309	CLA	CBD-CGD-O2D-CED
22	2	306	CLA	CBD-CGD-O2D-CED
22	2	308	CLA	CBD-CGD-O2D-CED
22	2	310	CLA	CBD-CGD-O2D-CED
22	3	301	CLA	CBD-CGD-O2D-CED
22	3	303	CLA	CBD-CGD-O2D-CED
22	4	302	CLA	CBD-CGD-O2D-CED
22	4	310	CLA	CBD-CGD-O2D-CED
22	5	310	CLA	CBD-CGD-O2D-CED
22	7	303	CLA	CBD-CGD-O2D-CED
22	7	312	CLA	CBD-CGD-O2D-CED
22	Z	204	CLA	O1A-CGA-O2A-C1
22	4	304	CLA	O1A-CGA-O2A-C1
24	2	315	LHG	O10-C23-O8-C6
30	F	202	LMT	O5B-C1B-O1B-C4'

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Mol	Chain	Res	Type	Atoms
22	6	311	CLA	C4C-C3C-CAC-CBC
22	6	311	CLA	C2C-C3C-CAC-CBC
22	O	204	CLA	O1D-CGD-O2D-CED
22	2	306	CLA	O1D-CGD-O2D-CED
22	3	301	CLA	O1D-CGD-O2D-CED
22	A	810	CLA	O1A-CGA-O2A-C1
22	A	834	CLA	O1A-CGA-O2A-C1
22	A	836	CLA	O1A-CGA-O2A-C1
22	B	804	CLA	O1A-CGA-O2A-C1
22	B	830	CLA	O1A-CGA-O2A-C1
22	L	203	CLA	O1A-CGA-O2A-C1
22	K	102	CLA	O1D-CGD-O2D-CED
22	7	306	CLA	O1D-CGD-O2D-CED
22	B	838	CLA	O1D-CGD-O2D-CED
22	1	305	CLA	O1D-CGD-O2D-CED
22	1	310	CLA	O1D-CGD-O2D-CED
22	A	808	CLA	CBD-CGD-O2D-CED
22	A	821	CLA	CBD-CGD-O2D-CED
22	2	302	CLA	CBD-CGD-O2D-CED
28	B	845	DGD	O1B-C1B-O2G-C2G
22	4	312	CLA	O1D-CGD-O2D-CED
22	A	818	CLA	C3-C5-C6-C7
22	A	819	CLA	C3-C5-C6-C7
22	A	834	CLA	C3-C5-C6-C7
22	B	808	CLA	C3-C5-C6-C7
22	B	819	CLA	C3-C5-C6-C7
22	B	822	CLA	C3-C5-C6-C7
22	B	833	CLA	C3-C5-C6-C7
22	B	849	CLA	C3-C5-C6-C7
22	L	204	CLA	C3-C5-C6-C7
22	4	303	CLA	C3-C5-C6-C7
22	5	302	CLA	C3-C5-C6-C7
22	5	303	CLA	C3-C5-C6-C7
22	6	310	CLA	C3-C5-C6-C7
22	6	304	CLA	C13-C15-C16-C17
22	A	810	CLA	CBA-CGA-O2A-C1
22	A	834	CLA	CBA-CGA-O2A-C1
22	A	838	CLA	CBA-CGA-O2A-C1
22	B	804	CLA	CBA-CGA-O2A-C1
22	B	836	CLA	CBA-CGA-O2A-C1
22	Z	204	CLA	CBA-CGA-O2A-C1
22	4	304	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
24	2	315	LHG	C24-C23-O8-C6
22	A	813	CLA	CBD-CGD-O2D-CED
22	A	817	CLA	CBD-CGD-O2D-CED
22	B	811	CLA	CBD-CGD-O2D-CED
22	B	815	CLA	CBD-CGD-O2D-CED
22	1	306	CLA	CBD-CGD-O2D-CED
22	2	309	CLA	CBD-CGD-O2D-CED
22	3	302	CLA	CBD-CGD-O2D-CED
22	5	305	CLA	CBD-CGD-O2D-CED
22	5	311	CLA	CBD-CGD-O2D-CED
22	6	303	CLA	CBD-CGD-O2D-CED
22	6	304	CLA	CBD-CGD-O2D-CED
22	6	312	CLA	CBD-CGD-O2D-CED
22	6	314	CLA	CBD-CGD-O2D-CED
22	7	304	CLA	CBD-CGD-O2D-CED
22	7	313	CLA	CBD-CGD-O2D-CED
22	6	313	CLA	O1D-CGD-O2D-CED
22	1	309	CLA	C2C-C3C-CAC-CBC
22	A	859	CLA	C4-C3-C5-C6
22	1	307	CLA	C4-C3-C5-C6
22	2	304	CLA	C4-C3-C5-C6
22	4	305	CLA	C4-C3-C5-C6
22	6	306	CLA	C4-C3-C5-C6
22	A	859	CLA	C2-C3-C5-C6
22	4	305	CLA	C2-C3-C5-C6
22	B	829	CLA	CBD-CGD-O2D-CED
22	7	303	CLA	O1D-CGD-O2D-CED
22	2	305	CLA	C2A-CAA-CBA-CGA
22	4	305	CLA	C2A-CAA-CBA-CGA
22	5	304	CLA	C2A-CAA-CBA-CGA
22	5	310	CLA	C3-C5-C6-C7
22	6	306	CLA	C2A-CAA-CBA-CGA
22	7	306	CLA	C2A-CAA-CBA-CGA
22	B	807	CLA	C3-C5-C6-C7
22	B	809	CLA	C3-C5-C6-C7
22	B	829	CLA	C3-C5-C6-C7
22	5	307	CLA	C3-C5-C6-C7
22	7	306	CLA	C3-C5-C6-C7
22	A	807	CLA	CBA-CGA-O2A-C1
22	A	809	CLA	CBA-CGA-O2A-C1
22	A	822	CLA	CBA-CGA-O2A-C1
22	A	836	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
22	B	830	CLA	CBA-CGA-O2A-C1
22	L	203	CLA	CBA-CGA-O2A-C1
22	1	310	CLA	CBA-CGA-O2A-C1
23	A	840	A1L64	C12-C13-C14-C16
25	J	103	BCR	C19-C20-C21-C22
29	1	311	5X6	C23-C24-C25-C26
29	5	321	5X6	C17-C18-C19-C20
29	7	316	5X6	C17-C18-C19-C20
22	A	807	CLA	O1A-CGA-O2A-C1
22	A	809	CLA	O1A-CGA-O2A-C1
22	A	838	CLA	O1A-CGA-O2A-C1
22	B	838	CLA	O1A-CGA-O2A-C1
22	3	303	CLA	O1D-CGD-O2D-CED
22	4	302	CLA	O1D-CGD-O2D-CED
22	B	836	CLA	C2-C1-O2A-CGA
22	A	833	CLA	C3-C5-C6-C7
22	5	309	CLA	CBD-CGD-O2D-CED
22	6	305	CLA	CBD-CGD-O2D-CED
22	7	310	CLA	CBD-CGD-O2D-CED
24	1	317	LHG	O2-C2-C3-O3
22	A	814	CLA	O1D-CGD-O2D-CED
22	O	206	CLA	O1D-CGD-O2D-CED
22	1	302	CLA	O1D-CGD-O2D-CED
22	4	310	CLA	O1D-CGD-O2D-CED
22	A	839	CLA	CBA-CGA-O2A-C1
22	B	838	CLA	CBA-CGA-O2A-C1
30	5	320	LMT	O5B-C5B-C6B-O6B
22	A	822	CLA	O1A-CGA-O2A-C1
22	B	836	CLA	O1A-CGA-O2A-C1
30	O	201	LMT	O5B-C5B-C6B-O6B
22	B	804	CLA	CBD-CGD-O2D-CED
30	4	319	LMT	O5B-C5B-C6B-O6B
22	7	312	CLA	O1D-CGD-O2D-CED
22	B	814	CLA	C3-C5-C6-C7
22	4	309	CLA	C3-C5-C6-C7
22	B	822	CLA	CBD-CGD-O2D-CED
22	2	304	CLA	CBD-CGD-O2D-CED
30	5	320	LMT	C4B-C5B-C6B-O6B
22	B	816	CLA	CBA-CGA-O2A-C1
22	A	815	CLA	C4-C3-C5-C6
22	B	806	CLA	C4-C3-C5-C6
22	4	309	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
22	A	808	CLA	C2-C3-C5-C6
22	A	815	CLA	C2-C3-C5-C6
22	B	806	CLA	C2-C3-C5-C6
22	2	304	CLA	C2-C3-C5-C6
22	1	309	CLA	C4C-C3C-CAC-CBC
22	2	308	CLA	O1D-CGD-O2D-CED
23	A	840	A1L64	C9-C11-C12-C13
23	A	840	A1L64	C19-C21-C22-C23
22	O	203	CLA	CBA-CGA-O2A-C1
22	6	306	CLA	CBD-CGD-O2D-CED
22	7	305	CLA	CBD-CGD-O2D-CED
22	A	827	CLA	C2A-CAA-CBA-CGA
22	4	306	CLA	C2A-CAA-CBA-CGA
22	A	839	CLA	O1A-CGA-O2A-C1
22	B	816	CLA	O1A-CGA-O2A-C1
22	B	817	CLA	C3-C5-C6-C7
22	6	307	CLA	C13-C15-C16-C17
22	A	808	CLA	CBA-CGA-O2A-C1
22	A	834	CLA	CBD-CGD-O2D-CED
22	B	806	CLA	CBD-CGD-O2D-CED
22	Z	201	CLA	CBD-CGD-O2D-CED
22	4	303	CLA	CBD-CGD-O2D-CED
22	2	302	CLA	O1D-CGD-O2D-CED
22	B	823	CLA	CBD-CGD-O2D-CED
22	2	304	CLA	O1A-CGA-O2A-C1
24	1	317	LHG	C1-C2-C3-O3
22	A	825	CLA	CBA-CGA-O2A-C1
22	A	829	CLA	CBA-CGA-O2A-C1
22	A	830	CLA	CBA-CGA-O2A-C1
22	B	814	CLA	CBA-CGA-O2A-C1
22	B	831	CLA	CBA-CGA-O2A-C1
22	2	304	CLA	CBA-CGA-O2A-C1
22	4	309	CLA	CBA-CGA-O2A-C1
22	A	808	CLA	O1D-CGD-O2D-CED
22	A	821	CLA	O1D-CGD-O2D-CED
22	B	811	CLA	O1D-CGD-O2D-CED
22	5	305	CLA	O1D-CGD-O2D-CED
30	4	319	LMT	C4'-C5'-C6'-O6'
22	A	808	CLA	C4-C3-C5-C6
22	1	307	CLA	C2-C3-C5-C6
22	1	310	CLA	C2-C3-C5-C6
22	4	309	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
22	6	306	CLA	C2-C3-C5-C6
22	A	804	CLA	C6-C7-C8-C9
22	A	820	CLA	C11-C10-C8-C9
22	A	834	CLA	C11-C10-C8-C9
22	A	839	CLA	C11-C10-C8-C9
22	A	859	CLA	C11-C10-C8-C9
22	B	808	CLA	C6-C7-C8-C9
22	B	809	CLA	C11-C12-C13-C14
22	B	810	CLA	C11-C12-C13-C14
22	B	811	CLA	C6-C7-C8-C9
22	B	811	CLA	C11-C10-C8-C9
22	B	813	CLA	C14-C13-C15-C16
22	B	817	CLA	C11-C10-C8-C9
22	B	829	CLA	C6-C7-C8-C9
22	B	838	CLA	C6-C7-C8-C9
22	L	204	CLA	C11-C10-C8-C9
22	O	206	CLA	C6-C7-C8-C9
22	1	310	CLA	C6-C7-C8-C9
22	4	303	CLA	C6-C7-C8-C9
30	O	201	LMT	C4B-C5B-C6B-O6B
22	A	813	CLA	O1D-CGD-O2D-CED
22	A	817	CLA	O1D-CGD-O2D-CED
22	1	306	CLA	O1D-CGD-O2D-CED
22	3	302	CLA	O1D-CGD-O2D-CED
22	4	309	CLA	O1A-CGA-O2A-C1
25	L	202	BCR	C7-C8-C9-C34
25	L	206	BCR	C7-C8-C9-C34
25	Z	202	BCR	C37-C22-C23-C24
25	Z	205	BCR	C7-C8-C9-C34
25	2	301	BCR	C7-C8-C9-C34
25	4	316	BCR	C7-C8-C9-C34
29	B	851	5X6	C15-C16-C17-C41
29	J	104	5X6	C15-C16-C17-C41
29	J	104	5X6	C11-C12-C13-C42
29	O	208	5X6	C15-C16-C17-C41
29	O	208	5X6	C11-C12-C13-C42
29	1	311	5X6	C39-C26-C27-C28
29	1	312	5X6	C39-C26-C27-C28
29	1	312	5X6	C40-C22-C23-C24
29	1	313	5X6	C40-C22-C23-C24
29	1	314	5X6	C39-C26-C27-C28
29	1	316	5X6	C11-C12-C13-C42

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Mol	Chain	Res	Type	Atoms
29	2	312	5X6	C40-C22-C23-C24
29	2	313	5X6	C15-C16-C17-C41
29	2	313	5X6	C39-C26-C27-C28
29	2	313	5X6	C40-C22-C23-C24
29	2	314	5X6	C11-C12-C13-C42
29	2	314	5X6	C40-C22-C23-C24
29	3	306	5X6	C40-C22-C23-C24
29	4	313	5X6	C39-C26-C27-C28
29	4	314	5X6	C15-C16-C17-C41
29	4	314	5X6	C39-C26-C27-C28
29	4	315	5X6	C11-C12-C13-C42
29	5	314	5X6	C39-C26-C27-C28
29	5	314	5X6	C40-C22-C23-C24
29	5	321	5X6	C15-C16-C17-C41
29	5	321	5X6	C11-C12-C13-C42
29	6	316	5X6	C15-C16-C17-C41
29	6	316	5X6	C40-C22-C23-C24
29	6	317	5X6	C40-C22-C23-C24
29	7	314	5X6	C15-C16-C17-C41
29	7	315	5X6	C15-C16-C17-C41
29	7	315	5X6	C39-C26-C27-C28
29	7	315	5X6	C40-C22-C23-C24
29	7	316	5X6	C11-C12-C13-C42
29	7	318	5X6	C39-C26-C27-C28
29	7	318	5X6	C11-C12-C13-C42
29	7	318	5X6	C40-C22-C23-C24
25	Z	205	BCR	C7-C8-C9-C10
29	M	101	5X6	C11-C12-C13-C14
29	1	311	5X6	C21-C22-C23-C24
29	1	312	5X6	C11-C12-C13-C14
29	1	316	5X6	C15-C16-C17-C18
29	2	312	5X6	C11-C12-C13-C14
29	7	314	5X6	C11-C12-C13-C14
29	7	317	5X6	C15-C16-C17-C18
29	7	317	5X6	C21-C22-C23-C24
22	L	204	CLA	C2A-CAA-CBA-CGA
22	A	829	CLA	O1A-CGA-O2A-C1
22	7	304	CLA	O1D-CGD-O2D-CED
22	A	802	CLA	CBA-CGA-O2A-C1
22	B	812	CLA	CBA-CGA-O2A-C1
22	B	815	CLA	O1D-CGD-O2D-CED
22	6	304	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
22	7	313	CLA	O1D-CGD-O2D-CED
22	5	302	CLA	C15-C16-C17-C18
24	A	842	LHG	O1-C1-C2-O2
30	4	319	LMT	C4B-C5B-C6B-O6B
22	6	314	CLA	O1D-CGD-O2D-CED
22	A	825	CLA	O1A-CGA-O2A-C1
22	B	814	CLA	O1A-CGA-O2A-C1
22	A	816	CLA	C15-C16-C17-C18
22	A	832	CLA	CBD-CGD-O2D-CED
22	A	859	CLA	C11-C12-C13-C15
22	5	303	CLA	C6-C7-C8-C10
22	6	312	CLA	O1D-CGD-O2D-CED
22	B	811	CLA	CBA-CGA-O2A-C1
22	4	308	CLA	CBA-CGA-O2A-C1
22	B	838	CLA	C15-C16-C17-C18
22	5	311	CLA	O1D-CGD-O2D-CED
24	4	318	LHG	C23-C24-C25-C26
29	M	101	5X6	C23-C24-C25-C26
29	2	313	5X6	C23-C24-C25-C26
29	7	318	5X6	C17-C18-C19-C20
22	6	303	CLA	O1D-CGD-O2D-CED
23	A	840	A1L64	C14-C16-C17-C18
23	B	840	A1L64	C19-C21-C22-C23
30	F	202	LMT	O1'-C1-C2-C3
22	B	813	CLA	C3-C5-C6-C7
22	2	309	CLA	O1D-CGD-O2D-CED
22	A	812	CLA	C10-C11-C12-C13
22	B	807	CLA	C8-C10-C11-C12
22	B	811	CLA	C15-C16-C17-C18
22	B	833	CLA	C10-C11-C12-C13
22	B	835	CLA	C5-C6-C7-C8
22	B	837	CLA	C13-C15-C16-C17
30	4	319	LMT	O5'-C5'-C6'-O6'
22	A	806	CLA	C2A-CAA-CBA-CGA
22	A	821	CLA	C2A-CAA-CBA-CGA
22	B	837	CLA	C2A-CAA-CBA-CGA
22	O	203	CLA	C2A-CAA-CBA-CGA
29	O	207	5X6	C22-C23-C24-C25
29	1	316	5X6	C14-C15-C16-C17
29	2	312	5X6	C22-C23-C24-C25
29	2	314	5X6	C22-C23-C24-C25
29	7	315	5X6	C14-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
22	A	820	CLA	C10-C11-C12-C13
22	A	820	CLA	C15-C16-C17-C18
22	B	830	CLA	C5-C6-C7-C8
22	B	837	CLA	C10-C11-C12-C13
22	4	309	CLA	C13-C15-C16-C17
22	5	303	CLA	C10-C11-C12-C13
22	6	305	CLA	C13-C15-C16-C17
28	B	845	DGD	C1B-C2B-C3B-C4B
22	A	802	CLA	O1A-CGA-O2A-C1
29	O	207	5X6	C26-C27-C28-C29
29	6	316	5X6	C03-C11-C12-C13
29	7	315	5X6	C03-C11-C12-C13
22	B	829	CLA	O1D-CGD-O2D-CED
22	A	809	CLA	C10-C11-C12-C13
22	A	831	CLA	C15-C16-C17-C18
22	A	837	CLA	C10-C11-C12-C13
22	B	812	CLA	C5-C6-C7-C8
22	B	831	CLA	C8-C10-C11-C12
22	6	307	CLA	C8-C10-C11-C12
22	1	308	CLA	CBD-CGD-O2D-CED
22	A	808	CLA	O1A-CGA-O2A-C1
22	A	830	CLA	O1A-CGA-O2A-C1
22	B	831	CLA	O1A-CGA-O2A-C1
22	B	813	CLA	C10-C11-C12-C13
22	7	306	CLA	C5-C6-C7-C8
22	7	310	CLA	O1D-CGD-O2D-CED
22	A	812	CLA	C15-C16-C17-C18
22	B	815	CLA	C5-C6-C7-C8
22	B	827	CLA	C15-C16-C17-C18
22	Z	204	CLA	C10-C11-C12-C13
22	A	826	CLA	C15-C16-C17-C18
22	A	827	CLA	C5-C6-C7-C8
22	A	834	CLA	C10-C11-C12-C13
22	B	812	CLA	O1A-CGA-O2A-C1
22	4	308	CLA	O1A-CGA-O2A-C1
22	5	309	CLA	O1D-CGD-O2D-CED
24	1	317	LHG	C23-C24-C25-C26
22	A	806	CLA	C13-C15-C16-C17
22	O	206	CLA	C3-C5-C6-C7
29	5	314	5X6	C17-C18-C19-C20
22	B	817	CLA	C2A-CAA-CBA-CGA
22	2	311	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
22	B	835	CLA	CBA-CGA-O2A-C1
28	B	845	DGD	C2A-C1A-O1G-C1G
29	1	316	5X6	C18-C19-C20-C21
29	2	312	5X6	C18-C19-C20-C21
22	A	820	CLA	C8-C10-C11-C12
22	A	827	CLA	C15-C16-C17-C18
22	B	811	CLA	C5-C6-C7-C8
22	B	815	CLA	C13-C15-C16-C17
22	B	819	CLA	C8-C10-C11-C12
22	B	822	CLA	C8-C10-C11-C12
22	B	825	CLA	C10-C11-C12-C13
22	L	203	CLA	C5-C6-C7-C8
22	1	310	CLA	C13-C15-C16-C17
22	4	308	CLA	C5-C6-C7-C8
22	6	304	CLA	C10-C11-C12-C13
22	1	310	CLA	C3-C5-C6-C7
22	A	818	CLA	C10-C11-C12-C13
22	B	813	CLA	C5-C6-C7-C8
22	F	204	CLA	C10-C11-C12-C13
22	1	302	CLA	C15-C16-C17-C18
22	2	305	CLA	C5-C6-C7-C8
22	4	305	CLA	C5-C6-C7-C8
22	A	826	CLA	C10-C11-C12-C13
22	A	827	CLA	C13-C15-C16-C17
22	B	809	CLA	C8-C10-C11-C12
22	B	810	CLA	C15-C16-C17-C18
22	F	204	CLA	C8-C10-C11-C12
22	K	101	CLA	C5-C6-C7-C8
22	1	310	CLA	C10-C11-C12-C13
22	6	305	CLA	C5-C6-C7-C8
22	3	305	CLA	CBA-CGA-O2A-C1
22	B	814	CLA	C8-C10-C11-C12
24	A	842	LHG	C7-C8-C9-C10
22	1	310	CLA	C4-C3-C5-C6
22	A	826	CLA	C8-C10-C11-C12
22	B	804	CLA	C13-C15-C16-C17
22	B	825	CLA	C13-C15-C16-C17
22	4	304	CLA	C8-C10-C11-C12
22	B	822	CLA	C11-C12-C13-C14
22	O	206	CLA	C10-C11-C12-C13
22	2	304	CLA	O1D-CGD-O2D-CED
22	6	305	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
22	B	805	CLA	CBA-CGA-O2A-C1
22	B	837	CLA	CBA-CGA-O2A-C1
22	K	101	CLA	CBA-CGA-O2A-C1
22	A	859	CLA	C16-C17-C18-C19
22	5	303	CLA	C16-C17-C18-C19
29	J	104	5X6	C24-C25-C26-C39
29	1	311	5X6	C41-C17-C18-C19
29	1	311	5X6	C24-C25-C26-C39
29	1	314	5X6	C42-C13-C14-C15
29	1	316	5X6	C41-C17-C18-C19
29	3	306	5X6	C24-C25-C26-C39
29	4	314	5X6	C24-C25-C26-C39
29	5	313	5X6	C41-C17-C18-C19
29	6	317	5X6	C24-C25-C26-C39
29	7	315	5X6	C20-C21-C22-C40
29	7	318	5X6	C24-C25-C26-C39
22	Z	204	CLA	C3-C5-C6-C7
22	4	308	CLA	CBD-CGD-O2D-CED
22	B	804	CLA	O1D-CGD-O2D-CED
22	4	309	CLA	C8-C10-C11-C12
29	O	208	5X6	C40-C22-C23-C24
29	1	314	5X6	C15-C16-C17-C41
29	1	314	5X6	C11-C12-C13-C42
29	1	314	5X6	C40-C22-C23-C24
29	1	316	5X6	C40-C22-C23-C24
29	2	314	5X6	C15-C16-C17-C41
29	2	314	5X6	C39-C26-C27-C28
29	4	315	5X6	C40-C22-C23-C24
29	5	313	5X6	C15-C16-C17-C41
29	5	313	5X6	C11-C12-C13-C42
29	5	314	5X6	C15-C16-C17-C41
29	5	321	5X6	C40-C22-C23-C24
29	6	317	5X6	C39-C26-C27-C28
29	6	317	5X6	C11-C12-C13-C42
29	7	315	5X6	C11-C12-C13-C42
29	7	316	5X6	C15-C16-C17-C41
29	7	317	5X6	C11-C12-C13-C42
25	B	844	BCR	C7-C8-C9-C10
25	L	206	BCR	C7-C8-C9-C10
29	M	101	5X6	C25-C26-C27-C28
29	7	317	5X6	C25-C26-C27-C28
29	7	318	5X6	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
22	A	818	CLA	C2A-CAA-CBA-CGA
22	2	306	CLA	C2A-CAA-CBA-CGA
22	4	312	CLA	C2A-CAA-CBA-CGA
22	1	310	CLA	C15-C16-C17-C18
24	A	842	LHG	O1-C1-C2-C3
22	1	307	CLA	O2A-C1-C2-C3
22	O	203	CLA	O1A-CGA-O2A-C1
29	4	315	5X6	C17-C18-C19-C20
22	B	813	CLA	C16-C17-C18-C20
22	K	101	CLA	C6-C7-C8-C10
22	5	303	CLA	C16-C17-C18-C20
22	B	811	CLA	O1A-CGA-O2A-C1
22	B	835	CLA	O1A-CGA-O2A-C1
22	A	831	CLA	C3-C5-C6-C7
22	3	301	CLA	C3-C5-C6-C7
25	L	202	BCR	C11-C10-C9-C8
29	J	104	5X6	C16-C17-C18-C19
29	M	101	5X6	C24-C25-C26-C27
29	Z	206	5X6	C20-C21-C22-C23
29	1	312	5X6	C24-C25-C26-C27
29	1	313	5X6	C16-C17-C18-C19
29	1	313	5X6	C12-C13-C14-C15
29	1	314	5X6	C12-C13-C14-C15
29	1	316	5X6	C20-C21-C22-C23
29	3	306	5X6	C16-C17-C18-C19
29	5	314	5X6	C24-C25-C26-C27
29	5	314	5X6	C20-C21-C22-C23
29	6	315	5X6	C12-C13-C14-C15
29	7	314	5X6	C24-C25-C26-C27
29	7	315	5X6	C16-C17-C18-C19
29	7	315	5X6	C20-C21-C22-C23
29	7	317	5X6	C24-C25-C26-C27
29	7	317	5X6	C12-C13-C14-C15
29	7	318	5X6	C16-C17-C18-C19
24	6	319	LHG	C8-C7-O7-C5
22	7	305	CLA	O1D-CGD-O2D-CED
22	B	822	CLA	O1D-CGD-O2D-CED
22	Z	201	CLA	O1D-CGD-O2D-CED
22	3	305	CLA	CBD-CGD-O2D-CED
22	1	302	CLA	C2-C1-O2A-CGA
22	A	832	CLA	C16-C17-C18-C19
22	A	859	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
22	6	305	CLA	C10-C11-C12-C13
30	F	202	LMT	C6-C7-C8-C9
29	O	207	5X6	C18-C19-C20-C21
29	O	208	5X6	C18-C19-C20-C21
29	2	313	5X6	C18-C19-C20-C21
29	4	314	5X6	C18-C19-C20-C21
29	5	313	5X6	C18-C19-C20-C21
22	A	834	CLA	O1D-CGD-O2D-CED
22	A	831	CLA	C10-C11-C12-C13
22	B	831	CLA	C5-C6-C7-C8
22	B	849	CLA	C5-C6-C7-C8
22	7	309	CLA	C5-C6-C7-C8
22	1	303	CLA	CBA-CGA-O2A-C1
24	A	860	LHG	C25-C26-C27-C28
28	B	845	DGD	CAA-CBA-CCA-CDA
22	6	306	CLA	O1D-CGD-O2D-CED
22	4	303	CLA	O1D-CGD-O2D-CED
24	2	315	LHG	C8-C7-O7-C5
22	A	817	CLA	C11-C10-C8-C7
22	B	818	CLA	C11-C10-C8-C7
24	A	841	LHG	C29-C30-C31-C32
22	B	837	CLA	C15-C16-C17-C18
24	A	841	LHG	C11-C10-C9-C8
22	3	305	CLA	O1A-CGA-O2A-C1
28	B	845	DGD	O1A-C1A-O1G-C1G
22	A	831	CLA	C3A-C2A-CAA-CBA
22	A	859	CLA	C3A-C2A-CAA-CBA
22	B	804	CLA	C3A-C2A-CAA-CBA
22	B	831	CLA	C3A-C2A-CAA-CBA
22	7	306	CLA	C3A-C2A-CAA-CBA
28	B	845	DGD	CEA-CFA-CGA-CHA
24	2	315	LHG	C7-C8-C9-C10
29	1	316	5X6	C13-C14-C15-C16
21	A	801	CL0	CBA-CGA-O2A-C1
22	A	828	CLA	CBA-CGA-O2A-C1
22	A	859	CLA	CBA-CGA-O2A-C1
22	B	829	CLA	CBA-CGA-O2A-C1
30	5	320	LMT	C5-C6-C7-C8
28	B	845	DGD	C7A-C8A-C9A-CAA
22	B	805	CLA	O1A-CGA-O2A-C1
22	B	837	CLA	O1A-CGA-O2A-C1
25	A	844	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
25	A	845	BCR	C23-C24-C25-C30
25	B	842	BCR	C1-C6-C7-C8
29	B	851	5X6	C27-C28-C29-C30
29	J	104	5X6	C27-C28-C29-C34
29	O	207	5X6	C04-C03-C11-C12
29	O	208	5X6	C02-C03-C11-C12
29	2	312	5X6	C02-C03-C11-C12
29	4	314	5X6	C02-C03-C11-C12
29	4	315	5X6	C04-C03-C11-C12
29	5	312	5X6	C02-C03-C11-C12
29	5	321	5X6	C27-C28-C29-C30
29	6	316	5X6	C02-C03-C11-C12
29	6	317	5X6	C02-C03-C11-C12
29	7	317	5X6	C02-C03-C11-C12
22	2	305	CLA	CBD-CGD-O2D-CED
22	B	839	CLA	C15-C16-C17-C18
22	7	309	CLA	C3-C5-C6-C7
28	B	845	DGD	C4A-C5A-C6A-C7A
22	1	305	CLA	C2A-CAA-CBA-CGA
21	A	801	CL0	O1A-CGA-O2A-C1
22	A	859	CLA	O1A-CGA-O2A-C1
22	K	101	CLA	O1A-CGA-O2A-C1
22	1	303	CLA	O1A-CGA-O2A-C1
22	L	203	CLA	C8-C10-C11-C12
22	B	806	CLA	O1D-CGD-O2D-CED
29	1	316	5X6	C22-C23-C24-C25
29	4	314	5X6	C22-C23-C24-C25
29	7	315	5X6	C22-C23-C24-C25
22	A	839	CLA	C10-C11-C12-C13
22	A	828	CLA	C2-C3-C5-C6
22	B	813	CLA	C16-C17-C18-C19
22	A	820	CLA	CBA-CGA-O2A-C1
22	1	303	CLA	C11-C12-C13-C14
29	O	208	5X6	C26-C27-C28-C29
22	6	306	CLA	C5-C6-C7-C8
22	A	859	CLA	C15-C16-C17-C18
22	7	304	CLA	C3-C5-C6-C7
22	B	825	CLA	CBA-CGA-O2A-C1
29	O	207	5X6	C17-C18-C19-C20
29	7	315	5X6	C19-C20-C21-C22
22	B	850	CLA	CBD-CGD-O2D-CED
24	4	318	LHG	C8-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
22	B	804	CLA	C8-C10-C11-C12
22	4	306	CLA	CBD-CGD-O2D-CED
28	B	845	DGD	CDA-CEA-CFA-CGA
29	1	316	5X6	C11-C12-C13-C14
29	4	315	5X6	C25-C26-C27-C28
29	6	315	5X6	C11-C12-C13-C14
29	7	318	5X6	C11-C12-C13-C14
22	A	824	CLA	CBA-CGA-O2A-C1
22	A	838	CLA	C16-C17-C18-C19
22	B	823	CLA	C4-C3-C5-C6
30	F	202	LMT	C2-C3-C4-C5
22	A	820	CLA	C5-C6-C7-C8
22	B	801	CLA	C15-C16-C17-C18
22	B	819	CLA	C5-C6-C7-C8
22	B	824	CLA	C13-C15-C16-C17
22	2	304	CLA	C8-C10-C11-C12
22	4	309	CLA	C5-C6-C7-C8
24	2	315	LHG	C24-C25-C26-C27
30	5	320	LMT	C11-C10-C9-C8
22	B	803	CLA	C16-C17-C18-C20
22	K	101	CLA	C6-C7-C8-C9
22	A	828	CLA	O1A-CGA-O2A-C1
22	B	829	CLA	O1A-CGA-O2A-C1
24	1	317	LHG	C17-C18-C19-C20
22	A	803	CLA	C15-C16-C17-C18
24	A	842	LHG	C16-C17-C18-C19
22	A	802	CLA	C3-C5-C6-C7
22	2	304	CLA	C3-C5-C6-C7
22	A	833	CLA	C10-C11-C12-C13
22	3	305	CLA	C5-C6-C7-C8
22	A	807	CLA	C2-C1-O2A-CGA
22	A	812	CLA	C2-C1-O2A-CGA
28	B	845	DGD	O6E-C5E-C6E-O5E
22	A	832	CLA	O1D-CGD-O2D-CED
28	B	845	DGD	CBA-CCA-CDA-CEA
22	A	828	CLA	C4-C3-C5-C6
22	A	825	CLA	C2-C3-C5-C6
28	B	845	DGD	C2A-C3A-C4A-C5A
22	2	308	CLA	C5-C6-C7-C8
24	1	317	LHG	C19-C20-C21-C22
24	4	318	LHG	C24-C25-C26-C27
22	Z	204	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
22	B	823	CLA	O1D-CGD-O2D-CED
22	A	820	CLA	O1A-CGA-O2A-C1
22	A	807	CLA	C3-C5-C6-C7
22	2	305	CLA	C3-C5-C6-C7
22	A	816	CLA	C1A-C2A-CAA-CBA
22	A	820	CLA	C1A-C2A-CAA-CBA
22	A	831	CLA	C1A-C2A-CAA-CBA
22	A	834	CLA	C1A-C2A-CAA-CBA
22	B	820	CLA	C1A-C2A-CAA-CBA
22	O	206	CLA	C1A-C2A-CAA-CBA
22	1	306	CLA	C1A-C2A-CAA-CBA
22	3	301	CLA	C1A-C2A-CAA-CBA
22	3	305	CLA	C1A-C2A-CAA-CBA
22	4	305	CLA	C1A-C2A-CAA-CBA
22	5	304	CLA	C1A-C2A-CAA-CBA
22	5	311	CLA	C1A-C2A-CAA-CBA
22	6	303	CLA	C1A-C2A-CAA-CBA
22	6	308	CLA	C1A-C2A-CAA-CBA
22	A	833	CLA	C8-C10-C11-C12
22	A	824	CLA	O1A-CGA-O2A-C1
22	7	306	CLA	C2C-C3C-CAC-CBC
22	A	812	CLA	C11-C10-C8-C7
22	A	823	CLA	C11-C10-C8-C7
22	A	839	CLA	C11-C10-C8-C7
22	A	859	CLA	C11-C10-C8-C7
22	B	806	CLA	C11-C12-C13-C15
22	B	814	CLA	C6-C7-C8-C10
22	B	815	CLA	C11-C10-C8-C7
22	B	817	CLA	C11-C10-C8-C7
22	B	825	CLA	C6-C7-C8-C10
22	B	837	CLA	C11-C10-C8-C7
22	B	838	CLA	C6-C7-C8-C10
22	L	204	CLA	C6-C7-C8-C10
22	4	304	CLA	C6-C7-C8-C10
22	B	816	CLA	C16-C17-C18-C20
22	A	812	CLA	C4-C3-C5-C6
23	B	840	A1L64	C20-C19-C21-C22
22	A	812	CLA	C2-C3-C5-C6
22	5	303	CLA	C2-C3-C5-C6
22	A	828	CLA	C10-C11-C12-C13
22	1	307	CLA	C2A-CAA-CBA-CGA
22	A	818	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
22	B	806	CLA	C11-C12-C13-C14
22	B	814	CLA	C6-C7-C8-C9
22	B	815	CLA	C11-C10-C8-C9
22	B	822	CLA	C6-C7-C8-C9
22	B	825	CLA	C6-C7-C8-C9
22	L	204	CLA	C6-C7-C8-C9
22	5	303	CLA	C6-C7-C8-C9
22	6	304	CLA	C11-C10-C8-C9
24	1	317	LHG	C14-C15-C16-C17
22	5	306	CLA	C8-C10-C11-C12
22	5	310	CLA	CBA-CGA-O2A-C1
22	1	308	CLA	O1D-CGD-O2D-CED
21	A	801	CL0	CHA-CBD-CGD-O2D
25	L	202	BCR	C11-C10-C9-C34
22	B	811	CLA	C10-C11-C12-C13
22	A	825	CLA	C4-C3-C5-C6
22	B	832	CLA	C4-C3-C5-C6
22	B	832	CLA	C2-C3-C5-C6
22	A	824	CLA	C5-C6-C7-C8
22	A	859	CLA	C10-C11-C12-C13
22	B	816	CLA	C10-C11-C12-C13
29	O	207	5X6	C40-C22-C23-C24
29	2	312	5X6	C11-C12-C13-C42
24	1	317	LHG	C16-C17-C18-C19
29	1	314	5X6	C25-C26-C27-C28
29	1	314	5X6	C11-C12-C13-C14
29	4	315	5X6	C11-C12-C13-C14
29	5	321	5X6	C25-C26-C27-C28
22	B	825	CLA	O1A-CGA-O2A-C1
22	B	831	CLA	C13-C15-C16-C17
22	1	302	CLA	C13-C15-C16-C17
22	1	303	CLA	C8-C10-C11-C12
22	B	810	CLA	CBA-CGA-O2A-C1
22	B	831	CLA	O2A-C1-C2-C3
29	1	311	5X6	C22-C23-C24-C25
22	A	826	CLA	C13-C15-C16-C17
22	A	830	CLA	C5-C6-C7-C8
22	2	304	CLA	C13-C15-C16-C17
29	2	314	5X6	C17-C18-C19-C20
29	7	318	5X6	C19-C20-C21-C22
22	A	820	CLA	C16-C17-C18-C19
29	6	317	5X6	C24-C25-C26-C27

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Mol	Chain	Res	Type	Atoms
29	1	311	5X6	C26-C27-C28-C29
29	4	313	5X6	C26-C27-C28-C29
24	A	841	LHG	C31-C32-C33-C34
24	6	319	LHG	C24-C25-C26-C27
22	5	303	CLA	C4-C3-C5-C6
23	B	840	A1L64	C18-C19-C21-C22
22	B	849	CLA	C10-C11-C12-C13
22	A	805	CLA	CBA-CGA-O2A-C1
23	A	840	A1L64	C22-C23-C24-C25
22	6	311	CLA	CBD-CGD-O2D-CED
22	A	839	CLA	C8-C10-C11-C12
22	K	101	CLA	C3-C5-C6-C7
22	A	836	CLA	C5-C6-C7-C8
30	O	201	LMT	C1-C2-C3-C4
22	F	204	CLA	C14-C13-C15-C16
22	A	819	CLA	C4-C3-C5-C6
22	B	814	CLA	C4-C3-C5-C6
22	1	307	CLA	CBA-CGA-O2A-C1
22	A	828	CLA	C13-C15-C16-C17
24	6	319	LHG	O9-C7-O7-C5
22	A	812	CLA	C11-C10-C8-C9
22	B	837	CLA	C11-C10-C8-C9
22	B	838	CLA	C11-C12-C13-C14
22	4	304	CLA	C6-C7-C8-C9
22	4	304	CLA	C14-C13-C15-C16
22	5	302	CLA	C14-C13-C15-C16
22	6	305	CLA	C11-C10-C8-C9
22	A	817	CLA	C15-C16-C17-C18
22	A	833	CLA	C15-C16-C17-C18
22	A	839	CLA	C13-C15-C16-C17
22	B	805	CLA	C15-C16-C17-C18
22	2	305	CLA	O1D-CGD-O2D-CED
22	4	308	CLA	O1D-CGD-O2D-CED
23	A	840	A1L64	C22-C23-C24-C26
22	A	817	CLA	C16-C17-C18-C20
22	A	816	CLA	CAA-CBA-CGA-O2A
22	A	815	CLA	C12-C13-C15-C16
22	A	816	CLA	C12-C13-C15-C16
22	A	818	CLA	C11-C12-C13-C15
22	A	848	CLA	C11-C12-C13-C15
22	A	859	CLA	C6-C7-C8-C10
22	B	808	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
22	B	809	CLA	C11-C12-C13-C15
22	Z	204	CLA	C12-C13-C15-C16
22	1	303	CLA	C12-C13-C15-C16
22	1	310	CLA	C6-C7-C8-C10
22	4	303	CLA	C6-C7-C8-C10
22	4	304	CLA	C11-C12-C13-C15
22	5	302	CLA	C12-C13-C15-C16
22	6	304	CLA	C12-C13-C15-C16
22	A	858	CLA	C5-C6-C7-C8
22	F	204	CLA	C5-C6-C7-C8
22	B	817	CLA	C11-C12-C13-C14
22	B	823	CLA	C3A-C2A-CAA-CBA
22	B	829	CLA	C3A-C2A-CAA-CBA
22	L	204	CLA	C3A-C2A-CAA-CBA
22	1	306	CLA	C3A-C2A-CAA-CBA
22	6	313	CLA	C3A-C2A-CAA-CBA
22	B	810	CLA	O1A-CGA-O2A-C1
22	4	306	CLA	O1D-CGD-O2D-CED
29	O	207	5X6	C23-C24-C25-C26
29	O	208	5X6	C17-C18-C19-C20
29	2	312	5X6	C19-C20-C21-C22
29	2	312	5X6	C23-C24-C25-C26
29	2	313	5X6	C17-C18-C19-C20
29	7	317	5X6	C19-C20-C21-C22
22	6	306	CLA	C3-C5-C6-C7
29	6	316	5X6	C11-C12-C13-C42
22	5	310	CLA	O1A-CGA-O2A-C1
22	B	806	CLA	C5-C6-C7-C8
22	1	304	CLA	CBD-CGD-O2D-CED
25	Z	202	BCR	C21-C22-C23-C24
29	7	315	5X6	C15-C16-C17-C18
31	6	318	RRX	C7-C8-C9-C10
24	A	841	LHG	C23-C24-C25-C26
22	5	306	CLA	C3-C5-C6-C7
30	5	320	LMT	C3-C4-C5-C6
22	B	822	CLA	C5-C6-C7-C8
22	B	828	CLA	C4-C3-C5-C6
22	1	303	CLA	C4-C3-C5-C6
22	B	828	CLA	C2-C3-C5-C6
22	B	805	CLA	C3-C5-C6-C7
22	B	838	CLA	C5-C6-C7-C8
25	A	845	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
25	B	842	BCR	C23-C24-C25-C26
29	Z	206	5X6	C27-C28-C29-C30
29	1	312	5X6	C04-C03-C11-C12
29	1	314	5X6	C04-C03-C11-C12
29	2	313	5X6	C04-C03-C11-C12
29	2	313	5X6	C27-C28-C29-C34
29	3	306	5X6	C27-C28-C29-C34
29	7	317	5X6	C27-C28-C29-C30
24	A	860	LHG	C8-C7-O7-C5
22	B	825	CLA	C3-C5-C6-C7
22	A	828	CLA	C5-C6-C7-C8
22	A	833	CLA	C13-C15-C16-C17
22	B	850	CLA	O1D-CGD-O2D-CED
29	4	313	5X6	C23-C24-C25-C26
22	7	304	CLA	C6-C7-C8-C9
22	7	304	CLA	C6-C7-C8-C10
28	B	845	DGD	O2G-C2G-C3G-O3G
24	2	315	LHG	C27-C28-C29-C30
28	B	845	DGD	C9A-CAA-CBA-CCA
22	B	802	CLA	C4-C3-C5-C6
28	B	845	DGD	CCB-CDB-CEB-CFB
22	A	807	CLA	C8-C10-C11-C12
24	4	318	LHG	C27-C28-C29-C30
22	Z	204	CLA	C16-C17-C18-C20
24	4	318	LHG	C30-C31-C32-C33
22	L	205	CLA	CBD-CGD-O2D-CED
22	A	823	CLA	C11-C10-C8-C9
22	A	826	CLA	C14-C13-C15-C16
22	B	832	CLA	C14-C13-C15-C16
22	6	304	CLA	C14-C13-C15-C16
29	J	104	5X6	C03-C11-C12-C13
29	2	312	5X6	C03-C11-C12-C13
29	5	312	5X6	C03-C11-C12-C13
29	7	314	5X6	C26-C27-C28-C29
29	7	317	5X6	C26-C27-C28-C29
29	B	851	5X6	C18-C19-C20-C21
22	B	821	CLA	CBA-CGA-O2A-C1
22	B	804	CLA	C16-C17-C18-C19
22	B	816	CLA	C16-C17-C18-C19
22	A	820	CLA	C3-C5-C6-C7
22	2	308	CLA	C3-C5-C6-C7
24	4	318	LHG	C28-C29-C30-C31

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Mol	Chain	Res	Type	Atoms
22	J	102	CLA	C1A-C2A-CAA-CBA
22	K	102	CLA	C1A-C2A-CAA-CBA
22	2	310	CLA	C1A-C2A-CAA-CBA
22	7	306	CLA	C4C-C3C-CAC-CBC
22	1	307	CLA	O1A-CGA-O2A-C1
22	A	822	CLA	C3-C5-C6-C7
22	A	832	CLA	C2-C3-C5-C6
22	B	814	CLA	C2-C3-C5-C6
22	A	826	CLA	C16-C17-C18-C20
22	A	832	CLA	C16-C17-C18-C20
22	3	305	CLA	O1D-CGD-O2D-CED
22	1	303	CLA	C15-C16-C17-C18
22	2	304	CLA	C16-C17-C18-C20
25	B	844	BCR	C7-C8-C9-C34
29	M	101	5X6	C39-C26-C27-C28
29	1	311	5X6	C11-C12-C13-C42
29	4	314	5X6	C11-C12-C13-C42
29	5	312	5X6	C11-C12-C13-C42
29	7	314	5X6	C39-C26-C27-C28
22	A	806	CLA	C11-C12-C13-C15
22	A	820	CLA	C11-C10-C8-C7
22	A	839	CLA	C11-C12-C13-C15
22	B	829	CLA	C6-C7-C8-C10
22	B	832	CLA	C12-C13-C15-C16
22	Z	204	CLA	C11-C12-C13-C15
24	1	317	LHG	C32-C33-C34-C35
24	1	317	LHG	C31-C32-C33-C34
25	L	202	BCR	C7-C8-C9-C10
29	O	208	5X6	C21-C22-C23-C24
29	1	316	5X6	C21-C22-C23-C24
29	2	314	5X6	C11-C12-C13-C14
31	1	315	RRX	C7-C8-C9-C10
22	A	812	CLA	CBA-CGA-O2A-C1
22	A	835	CLA	CBA-CGA-O2A-C1
22	5	305	CLA	C2A-CAA-CBA-CGA
24	2	315	LHG	O9-C7-O7-C5
22	6	305	CLA	C4-C3-C5-C6
24	1	317	LHG	C15-C16-C17-C18
22	5	301	CLA	CBD-CGD-O2D-CED
22	A	820	CLA	C13-C15-C16-C17
22	A	805	CLA	O1A-CGA-O2A-C1
30	4	319	LMT	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
22	A	838	CLA	C16-C17-C18-C20
22	A	835	CLA	O1A-CGA-O2A-C1
29	J	104	5X6	C24-C25-C26-C27
29	1	316	5X6	C12-C13-C14-C15
22	1	310	CLA	C8-C10-C11-C12
24	2	315	LHG	O6-C4-C5-O7
28	B	845	DGD	C8A-C9A-CAA-CBA
22	A	818	CLA	C8-C10-C11-C12
22	A	820	CLA	C16-C17-C18-C20
22	4	303	CLA	C16-C17-C18-C19
22	A	819	CLA	C2-C3-C5-C6
22	B	802	CLA	C2-C3-C5-C6
22	B	823	CLA	C2-C3-C5-C6
22	1	303	CLA	C2-C3-C5-C6
24	1	317	LHG	C30-C31-C32-C33
22	A	858	CLA	C3-C5-C6-C7
22	B	811	CLA	C3-C5-C6-C7
22	B	824	CLA	C3-C5-C6-C7
24	A	860	LHG	O7-C5-C6-O8
24	B	846	LHG	O7-C5-C6-O8
24	1	317	LHG	O7-C5-C6-O8
22	A	857	CLA	C15-C16-C17-C18
22	O	206	CLA	C11-C10-C8-C9
22	B	824	CLA	C16-C17-C18-C19
24	4	318	LHG	O9-C7-O7-C5
24	A	842	LHG	C24-C25-C26-C27
22	B	807	CLA	C13-C15-C16-C17
22	B	832	CLA	C5-C6-C7-C8
22	A	812	CLA	O1A-CGA-O2A-C1
22	B	827	CLA	C2-C1-O2A-CGA
29	M	101	5X6	C19-C20-C21-C22
22	A	809	CLA	C16-C17-C18-C19
22	A	817	CLA	C16-C17-C18-C19
22	6	307	CLA	C16-C17-C18-C19
22	B	831	CLA	C15-C16-C17-C18
22	A	832	CLA	C4-C3-C5-C6
22	A	826	CLA	C16-C17-C18-C19
22	B	806	CLA	C16-C17-C18-C19
22	B	812	CLA	C6-C7-C8-C9
22	B	835	CLA	C8-C10-C11-C12
22	F	206	CLA	O1D-CGD-O2D-CED
22	O	206	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
22	A	848	CLA	O1D-CGD-O2D-CED
22	A	812	CLA	C3-C5-C6-C7
25	A	843	BCR	C7-C8-C9-C34
22	7	303	CLA	C1A-C2A-CAA-CBA
22	7	309	CLA	C1A-C2A-CAA-CBA
22	A	818	CLA	C4-C3-C5-C6
22	B	804	CLA	C4-C3-C5-C6
29	1	313	5X6	C03-C11-C12-C13
29	3	306	5X6	C03-C11-C12-C13
22	B	817	CLA	CAA-CBA-CGA-O2A
29	1	313	5X6	C21-C22-C23-C24
29	6	316	5X6	C15-C16-C17-C18
22	A	839	CLA	C3-C5-C6-C7
22	B	834	CLA	C2-C3-C5-C6
22	A	804	CLA	C6-C7-C8-C10
22	A	807	CLA	C12-C13-C15-C16
22	A	820	CLA	C11-C12-C13-C15
22	B	805	CLA	C11-C10-C8-C7
22	B	811	CLA	C11-C10-C8-C7
22	B	813	CLA	C12-C13-C15-C16
22	B	835	CLA	C11-C10-C8-C7
22	6	307	CLA	C11-C12-C13-C15
22	A	834	CLA	C11-C12-C13-C14
22	6	311	CLA	O1D-CGD-O2D-CED
22	A	810	CLA	C5-C6-C7-C8
22	O	205	CLA	CBA-CGA-O2A-C1
28	B	845	DGD	CAB-CBB-CCB-CDB
22	F	206	CLA	CBD-CGD-O2D-CED
22	O	206	CLA	O1A-CGA-O2A-C1
22	7	309	CLA	O1A-CGA-O2A-C1
22	O	206	CLA	C4-C3-C5-C6
22	7	310	CLA	C2C-C3C-CAC-CBC
24	6	319	LHG	C7-C8-C9-C10
22	A	806	CLA	C11-C12-C13-C14
22	A	815	CLA	C14-C13-C15-C16
22	B	833	CLA	C11-C10-C8-C9
22	Z	204	CLA	C11-C12-C13-C14
29	1	316	5X6	C23-C24-C25-C26
29	7	314	5X6	C13-C14-C15-C16
29	7	318	5X6	C13-C14-C15-C16
22	O	205	CLA	O1A-CGA-O2A-C1
24	A	860	LHG	C30-C31-C32-C33

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Mol	Chain	Res	Type	Atoms
24	A	842	LHG	C4-C5-C6-O8
24	A	860	LHG	C4-C5-C6-O8
24	B	846	LHG	C4-C5-C6-O8
24	6	319	LHG	C4-C5-C6-O8
22	A	815	CLA	C13-C15-C16-C17
22	A	803	CLA	CAD-CBD-CGD-O2D
22	B	834	CLA	CAD-CBD-CGD-O2D
22	L	203	CLA	CAD-CBD-CGD-O2D
22	O	204	CLA	CAD-CBD-CGD-O2D
22	5	304	CLA	CAD-CBD-CGD-O2D
22	A	848	CLA	C15-C16-C17-C18
22	A	806	CLA	C15-C16-C17-C18
22	O	206	CLA	C5-C6-C7-C8
22	B	804	CLA	C16-C17-C18-C20
22	6	304	CLA	C16-C17-C18-C19
22	A	820	CLA	C2A-CAA-CBA-CGA
22	A	816	CLA	C13-C15-C16-C17
22	A	833	CLA	O1D-CGD-O2D-CED
22	B	839	CLA	CAA-CBA-CGA-O2A
21	A	801	CL0	CHA-CBD-CGD-O1D
22	A	803	CLA	CAD-CBD-CGD-O1D
22	B	804	CLA	CHA-CBD-CGD-O1D
22	B	804	CLA	CHA-CBD-CGD-O2D
22	B	805	CLA	CAD-CBD-CGD-O1D
22	B	834	CLA	CAD-CBD-CGD-O1D
22	L	203	CLA	CAD-CBD-CGD-O1D
22	O	204	CLA	CAD-CBD-CGD-O1D
22	2	303	CLA	CHA-CBD-CGD-O1D
22	2	303	CLA	CHA-CBD-CGD-O2D
22	4	303	CLA	CHA-CBD-CGD-O1D
22	4	303	CLA	CHA-CBD-CGD-O2D
22	5	304	CLA	CAD-CBD-CGD-O1D
22	5	307	CLA	CHA-CBD-CGD-O1D
22	7	313	CLA	CHA-CBD-CGD-O1D
22	7	313	CLA	CHA-CBD-CGD-O2D
24	A	841	LHG	C4-O6-P-O5
24	A	842	LHG	C3-O3-P-O5
24	A	860	LHG	C4-O6-P-O5
24	J	106	LHG	C4-O6-P-O3
24	2	315	LHG	C3-O3-P-O6
24	6	319	LHG	C3-O3-P-O5
24	6	319	LHG	C4-O6-P-O3

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Mol	Chain	Res	Type	Atoms
25	B	844	BCR	C11-C10-C9-C34
29	O	208	5X6	C13-C14-C15-C16
29	1	314	5X6	C23-C24-C25-C26
29	7	314	5X6	C19-C20-C21-C22
22	4	303	CLA	C8-C10-C11-C12
22	A	804	CLA	C4-C3-C5-C6
22	B	807	CLA	C4-C3-C5-C6
29	M	101	5X6	C27-C28-C29-C30
29	5	312	5X6	C27-C28-C29-C34
29	5	314	5X6	C27-C28-C29-C34
22	6	305	CLA	C2-C3-C5-C6
22	A	823	CLA	C8-C10-C11-C12
24	A	860	LHG	C2-C3-O3-P
24	2	315	LHG	C2-C3-O3-P
22	B	818	CLA	C10-C11-C12-C13
22	L	205	CLA	O1D-CGD-O2D-CED
24	6	319	LHG	C23-C24-C25-C26
22	A	858	CLA	C15-C16-C17-C18
22	B	812	CLA	C6-C7-C8-C10
22	B	803	CLA	C8-C10-C11-C12
22	A	816	CLA	C14-C13-C15-C16
22	A	839	CLA	C11-C12-C13-C14
22	A	859	CLA	C6-C7-C8-C9
22	B	815	CLA	C11-C12-C13-C14
22	B	849	CLA	C11-C10-C8-C9
22	1	302	CLA	C14-C13-C15-C16
22	5	302	CLA	C6-C7-C8-C9
22	5	303	CLA	C11-C10-C8-C9
22	A	815	CLA	C11-C10-C8-C7
22	A	834	CLA	C11-C10-C8-C7
22	5	306	CLA	C11-C10-C8-C7
29	1	311	5X6	C16-C17-C18-C19
29	5	313	5X6	C16-C17-C18-C19
22	A	828	CLA	C16-C17-C18-C19
22	B	806	CLA	C16-C17-C18-C20
22	A	817	CLA	C8-C10-C11-C12
22	7	309	CLA	CBA-CGA-O2A-C1
22	L	204	CLA	O1A-CGA-O2A-C1
22	5	306	CLA	C2-C3-C5-C6
22	L	204	CLA	C5-C6-C7-C8
22	1	302	CLA	C10-C11-C12-C13
22	B	821	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
22	B	830	CLA	C16-C17-C18-C20
22	1	307	CLA	CAA-CBA-CGA-O2A
22	4	304	CLA	C13-C15-C16-C17
22	6	304	CLA	C3-C5-C6-C7
22	B	823	CLA	C2-C1-O2A-CGA
22	2	303	CLA	C4-C3-C5-C6
22	B	827	CLA	C3-C5-C6-C7
25	A	862	BCR	C7-C8-C9-C34
22	B	833	CLA	C16-C17-C18-C19
29	Z	206	5X6	C15-C16-C17-C18
29	Z	206	5X6	C11-C12-C13-C14
22	L	204	CLA	CBA-CGA-O2A-C1
22	1	304	CLA	O1D-CGD-O2D-CED
29	O	208	5X6	C23-C24-C25-C26
29	1	313	5X6	C13-C14-C15-C16
29	6	317	5X6	C17-C18-C19-C20
22	B	830	CLA	C4-C3-C5-C6
22	5	306	CLA	C4-C3-C5-C6
30	O	201	LMT	C2-C1-O1'-C1'
22	B	809	CLA	C11-C10-C8-C9
22	B	818	CLA	C11-C10-C8-C9
22	Z	204	CLA	C14-C13-C15-C16
22	4	303	CLA	C11-C10-C8-C9
22	6	307	CLA	C11-C12-C13-C14
22	A	819	CLA	CBA-CGA-O2A-C1
22	B	809	CLA	C15-C16-C17-C18
22	2	304	CLA	C16-C17-C18-C19
22	B	822	CLA	C13-C15-C16-C17
22	B	832	CLA	C13-C15-C16-C17
22	A	802	CLA	C4-C3-C5-C6
22	F	204	CLA	C4-C3-C5-C6
22	B	807	CLA	C2-C3-C5-C6
22	O	206	CLA	C2-C3-C5-C6
22	Z	204	CLA	C2-C3-C5-C6
24	6	319	LHG	C28-C29-C30-C31
24	2	315	LHG	O6-C4-C5-C6
22	A	811	CLA	C11-C10-C8-C7
22	B	807	CLA	C6-C7-C8-C10
22	B	833	CLA	C6-C7-C8-C10
22	4	304	CLA	C12-C13-C15-C16
22	A	828	CLA	C8-C10-C11-C12
22	A	819	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
22	A	858	CLA	C13-C15-C16-C17
22	A	806	CLA	C8-C10-C11-C12
30	F	202	LMT	C4'-C5'-C6'-O6'
22	A	807	CLA	C3A-C2A-CAA-CBA
22	B	802	CLA	C3A-C2A-CAA-CBA
22	Z	204	CLA	C4-C3-C5-C6
22	5	302	CLA	C4-C3-C5-C6
22	6	310	CLA	C4-C3-C5-C6
22	7	307	CLA	C3A-C2A-CAA-CBA
22	7	310	CLA	C4C-C3C-CAC-CBC
25	A	846	BCR	C11-C10-C9-C34
25	A	846	BCR	C16-C17-C18-C36
25	2	301	BCR	C20-C21-C22-C37
29	M	101	5X6	C42-C13-C14-C15
29	6	315	5X6	C26-C27-C28-C29
29	7	314	5X6	C41-C17-C18-C19
29	7	314	5X6	C20-C21-C22-C40
22	3	303	CLA	CAA-CBA-CGA-O1A
22	5	305	CLA	CAA-CBA-CGA-O2A
22	A	832	CLA	C2-C1-O2A-CGA
22	A	833	CLA	C2-C1-O2A-CGA
29	7	317	5X6	C13-C14-C15-C16
22	1	309	CLA	CAA-CBA-CGA-O1A
29	4	313	5X6	C11-C12-C13-C14
22	2	305	CLA	C2C-C3C-CAC-CBC
22	A	818	CLA	C2-C3-C5-C6
23	A	840	A1L64	C5-C4-O4-C4M
23	B	840	A1L64	C5-C4-O4-C4M
28	B	845	DGD	C1G-C2G-C3G-O3G
22	A	816	CLA	CAA-CBA-CGA-O1A
22	B	808	CLA	C8-C10-C11-C12
22	2	306	CLA	CAA-CBA-CGA-O1A
22	5	305	CLA	CAA-CBA-CGA-O1A
22	6	303	CLA	CAA-CBA-CGA-O1A
22	A	819	CLA	C11-C10-C8-C9
22	A	820	CLA	C11-C12-C13-C14
22	5	306	CLA	C14-C13-C15-C16
22	6	305	CLA	C11-C12-C13-C14
24	A	841	LHG	C17-C18-C19-C20
22	1	302	CLA	C16-C17-C18-C20
22	1	305	CLA	CAA-CBA-CGA-O1A
22	1	305	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
24	J	106	LHG	C4-C5-O7-C7
24	2	315	LHG	C4-C5-O7-C7
22	3	301	CLA	C10-C11-C12-C13
22	1	309	CLA	CAA-CBA-CGA-O2A
22	A	827	CLA	C4-C3-C5-C6
22	A	808	CLA	C6-C7-C8-C10
22	A	804	CLA	C2-C3-C5-C6
22	B	830	CLA	C2-C3-C5-C6
22	F	204	CLA	C2-C3-C5-C6
22	2	303	CLA	C2-C3-C5-C6
22	3	305	CLA	C3-C5-C6-C7
22	A	857	CLA	C2A-CAA-CBA-CGA
22	A	808	CLA	C5-C6-C7-C8
22	B	815	CLA	C1A-C2A-CAA-CBA
22	K	101	CLA	C1A-C2A-CAA-CBA
22	L	204	CLA	C1A-C2A-CAA-CBA
22	O	205	CLA	C1A-C2A-CAA-CBA
22	2	303	CLA	C1A-C2A-CAA-CBA
22	3	303	CLA	C1A-C2A-CAA-CBA
22	5	302	CLA	C1A-C2A-CAA-CBA
22	7	304	CLA	C1A-C2A-CAA-CBA
22	7	307	CLA	C1A-C2A-CAA-CBA
22	7	312	CLA	C1A-C2A-CAA-CBA
25	A	846	BCR	C11-C10-C9-C8
25	A	846	BCR	C16-C17-C18-C19
25	F	207	BCR	C12-C13-C14-C15
25	2	301	BCR	C20-C21-C22-C23
22	3	303	CLA	CAA-CBA-CGA-O2A
22	7	307	CLA	CAA-CBA-CGA-O1A
25	A	843	BCR	C23-C24-C25-C30
25	B	842	BCR	C5-C6-C7-C8
29	M	101	5X6	C02-C03-C11-C12
29	O	208	5X6	C04-C03-C11-C12
29	Z	206	5X6	C04-C03-C11-C12
29	1	312	5X6	C02-C03-C11-C12
29	1	312	5X6	C27-C28-C29-C34
29	1	316	5X6	C02-C03-C11-C12
29	2	313	5X6	C02-C03-C11-C12
29	3	306	5X6	C02-C03-C11-C12
29	5	313	5X6	C02-C03-C11-C12
29	5	313	5X6	C27-C28-C29-C34
29	6	315	5X6	C04-C03-C11-C12

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Mol	Chain	Res	Type	Atoms
29	6	315	5X6	C27-C28-C29-C34
29	7	315	5X6	C27-C28-C29-C30
29	7	318	5X6	C02-C03-C11-C12
22	4	306	CLA	CAA-CBA-CGA-O2A
24	1	317	LHG	C34-C35-C36-C37
22	5	301	CLA	O1D-CGD-O2D-CED
22	2	311	CLA	CAA-CBA-CGA-O1A
22	5	301	CLA	CAA-CBA-CGA-O1A
22	6	303	CLA	CAA-CBA-CGA-O2A
22	7	305	CLA	CAA-CBA-CGA-O2A
22	A	807	CLA	C4-C3-C5-C6
22	5	302	CLA	C2-C3-C5-C6
29	1	312	5X6	C18-C19-C20-C21
22	5	301	CLA	CAA-CBA-CGA-O2A
22	A	833	CLA	C11-C12-C13-C15
22	A	837	CLA	C6-C7-C8-C10
22	A	838	CLA	C11-C10-C8-C7
22	B	809	CLA	C11-C10-C8-C7
22	B	849	CLA	C11-C10-C8-C7
22	4	304	CLA	C11-C10-C8-C7
22	5	302	CLA	C6-C7-C8-C10
22	B	830	CLA	C16-C17-C18-C19
22	7	307	CLA	CAA-CBA-CGA-O2A
24	A	841	LHG	C30-C31-C32-C33
22	7	305	CLA	CAA-CBA-CGA-O1A
23	B	840	A1L64	C2-C3-O3-C3M
22	B	825	CLA	C15-C16-C17-C18
29	Z	206	5X6	C11-C12-C13-C42
31	5	322	RRX	C7-C8-C9-C34
22	A	838	CLA	C3-C5-C6-C7
22	4	304	CLA	C10-C11-C12-C13
22	A	802	CLA	C2-C3-C5-C6
22	A	827	CLA	C2-C3-C5-C6
22	B	812	CLA	C2-C1-O2A-CGA
22	B	817	CLA	C10-C11-C12-C13
22	6	310	CLA	C6-C7-C8-C10
22	A	815	CLA	C11-C10-C8-C9
22	A	848	CLA	C11-C10-C8-C9
22	B	830	CLA	C11-C10-C8-C9
29	6	315	5X6	C19-C20-C21-C22
22	A	807	CLA	C13-C15-C16-C17
22	B	821	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
22	B	837	CLA	C4-C3-C5-C6
22	B	849	CLA	C4-C3-C5-C6
22	L	203	CLA	C4-C3-C5-C6
29	3	306	5X6	C18-C19-C20-C21
29	6	315	5X6	C18-C19-C20-C21
21	A	801	CL0	CAA-CBA-CGA-O2A
22	6	310	CLA	C2-C3-C5-C6
22	A	831	CLA	O1A-CGA-O2A-C1
22	B	813	CLA	C2C-C3C-CAC-CBC
22	A	831	CLA	CBA-CGA-O2A-C1
22	4	306	CLA	CAA-CBA-CGA-O1A
22	B	816	CLA	C13-C15-C16-C17
22	2	311	CLA	CAA-CBA-CGA-O2A
24	A	841	LHG	C11-C12-C13-C14
28	B	845	DGD	C3A-C4A-C5A-C6A
22	B	813	CLA	C4C-C3C-CAC-CBC
30	F	202	LMT	C3-C4-C5-C6
24	A	842	LHG	O6-C4-C5-O7
22	A	830	CLA	C4-C3-C5-C6
22	B	817	CLA	C4-C3-C5-C6
22	3	302	CLA	CAA-CBA-CGA-O2A
22	7	313	CLA	CAA-CBA-CGA-O2A
22	A	815	CLA	O1A-CGA-O2A-C1
23	A	840	A1L64	C2-C3-O3-C3M
22	2	306	CLA	CAA-CBA-CGA-O2A
25	F	207	BCR	C35-C13-C14-C15
25	K	103	BCR	C16-C17-C18-C36
24	A	841	LHG	C33-C34-C35-C36
22	B	850	CLA	CAA-CBA-CGA-O1A
24	1	317	LHG	O6-C4-C5-C6
22	4	304	CLA	C16-C17-C18-C20
22	B	808	CLA	C4-C3-C5-C6
22	7	312	CLA	CAA-CBA-CGA-O2A
22	A	848	CLA	C11-C10-C8-C7
22	B	804	CLA	C6-C7-C8-C10
22	B	808	CLA	C12-C13-C15-C16
30	O	201	LMT	O1'-C1-C2-C3
22	7	306	CLA	C6-C7-C8-C10
22	A	818	CLA	C5-C6-C7-C8
22	A	807	CLA	C14-C13-C15-C16
22	B	805	CLA	C11-C10-C8-C9
22	B	806	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
22	3	301	CLA	C6-C7-C8-C9
22	B	815	CLA	C2A-CAA-CBA-CGA
22	O	205	CLA	C2-C1-O2A-CGA
22	3	305	CLA	C2-C1-O2A-CGA
22	A	802	CLA	C6-C7-C8-C9
22	B	811	CLA	C16-C17-C18-C19
24	A	860	LHG	C26-C27-C28-C29
22	A	823	CLA	C3A-C2A-CAA-CBA
22	A	837	CLA	C4-C3-C5-C6
22	B	818	CLA	C4-C3-C5-C6
22	6	306	CLA	C3A-C2A-CAA-CBA
22	B	850	CLA	CAA-CBA-CGA-O2A
22	B	804	CLA	C2-C3-C5-C6
22	2	303	CLA	C3-C5-C6-C7
22	A	858	CLA	C8-C10-C11-C12
22	A	859	CLA	O2A-C1-C2-C3
24	A	860	LHG	C4-C5-O7-C7
24	A	860	LHG	C7-C8-C9-C10
22	3	302	CLA	CAA-CBA-CGA-O1A
22	1	304	CLA	CAA-CBA-CGA-O2A
22	7	313	CLA	CAA-CBA-CGA-O1A
22	7	312	CLA	CAA-CBA-CGA-O1A
22	5	305	CLA	C2C-C3C-CAC-CBC
22	A	831	CLA	C16-C17-C18-C19
25	K	103	BCR	C16-C17-C18-C19
29	4	314	5X6	C24-C25-C26-C27
22	B	831	CLA	C3-C5-C6-C7
22	L	205	CLA	CAA-CBA-CGA-O2A
22	1	306	CLA	CAA-CBA-CGA-O1A
22	7	303	CLA	CAA-CBA-CGA-O1A
22	B	802	CLA	C16-C17-C18-C19
22	1	306	CLA	CAA-CBA-CGA-O2A
22	A	823	CLA	O1A-CGA-O2A-C1
22	B	802	CLA	C6-C7-C8-C9
22	B	822	CLA	C14-C13-C15-C16
22	4	303	CLA	C16-C17-C18-C20
22	B	809	CLA	CAA-CBA-CGA-O2A
22	B	811	CLA	C13-C15-C16-C17
29	O	208	5X6	C15-C16-C17-C18
22	A	804	CLA	CAA-CBA-CGA-O2A
22	A	828	CLA	C11-C10-C8-C7
22	A	858	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
22	B	822	CLA	C11-C12-C13-C15
22	B	830	CLA	C11-C10-C8-C7
22	B	831	CLA	C11-C12-C13-C15
22	O	206	CLA	C6-C7-C8-C10
22	1	303	CLA	C11-C12-C13-C15
22	2	304	CLA	C11-C12-C13-C15
22	3	301	CLA	C6-C7-C8-C10
22	4	303	CLA	C11-C10-C8-C7
22	A	811	CLA	O1A-CGA-O2A-C1
22	A	827	CLA	C2B-C3B-CAB-CBB
22	B	828	CLA	C2B-C3B-CAB-CBB
22	K	101	CLA	C2B-C3B-CAB-CBB
22	O	203	CLA	C2B-C3B-CAB-CBB
22	1	307	CLA	C2B-C3B-CAB-CBB
22	6	313	CLA	C2B-C3B-CAB-CBB
22	7	303	CLA	C2B-C3B-CAB-CBB
25	A	843	BCR	C23-C24-C25-C26
25	A	846	BCR	C23-C24-C25-C26
29	1	311	5X6	C02-C03-C11-C12
29	1	314	5X6	C27-C28-C29-C34
29	2	312	5X6	C27-C28-C29-C34
29	4	313	5X6	C27-C28-C29-C34
29	6	316	5X6	C27-C28-C29-C34
29	7	315	5X6	C27-C28-C29-C34
29	7	316	5X6	C04-C03-C11-C12
24	A	842	LHG	C8-C7-O7-C5
22	A	823	CLA	CAA-CBA-CGA-O2A
22	A	802	CLA	C2-C1-O2A-CGA
22	B	805	CLA	C2-C1-O2A-CGA
22	B	826	CLA	C2-C1-O2A-CGA
22	1	303	CLA	C2-C1-O2A-CGA
22	1	310	CLA	C2-C1-O2A-CGA
24	1	317	LHG	C25-C26-C27-C28
22	A	804	CLA	C10-C11-C12-C13
22	A	839	CLA	C5-C6-C7-C8
22	A	815	CLA	CBA-CGA-O2A-C1
22	B	824	CLA	C16-C17-C18-C20
22	6	310	CLA	C6-C7-C8-C9
22	A	833	CLA	CBD-CGD-O2D-CED
24	A	841	LHG	C1-C2-C3-O3
22	A	810	CLA	C2A-CAA-CBA-CGA
22	A	814	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
22	1	304	CLA	CAA-CBA-CGA-O1A
22	B	815	CLA	CAA-CBA-CGA-O2A
22	A	804	CLA	C5-C6-C7-C8
22	A	832	CLA	C13-C15-C16-C17
22	B	832	CLA	C15-C16-C17-C18
22	K	101	CLA	CAA-CBA-CGA-O2A
22	F	204	CLA	C12-C13-C15-C16
22	A	808	CLA	C6-C7-C8-C9
22	6	307	CLA	C4-C3-C5-C6
29	6	317	5X6	C14-C15-C16-C17
22	5	303	CLA	CAA-CBA-CGA-O2A
22	A	811	CLA	CBA-CGA-O2A-C1
22	L	205	CLA	CAA-CBA-CGA-O1A
22	5	305	CLA	C4C-C3C-CAC-CBC
22	A	833	CLA	C11-C12-C13-C14
22	A	858	CLA	C11-C10-C8-C9
22	1	303	CLA	C14-C13-C15-C16
22	B	812	CLA	CAA-CBA-CGA-O2A
24	A	841	LHG	O7-C7-C8-C9
24	A	860	LHG	O7-C7-C8-C9
22	6	310	CLA	C5-C6-C7-C8
22	A	805	CLA	C1A-C2A-CAA-CBA
22	B	802	CLA	C1A-C2A-CAA-CBA
22	B	813	CLA	C1A-C2A-CAA-CBA
22	B	829	CLA	C1A-C2A-CAA-CBA
22	2	306	CLA	C4B-C3B-CAB-CBB
22	2	309	CLA	C4B-C3B-CAB-CBB
22	4	303	CLA	C1A-C2A-CAA-CBA
22	4	308	CLA	C1A-C2A-CAA-CBA
22	6	304	CLA	C1A-C2A-CAA-CBA
22	6	313	CLA	C1A-C2A-CAA-CBA
22	7	304	CLA	C4B-C3B-CAB-CBB
22	7	310	CLA	C4B-C3B-CAB-CBB
22	A	803	CLA	CAA-CBA-CGA-O2A
22	A	818	CLA	CAA-CBA-CGA-O2A
22	B	806	CLA	CAA-CBA-CGA-O2A
29	J	104	5X6	C11-C12-C13-C14
29	O	207	5X6	C21-C22-C23-C24
29	4	315	5X6	C21-C22-C23-C24
29	7	316	5X6	C13-C14-C15-C16
28	B	845	DGD	O6D-C5D-C6D-O5D
24	A	841	LHG	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
24	6	319	LHG	C27-C28-C29-C30
24	6	319	LHG	C1-C2-C3-O3
22	5	307	CLA	C4-C3-C5-C6
22	A	815	CLA	C3-C5-C6-C7
22	A	804	CLA	CBD-CGD-O2D-CED
22	A	829	CLA	C2-C1-O2A-CGA
22	A	806	CLA	C6-C7-C8-C10
22	A	823	CLA	CBA-CGA-O2A-C1
24	A	842	LHG	C18-C19-C20-C21
22	7	303	CLA	CAA-CBA-CGA-O2A
22	A	809	CLA	C16-C17-C18-C20
22	1	302	CLA	C16-C17-C18-C19
22	B	817	CLA	O2A-C1-C2-C3
24	A	860	LHG	C6-C5-O7-C7
24	B	846	LHG	C4-C5-O7-C7
24	B	846	LHG	C6-C5-O7-C7
24	A	841	LHG	C32-C33-C34-C35
22	Z	204	CLA	C15-C16-C17-C18
29	3	306	5X6	C23-C24-C25-C26
22	3	304	CLA	CAA-CBA-CGA-O2A
22	Z	201	CLA	CAA-CBA-CGA-O2A
22	A	816	CLA	C4-C3-C5-C6
22	A	857	CLA	C3A-C2A-CAA-CBA
22	B	813	CLA	C3A-C2A-CAA-CBA
22	1	310	CLA	C3A-C2A-CAA-CBA
22	2	305	CLA	C3A-C2A-CAA-CBA
22	A	848	CLA	C8-C10-C11-C12
29	3	306	5X6	C24-C25-C26-C27
22	A	806	CLA	CBA-CGA-O2A-C1
30	F	202	LMT	C11-C10-C9-C8
22	A	825	CLA	CAA-CBA-CGA-O2A
22	B	830	CLA	C3-C5-C6-C7
22	A	825	CLA	C13-C15-C16-C17
22	5	303	CLA	C13-C15-C16-C17
22	A	859	CLA	C11-C12-C13-C14
22	B	804	CLA	C6-C7-C8-C9
22	B	819	CLA	C11-C12-C13-C14
28	B	845	DGD	C3B-C4B-C5B-C6B
22	B	809	CLA	CAA-CBA-CGA-O1A
22	5	303	CLA	CAA-CBA-CGA-O1A
24	6	319	LHG	O2-C2-C3-O3
22	7	306	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
22	A	823	CLA	CAA-CBA-CGA-O1A
22	B	817	CLA	CAA-CBA-CGA-O1A
22	B	808	CLA	C2-C3-C5-C6
22	F	205	CLA	CAA-CBA-CGA-O2A
22	K	101	CLA	CAA-CBA-CGA-O1A
22	B	804	CLA	C10-C11-C12-C13
22	Z	204	CLA	C8-C10-C11-C12
22	5	303	CLA	C5-C6-C7-C8
22	4	308	CLA	C3-C5-C6-C7
24	A	841	LHG	C35-C36-C37-C38
22	7	306	CLA	C6-C7-C8-C9
22	B	825	CLA	C5-C6-C7-C8
24	1	317	LHG	C24-C25-C26-C27
22	B	812	CLA	CAA-CBA-CGA-O1A
22	B	815	CLA	CAA-CBA-CGA-O1A
24	A	841	LHG	O8-C23-C24-C25
24	1	317	LHG	C4-C5-C6-O8
22	A	803	CLA	CAA-CBA-CGA-O1A
22	A	804	CLA	CAA-CBA-CGA-O1A
22	B	806	CLA	CAA-CBA-CGA-O1A
22	1	302	CLA	C8-C10-C11-C12
22	4	306	CLA	C2C-C3C-CAC-CBC
22	A	807	CLA	C2-C3-C5-C6
22	A	837	CLA	C2-C3-C5-C6
22	A	815	CLA	CAD-CBD-CGD-O2D
22	A	823	CLA	CAD-CBD-CGD-O2D
22	A	831	CLA	CAD-CBD-CGD-O2D
22	B	829	CLA	CAD-CBD-CGD-O2D
22	1	308	CLA	CAD-CBD-CGD-O2D
22	4	309	CLA	CAD-CBD-CGD-O2D
22	6	312	CLA	CAD-CBD-CGD-O2D
24	4	318	LHG	O8-C23-C24-C25
29	5	313	5X6	C26-C27-C28-C29
22	B	835	CLA	C2-C1-O2A-CGA
22	B	801	CLA	CAA-CBA-CGA-O2A
22	A	838	CLA	C2A-CAA-CBA-CGA
22	Z	201	CLA	CAA-CBA-CGA-O1A
22	3	304	CLA	CAA-CBA-CGA-O1A
22	A	818	CLA	CAA-CBA-CGA-O1A
24	4	318	LHG	O10-C23-C24-C25
22	B	802	CLA	C8-C10-C11-C12
22	B	837	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
22	B	839	CLA	C13-C15-C16-C17
22	A	820	CLA	C4-C3-C5-C6
22	B	829	CLA	C12-C13-C15-C16
22	A	810	CLA	CAA-CBA-CGA-O2A
22	4	305	CLA	CAA-CBA-CGA-O2A
24	2	315	LHG	O7-C7-C8-C9
24	A	841	LHG	C18-C19-C20-C21
24	2	315	LHG	C30-C31-C32-C33
22	5	307	CLA	C5-C6-C7-C8
22	B	829	CLA	CAA-CBA-CGA-O2A
22	2	303	CLA	CAA-CBA-CGA-O2A
22	3	301	CLA	CAA-CBA-CGA-O2A
22	6	313	CLA	CAA-CBA-CGA-O2A
24	A	842	LHG	O9-C7-C8-C9

There are no ring outliers.

150 monomers are involved in 214 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
25	L	202	BCR	1	0
22	B	825	CLA	1	0
22	6	311	CLA	1	0
22	2	311	CLA	1	0
25	I	102	BCR	1	0
22	B	813	CLA	1	0
22	6	307	CLA	2	0
22	B	834	CLA	1	0
22	A	804	CLA	1	0
22	B	836	CLA	1	0
22	L	203	CLA	1	0
22	B	804	CLA	1	0
25	5	315	BCR	1	0
22	4	310	CLA	3	0
22	2	308	CLA	1	0
22	B	837	CLA	1	0
22	6	303	CLA	1	0
25	L	201	BCR	1	0
22	A	808	CLA	1	0
25	A	844	BCR	1	0
31	6	318	RRX	3	0
22	1	309	CLA	1	0
22	A	809	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
22	3	304	CLA	1	0
22	B	821	CLA	1	0
25	B	841	BCR	4	0
22	6	313	CLA	1	0
22	7	306	CLA	2	0
22	B	824	CLA	1	0
22	2	307	CLA	1	0
22	4	306	CLA	1	0
22	A	822	CLA	1	0
22	B	839	CLA	1	0
22	F	205	CLA	2	0
22	Z	204	CLA	3	0
22	A	817	CLA	1	0
22	2	306	CLA	1	0
22	4	309	CLA	2	0
22	7	311	CLA	2	0
22	1	305	CLA	1	0
22	5	307	CLA	1	0
22	J	102	CLA	1	0
22	A	838	CLA	1	0
22	5	308	CLA	1	0
22	7	309	CLA	1	0
22	B	803	CLA	4	0
31	4	317	RRX	6	0
24	J	106	LHG	1	0
22	A	807	CLA	1	0
25	F	207	BCR	2	0
21	A	801	CL0	1	0
22	2	309	CLA	1	0
22	1	302	CLA	1	0
25	B	844	BCR	2	0
25	1	301	BCR	2	0
25	K	103	BCR	4	0
22	4	311	CLA	2	0
22	F	204	CLA	1	0
22	B	823	CLA	1	0
22	B	818	CLA	1	0
22	B	822	CLA	2	0
22	6	309	CLA	1	0
22	A	829	CLA	1	0
22	B	817	CLA	1	0
22	A	830	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
22	A	859	CLA	2	0
30	O	201	LMT	1	0
22	B	806	CLA	3	0
31	5	322	RRX	2	0
25	L	206	BCR	1	0
22	6	306	CLA	1	0
25	4	316	BCR	2	0
22	B	801	CLA	2	0
25	A	862	BCR	2	0
25	A	846	BCR	2	0
22	A	802	CLA	1	0
22	B	812	CLA	5	0
22	3	303	CLA	1	0
25	A	843	BCR	2	0
22	B	827	CLA	1	0
22	B	802	CLA	3	0
25	B	843	BCR	2	0
22	A	816	CLA	4	0
22	B	808	CLA	2	0
22	B	835	CLA	1	0
22	A	814	CLA	2	0
22	A	857	CLA	2	0
22	B	828	CLA	2	0
22	6	314	CLA	1	0
22	7	308	CLA	1	0
25	Z	205	BCR	4	0
22	A	858	CLA	1	0
22	6	312	CLA	1	0
22	B	811	CLA	1	0
22	3	301	CLA	1	0
22	5	310	CLA	1	0
22	B	838	CLA	2	0
22	4	312	CLA	1	0
22	B	810	CLA	1	0
22	B	833	CLA	2	0
22	5	305	CLA	1	0
22	2	305	CLA	3	0
22	Z	201	CLA	2	0
22	1	308	CLA	1	0
22	5	309	CLA	1	0
22	7	312	CLA	1	0
22	A	837	CLA	3	0

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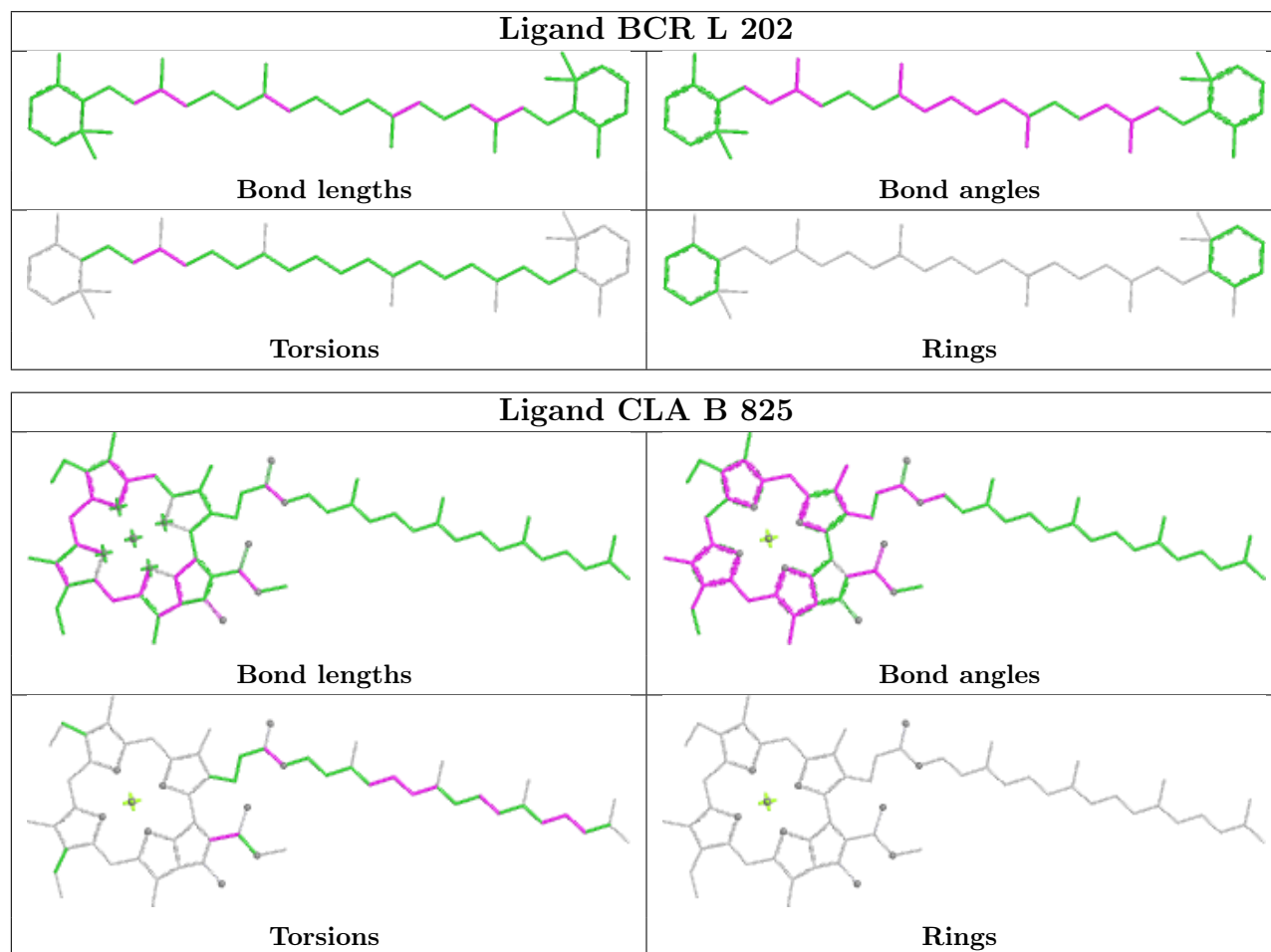
Mol	Chain	Res	Type	Clashes	Symm-Clashes
22	7	303	CLA	4	0
22	5	301	CLA	1	0
22	A	821	CLA	1	0
22	4	307	CLA	2	0
22	A	827	CLA	1	0
22	7	304	CLA	1	0
22	A	831	CLA	1	0
22	L	205	CLA	2	0
25	A	861	BCR	4	0
22	1	307	CLA	1	0
22	A	839	CLA	1	0
22	B	831	CLA	1	0
22	B	850	CLA	1	0
22	7	307	CLA	1	0
22	1	306	CLA	1	0
22	5	304	CLA	1	0
25	J	103	BCR	1	0
22	K	102	CLA	2	0
22	O	204	CLA	1	0
22	A	833	CLA	1	0
22	1	303	CLA	1	0
22	F	206	CLA	1	0
22	2	310	CLA	2	0
22	A	803	CLA	1	0
31	1	315	RRX	3	0
25	F	201	BCR	3	0
22	2	304	CLA	1	0
22	A	815	CLA	1	0
24	4	318	LHG	1	0
22	3	305	CLA	1	0
28	B	845	DGD	1	0
22	B	809	CLA	2	0
22	B	819	CLA	1	0
22	B	820	CLA	1	0
22	B	849	CLA	1	0
22	7	310	CLA	1	0
22	O	205	CLA	1	0
22	2	302	CLA	5	0
22	6	308	CLA	1	0
25	B	842	BCR	2	0
22	4	305	CLA	1	0
22	O	203	CLA	1	0

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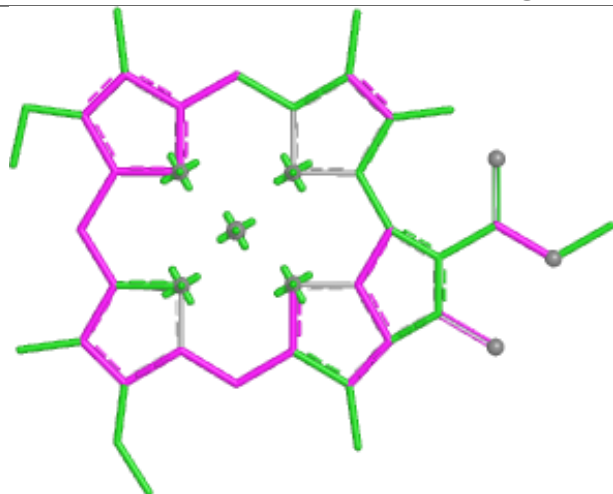
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Mol	Chain	Res	Type	Clashes	Symm-Clashes
22	7	313	CLA	1	0

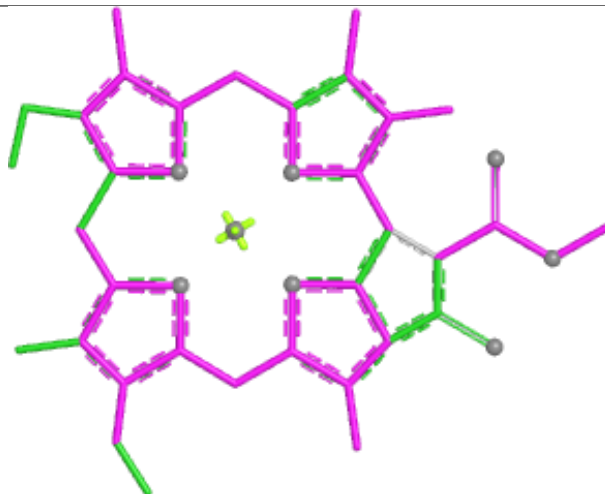
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 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.



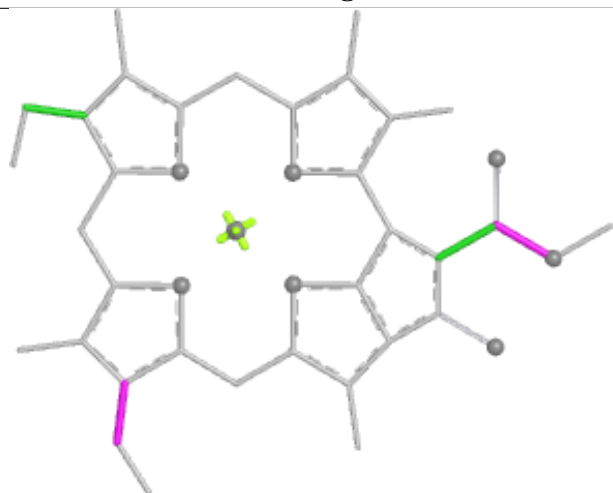
Ligand CLA 6 311



Bond lengths



Bond angles

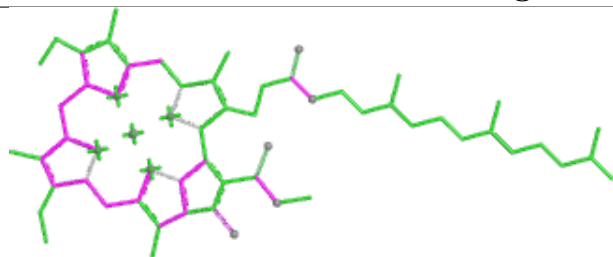


Torsions

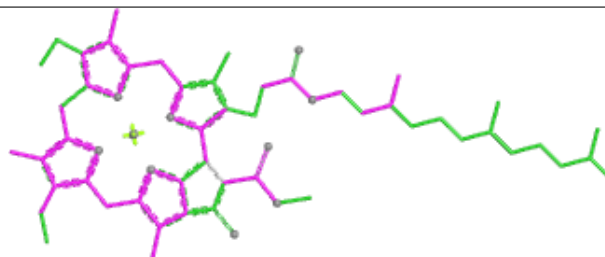


Rings

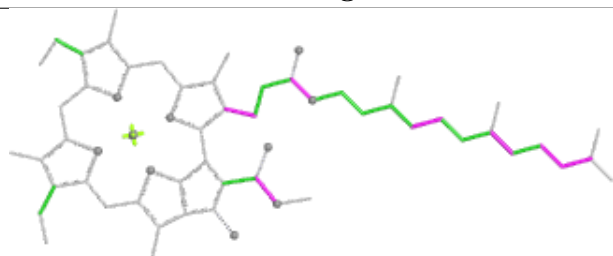
Ligand CLA A 834



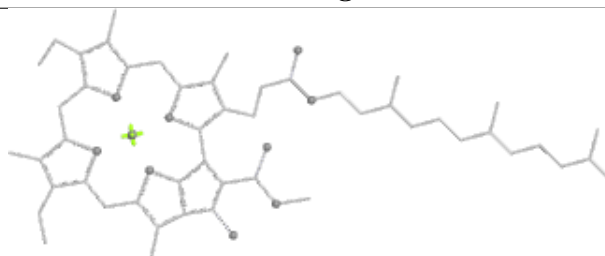
Bond lengths



Bond angles

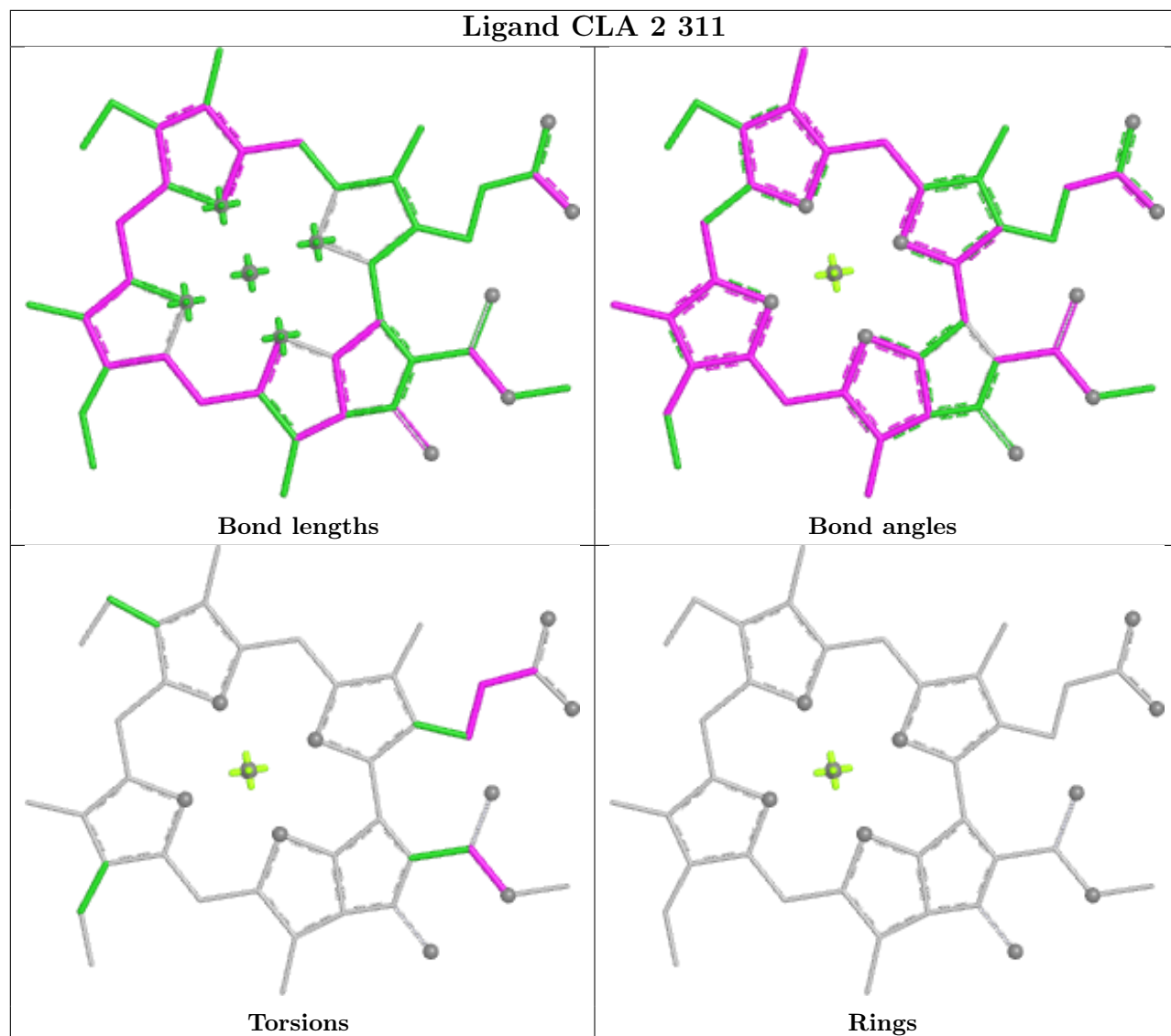


Torsions

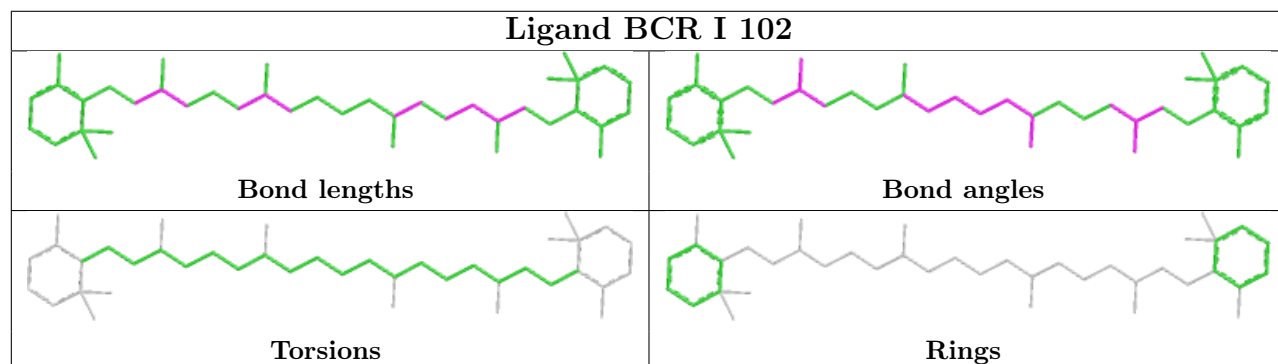


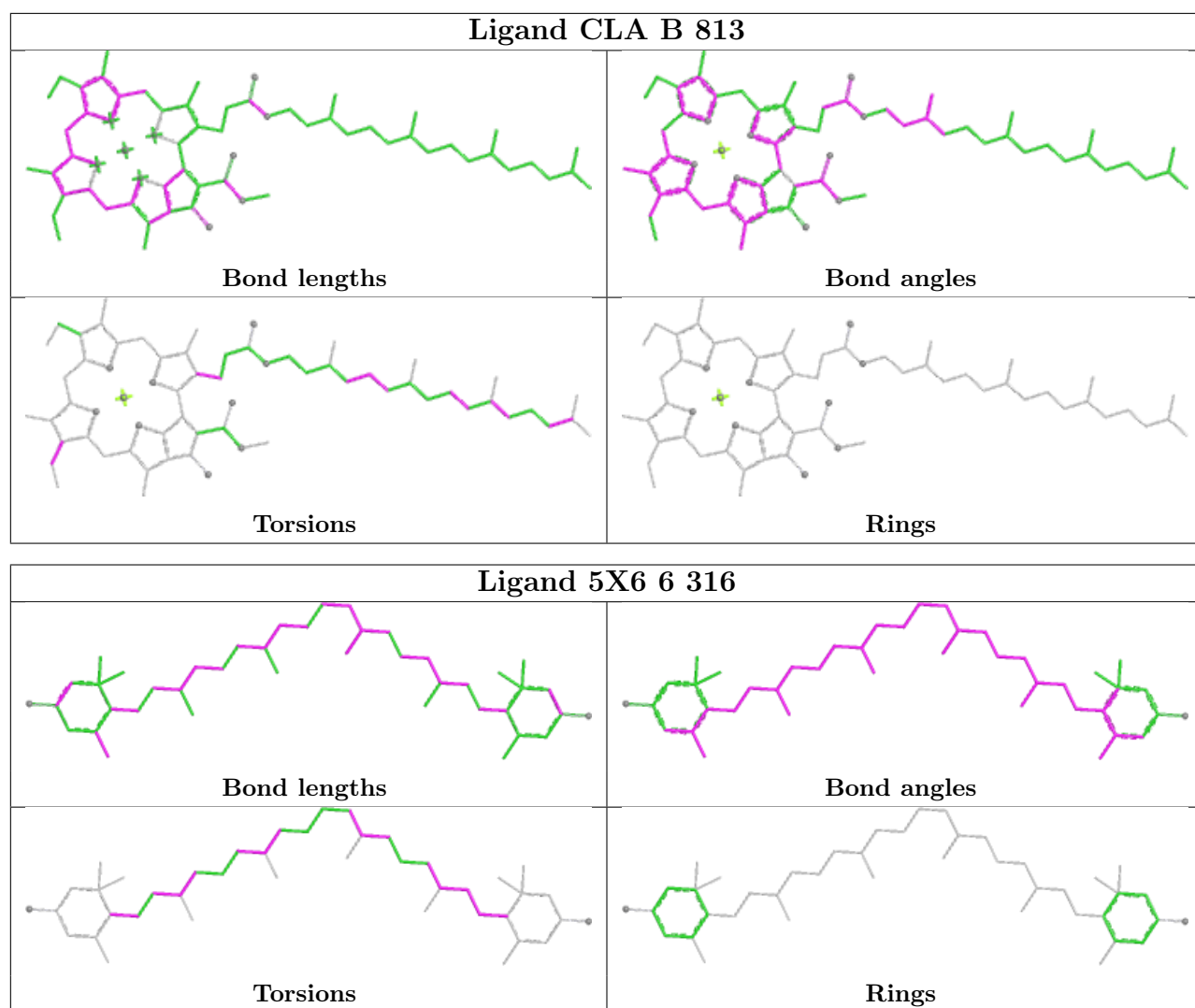
Rings

Ligand CLA 2 311

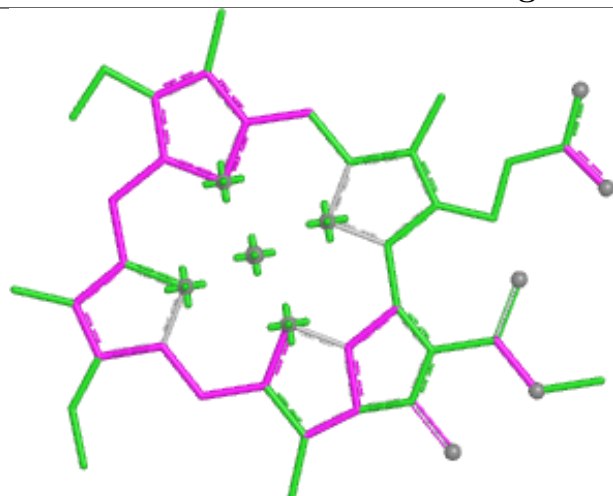


Ligand BCR I 102

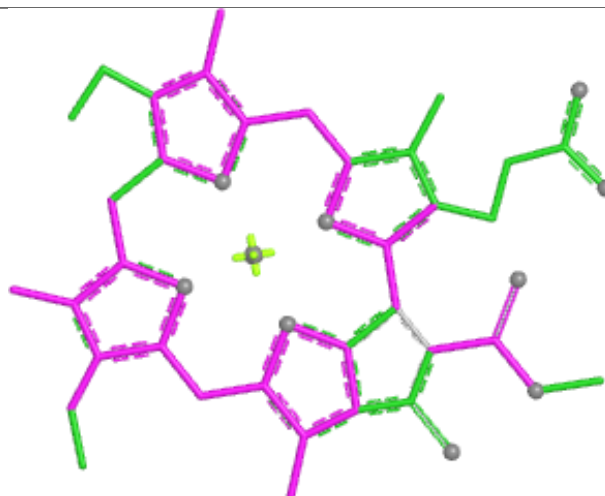




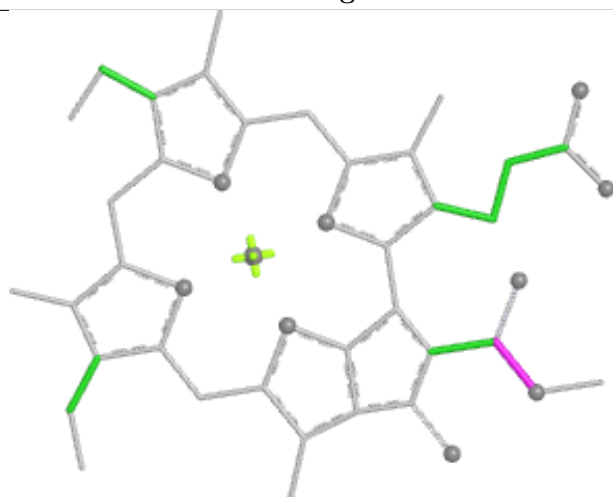
Ligand CLA 4 302



Bond lengths



Bond angles

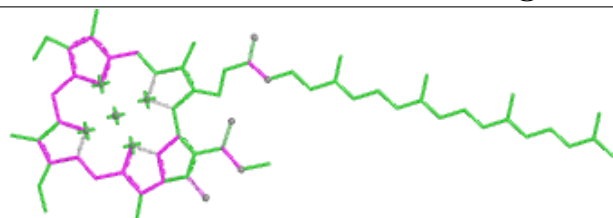


Torsions

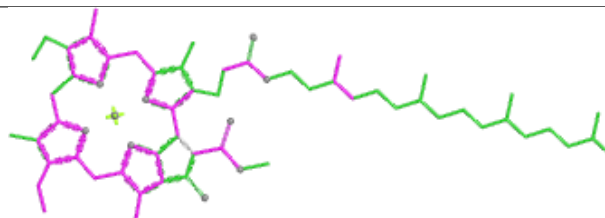


Rings

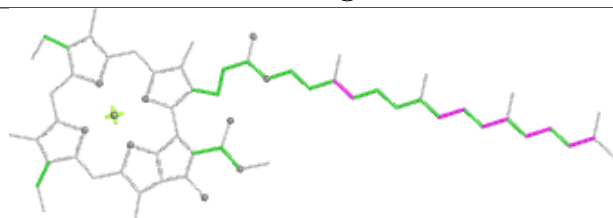
Ligand CLA 6 307



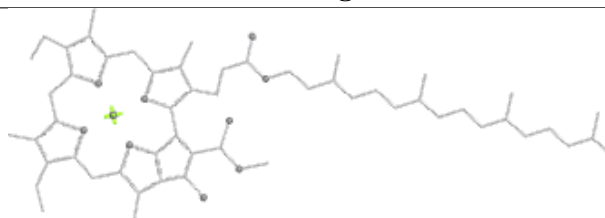
Bond lengths



Bond angles

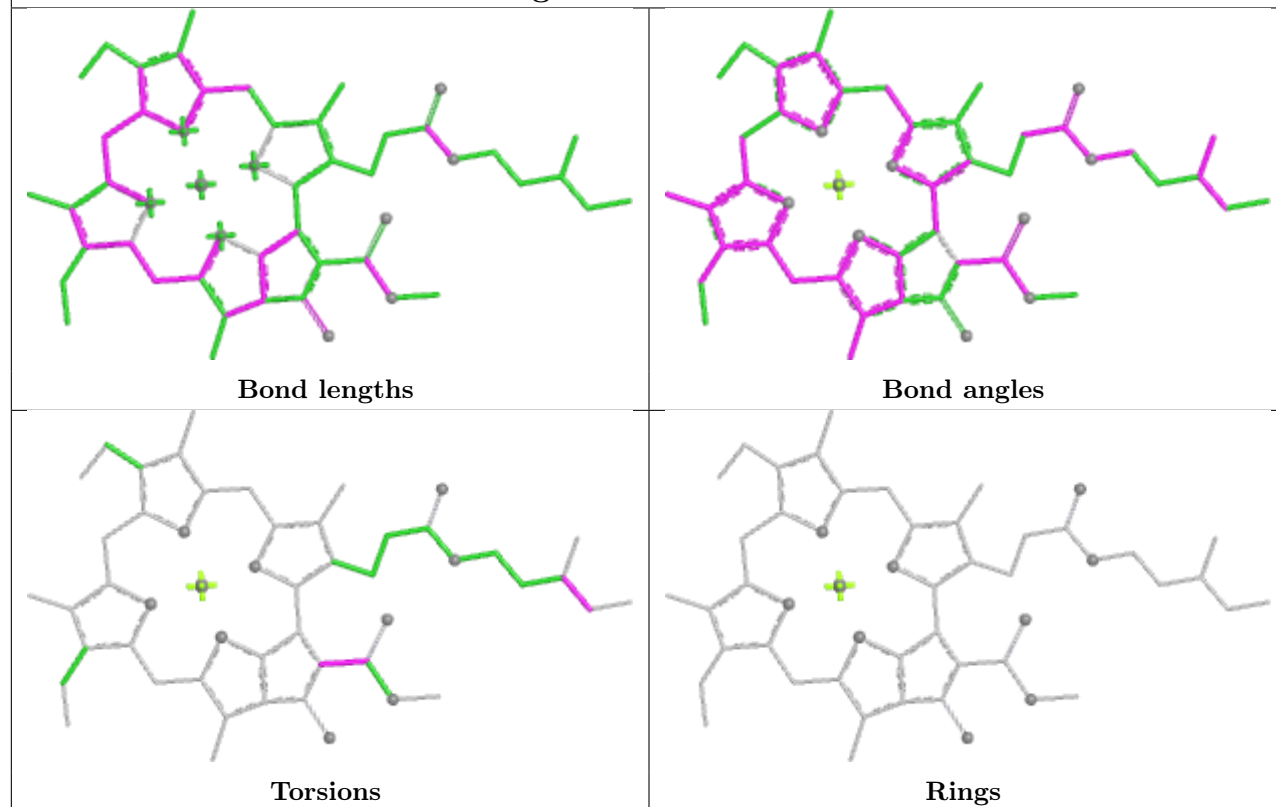


Torsions

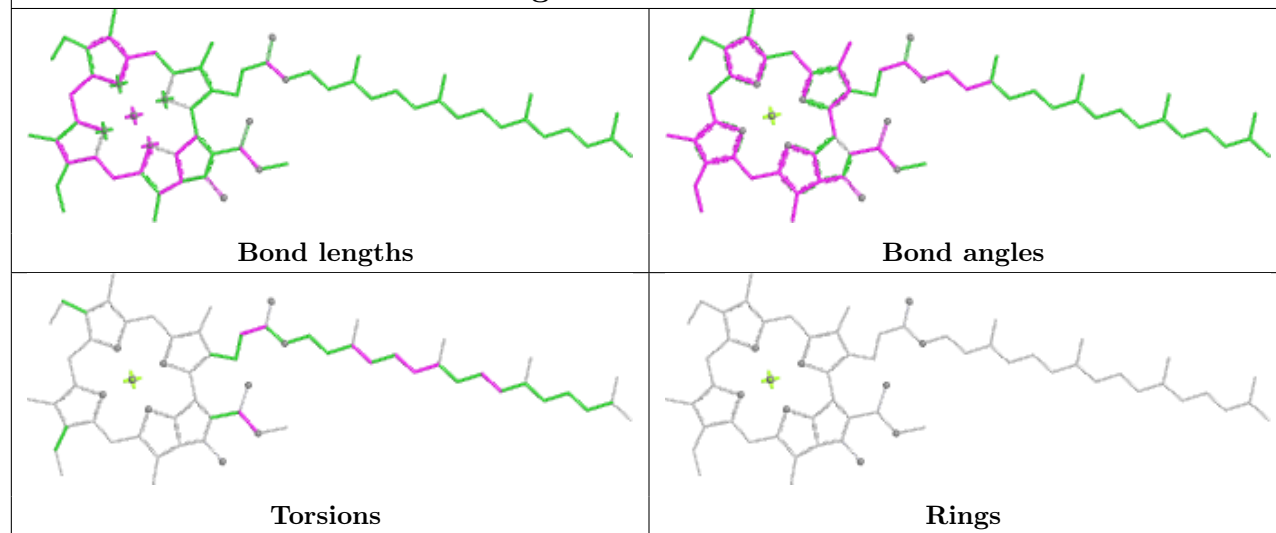


Rings

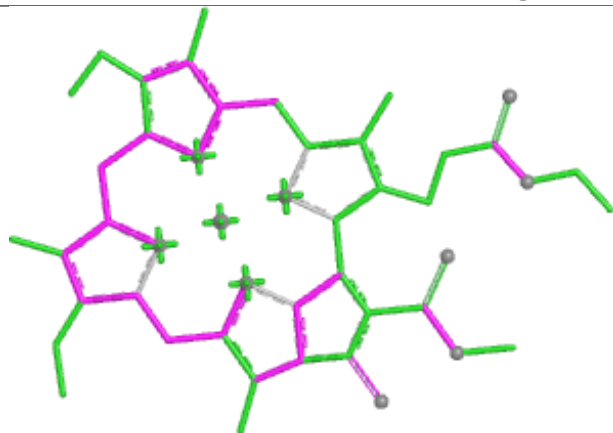
Ligand CLA B 834



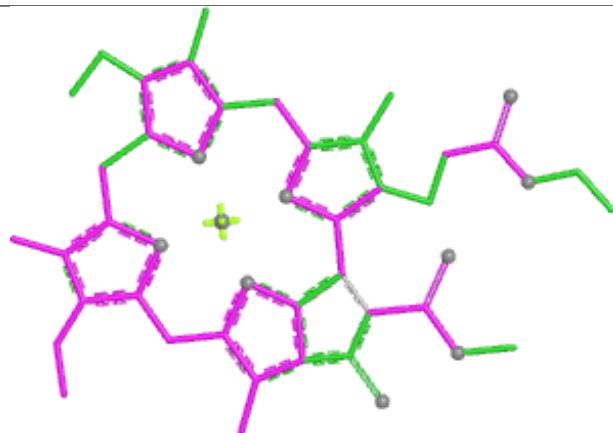
Ligand CLA A 804



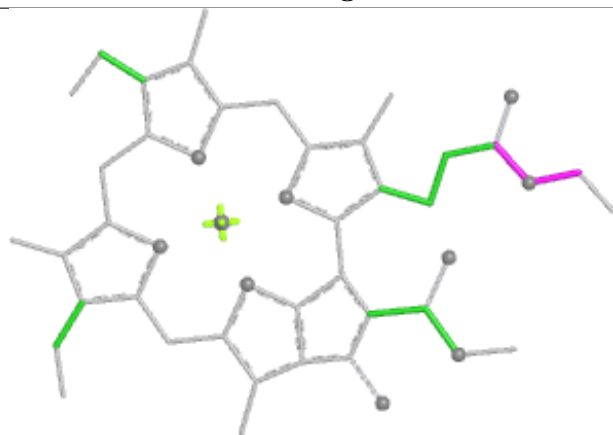
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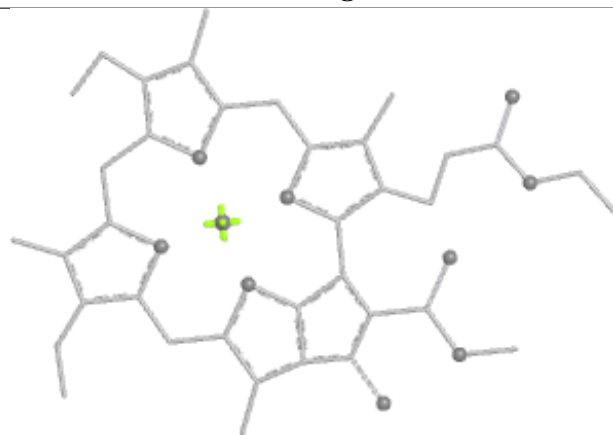
Bond lengths



Bond angles

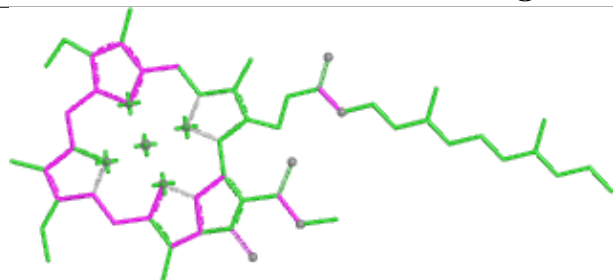


Torsions

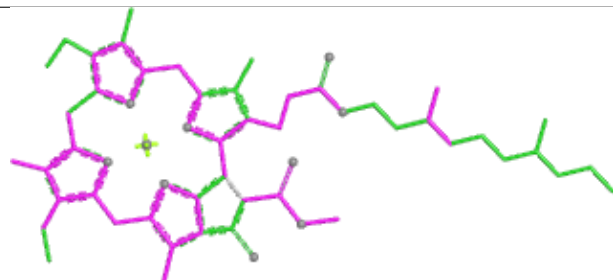


Rings

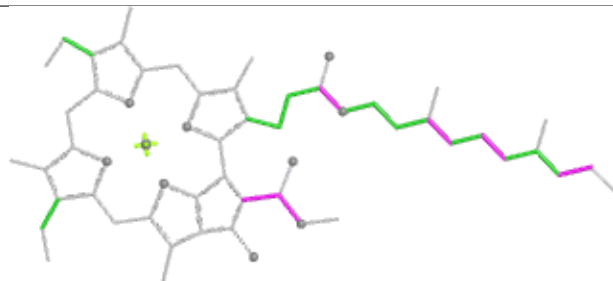
Ligand CLA L 203



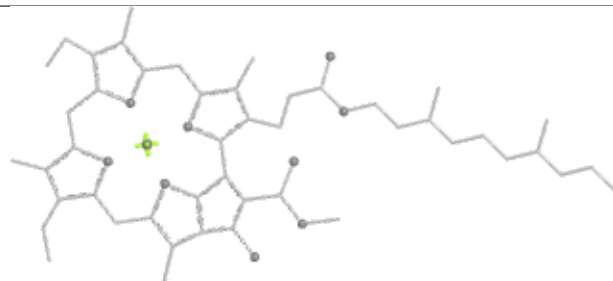
Bond lengths



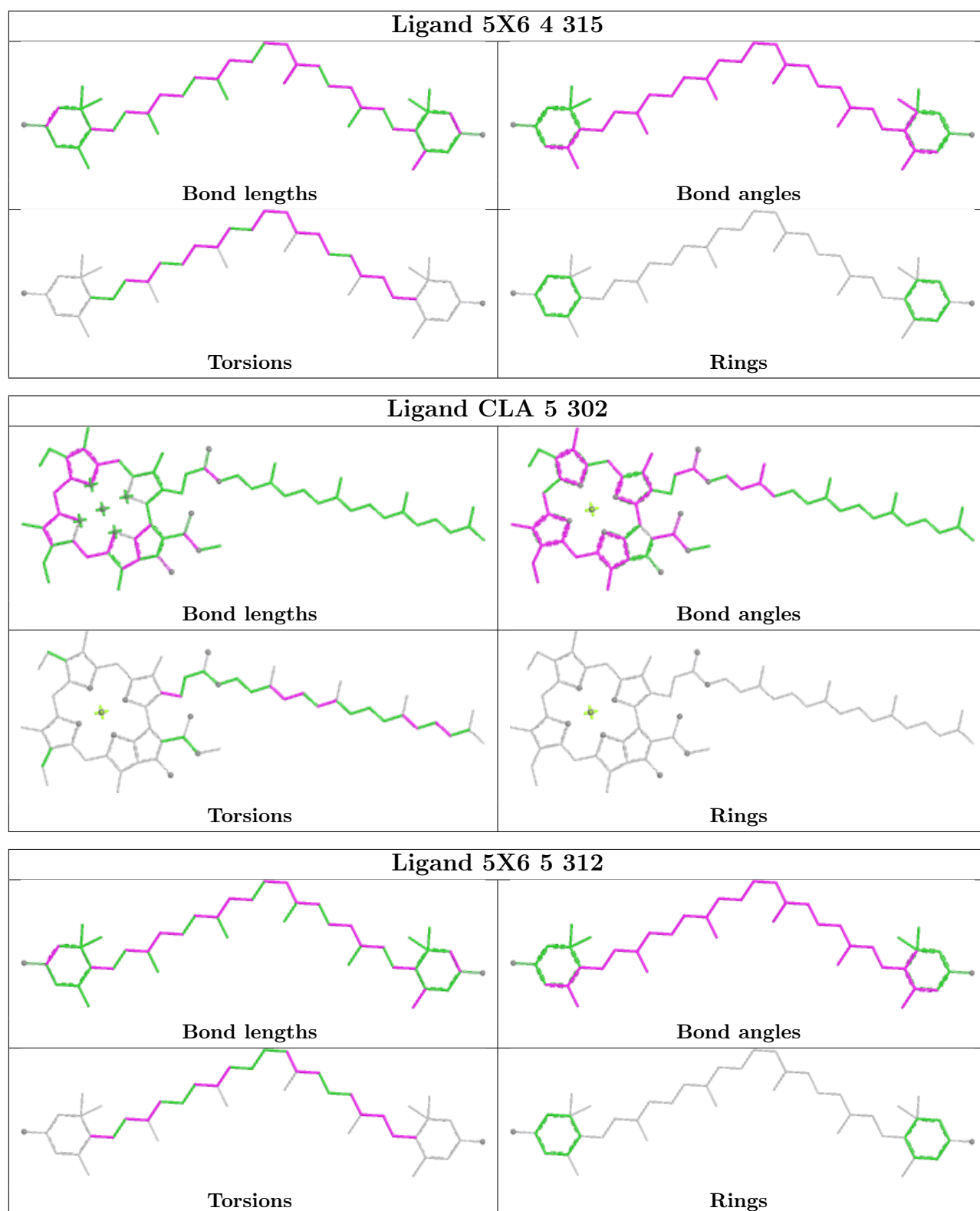
Bond angles

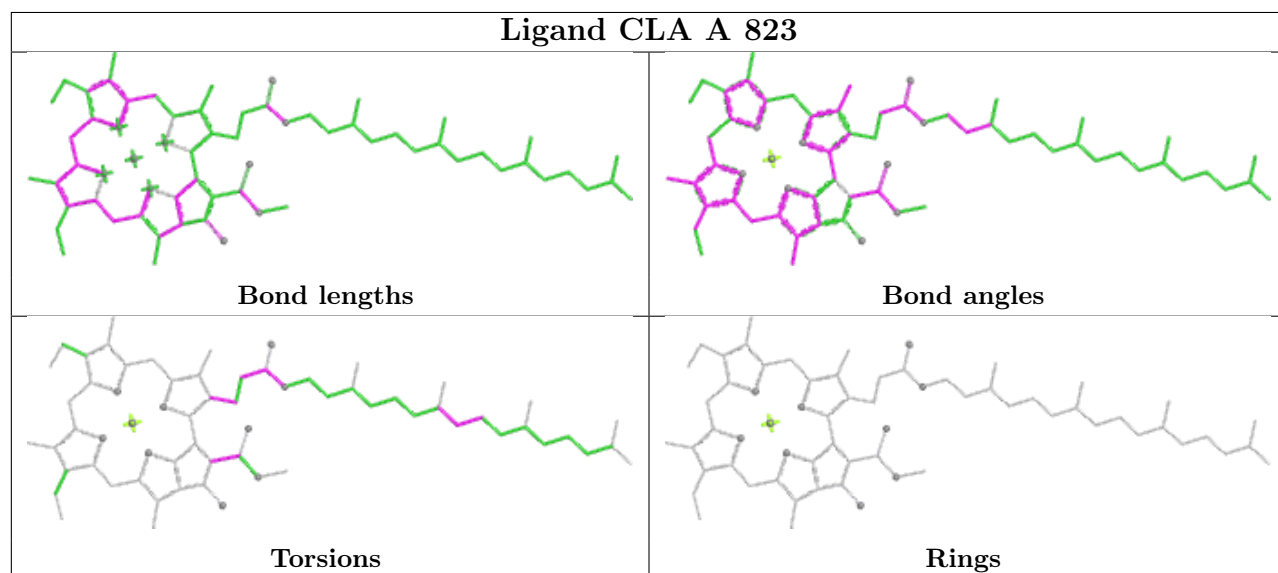
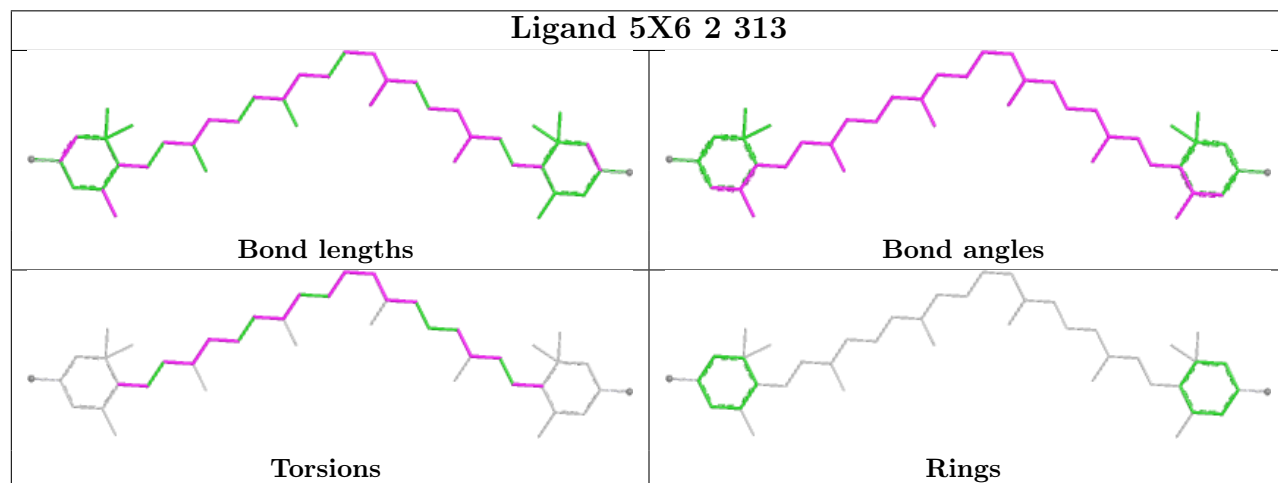
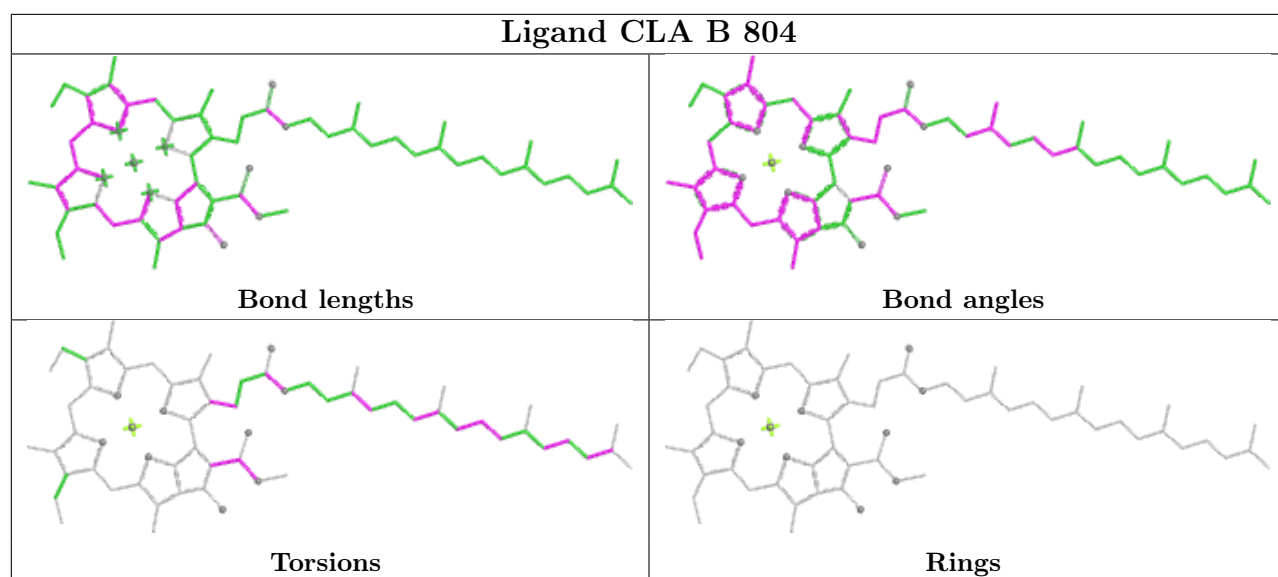


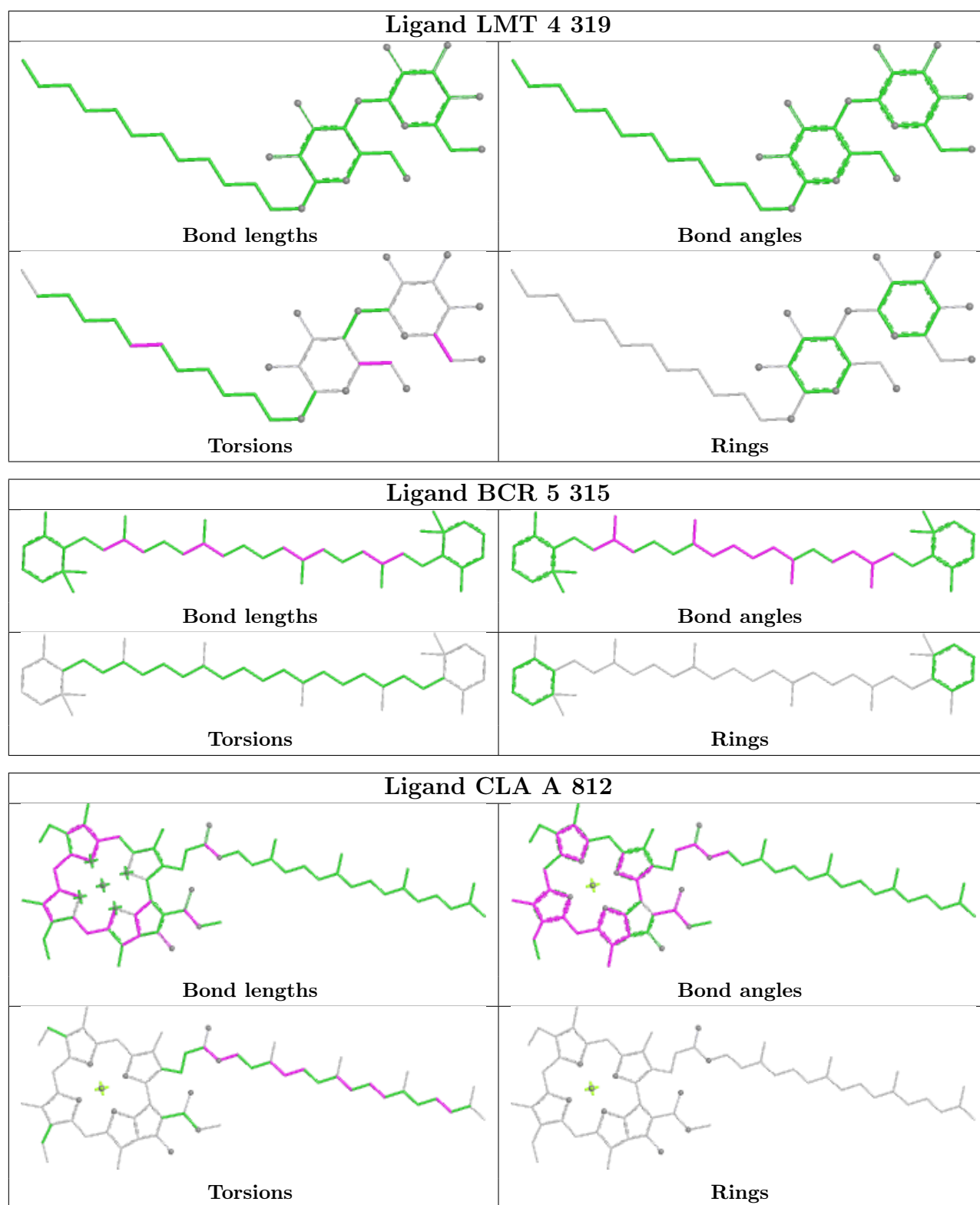
Torsions

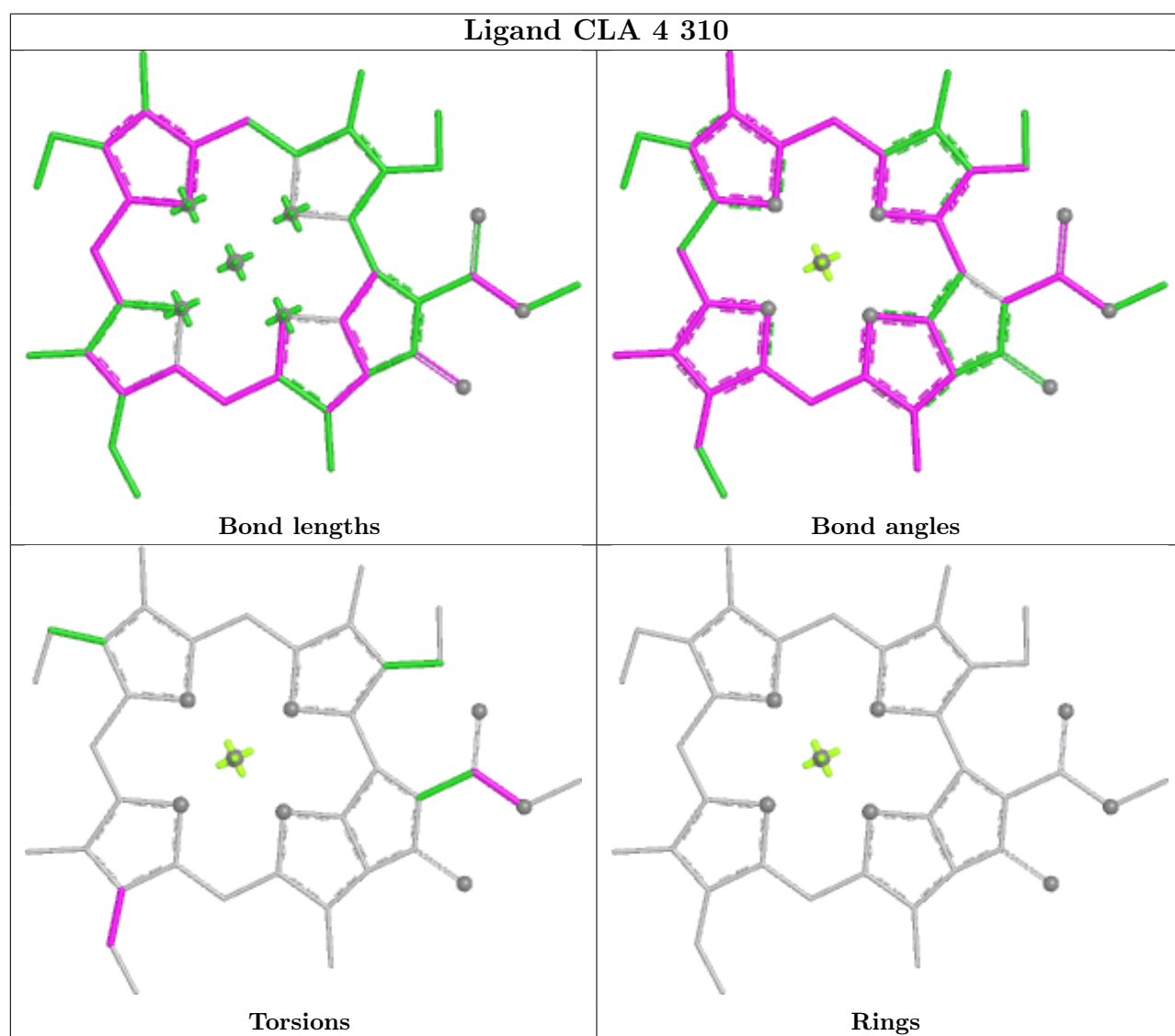
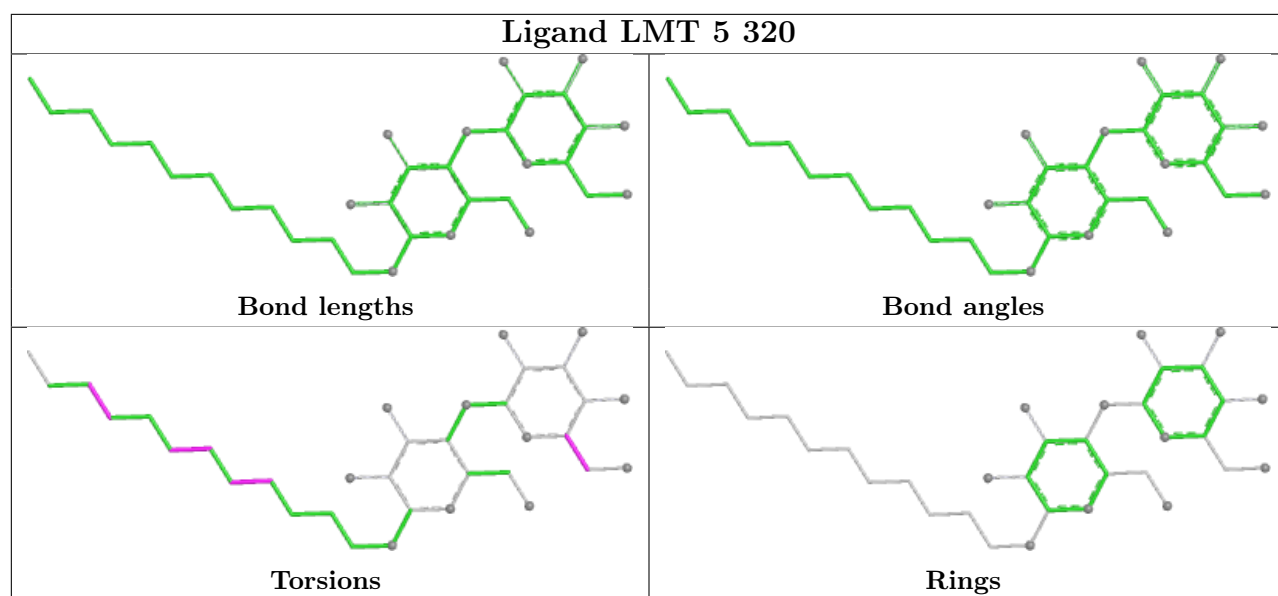


Rings

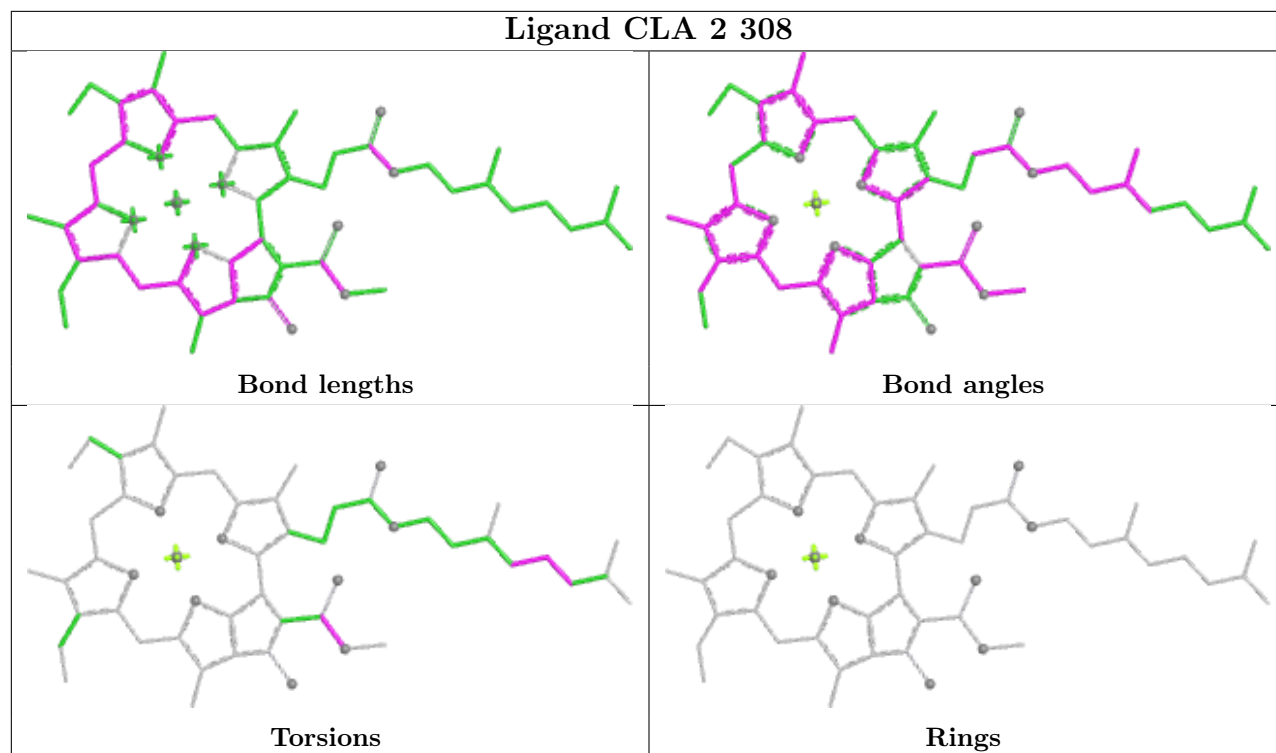




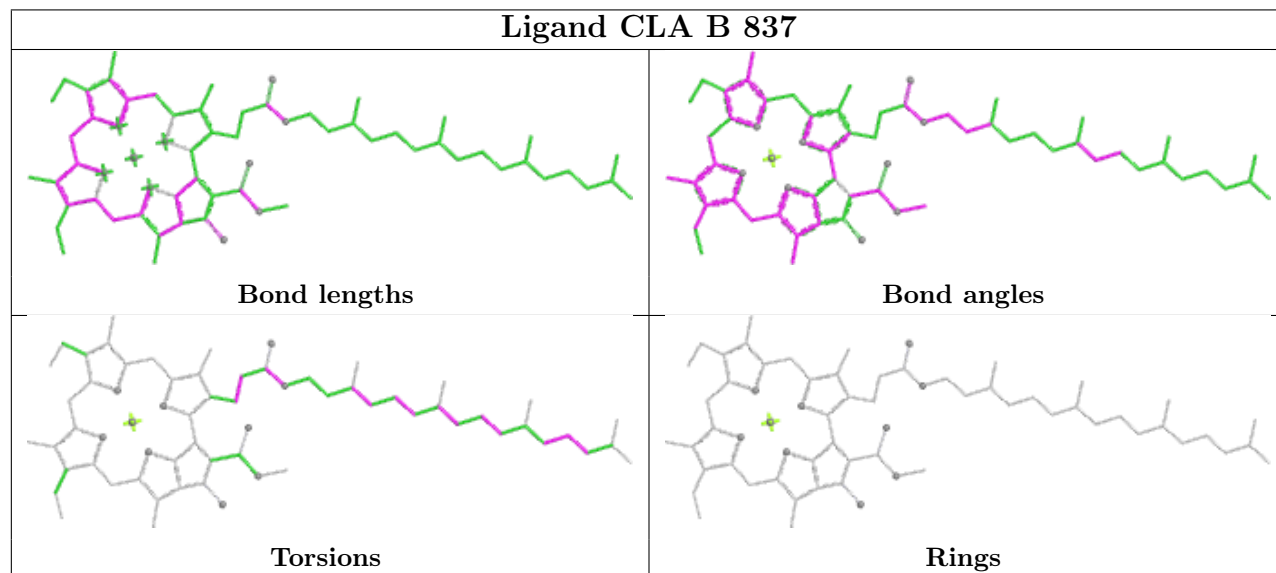




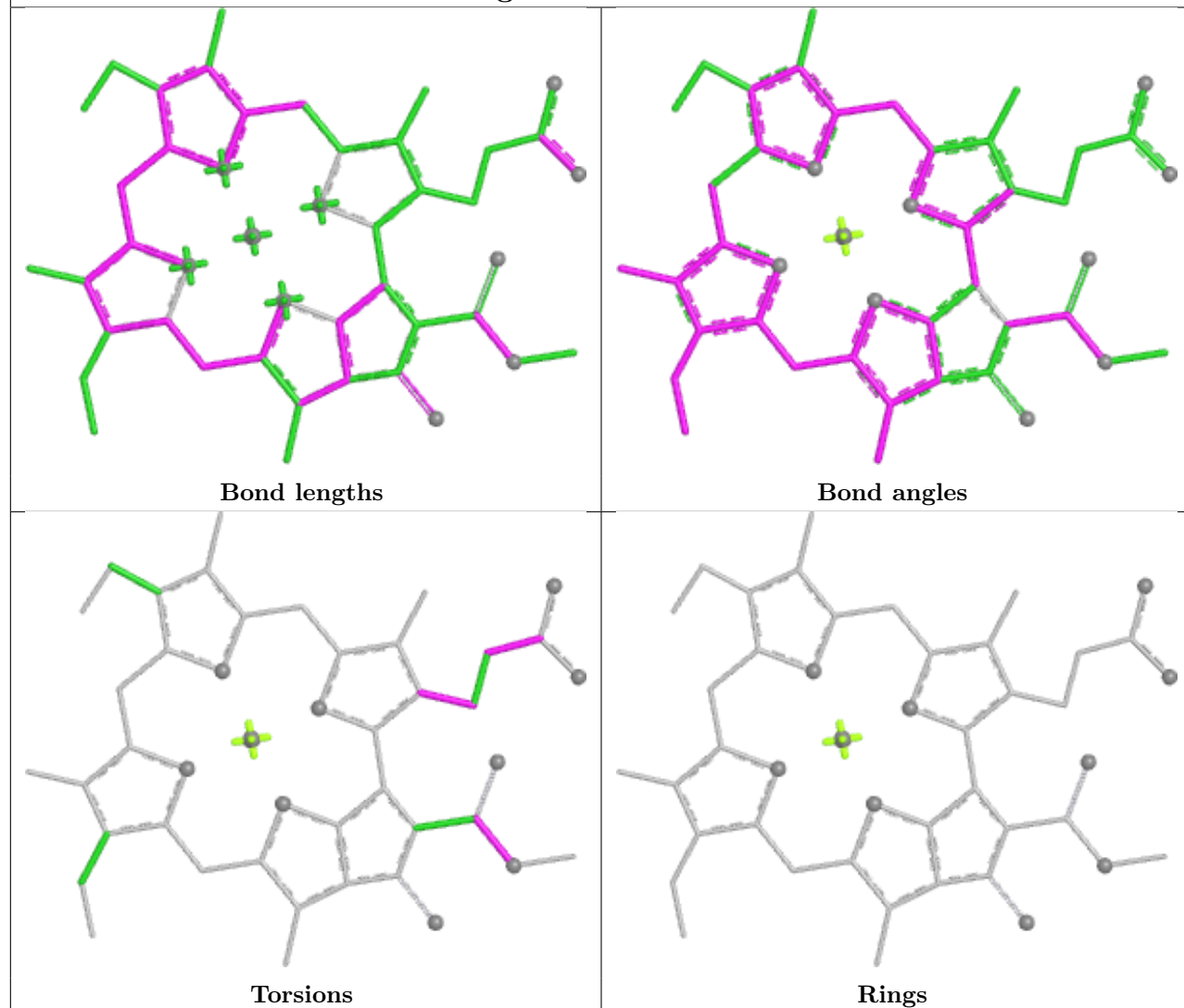
Ligand CLA 2 308



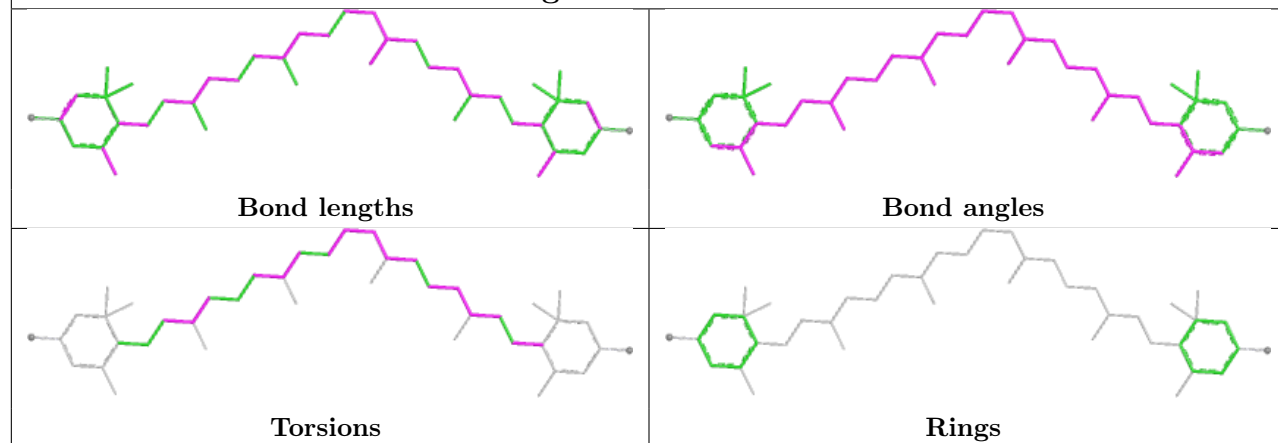
Ligand CLA B 837

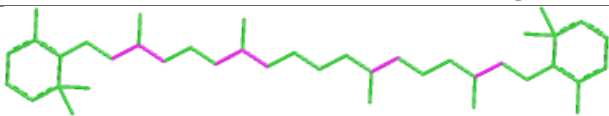
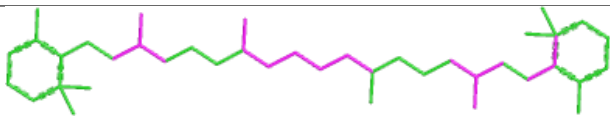
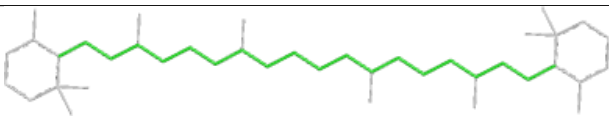
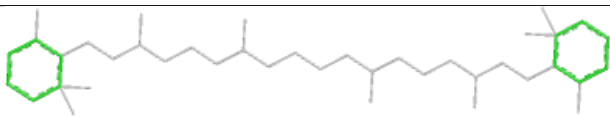


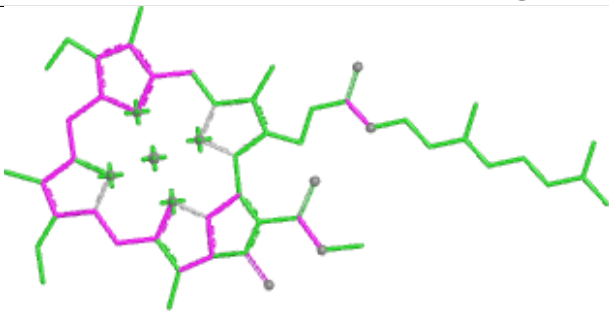
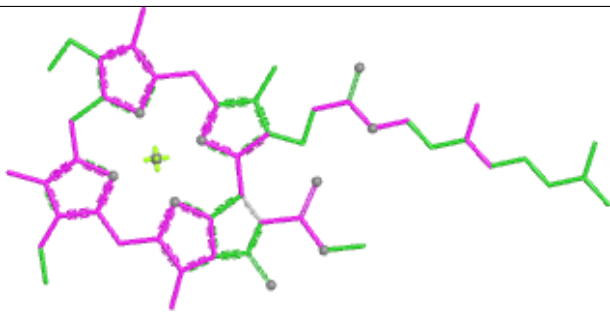
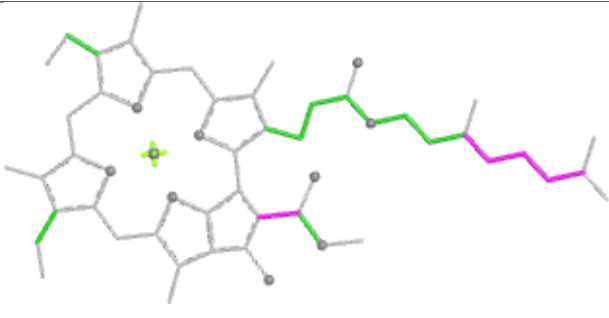
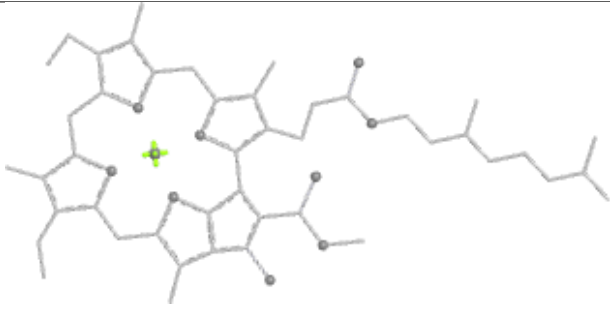
Ligand CLA 6 303

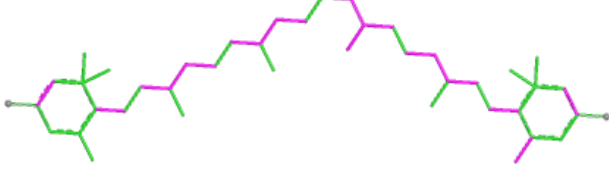
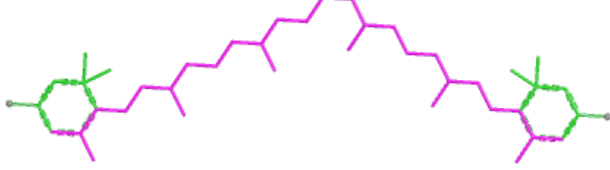
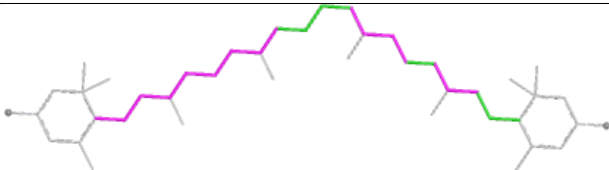
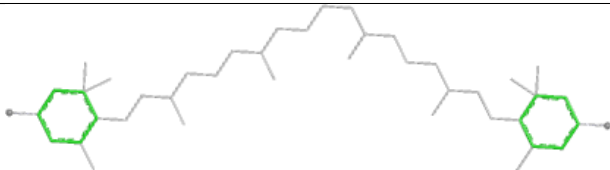


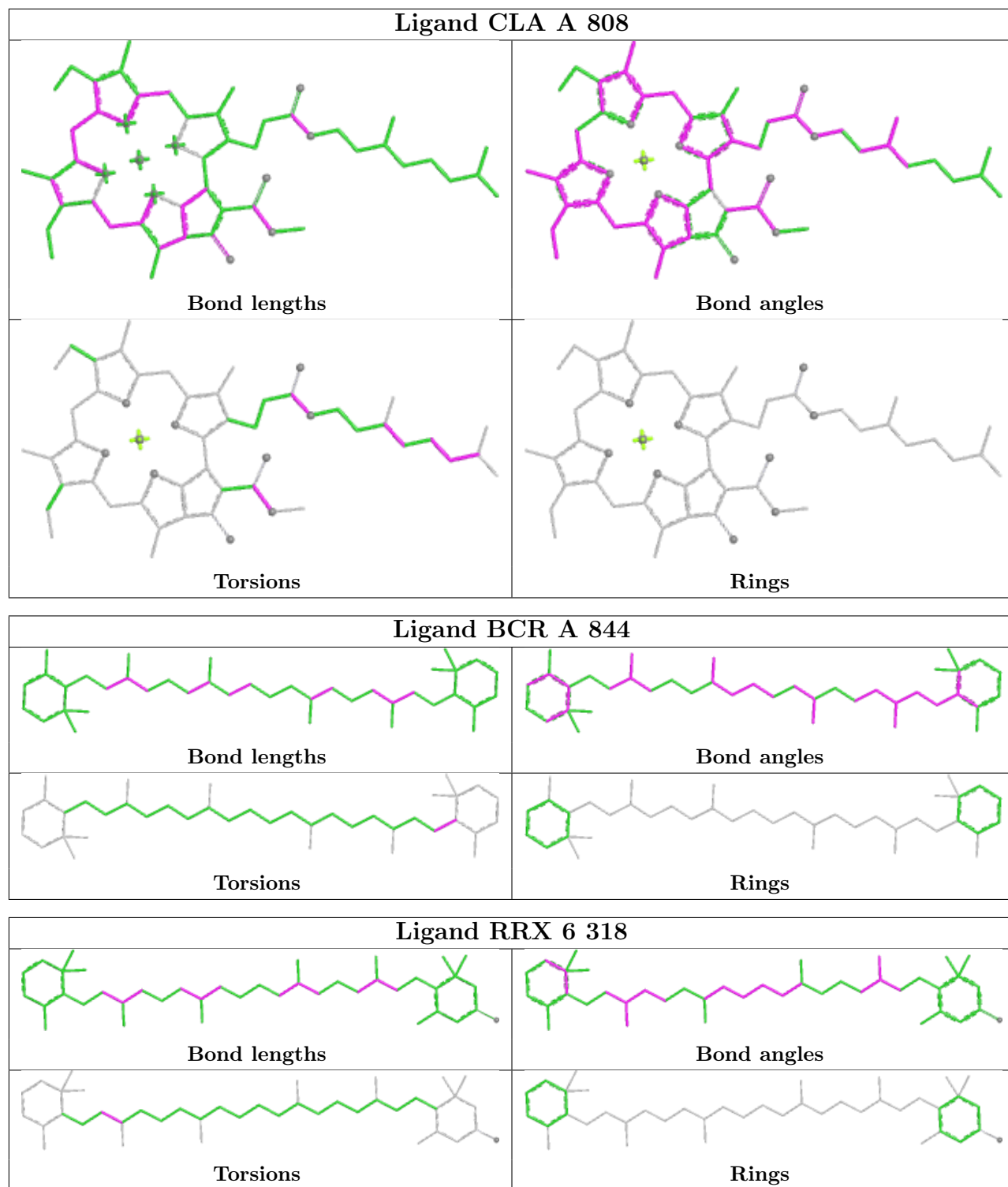
Ligand 5X6 7 316

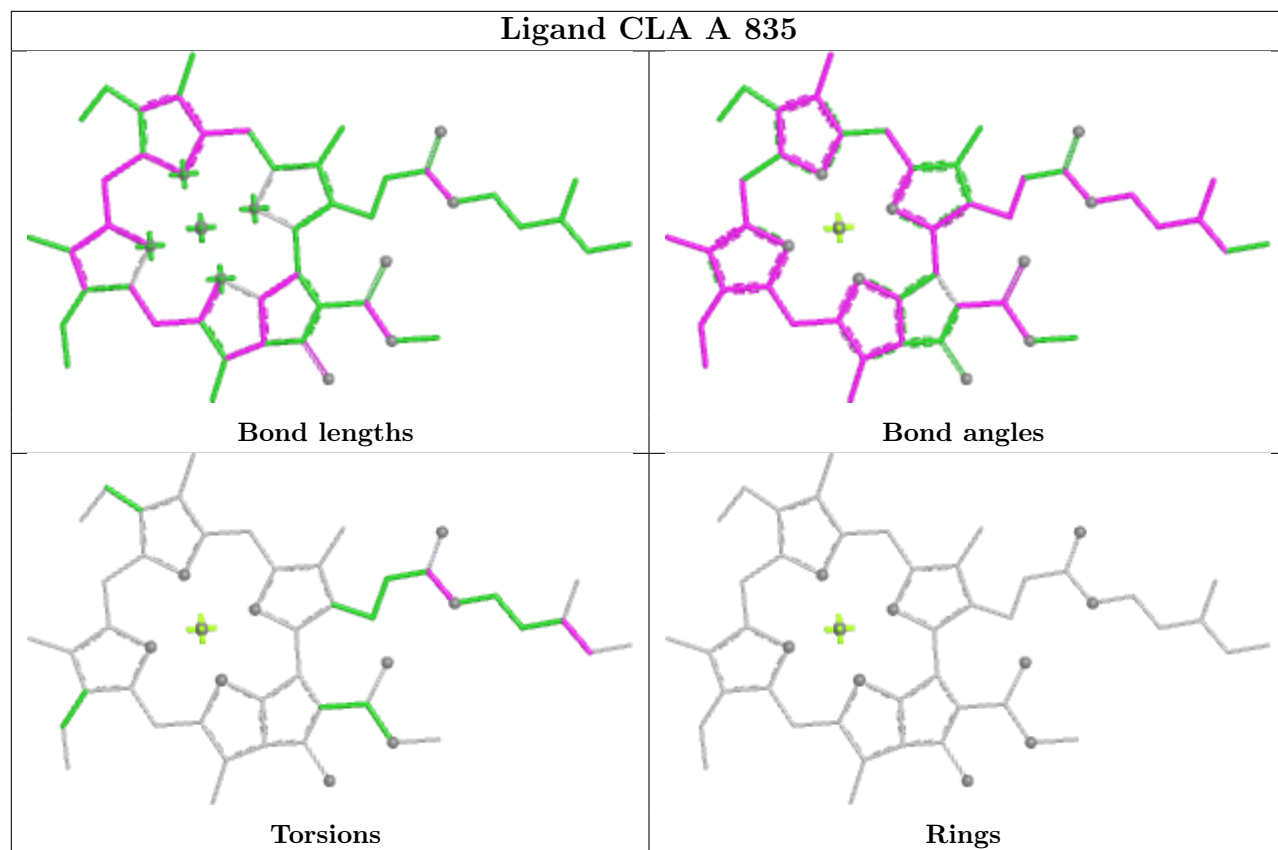


Ligand BCR L 201	
	
Bond lengths	Bond angles
	
Torsions	Rings

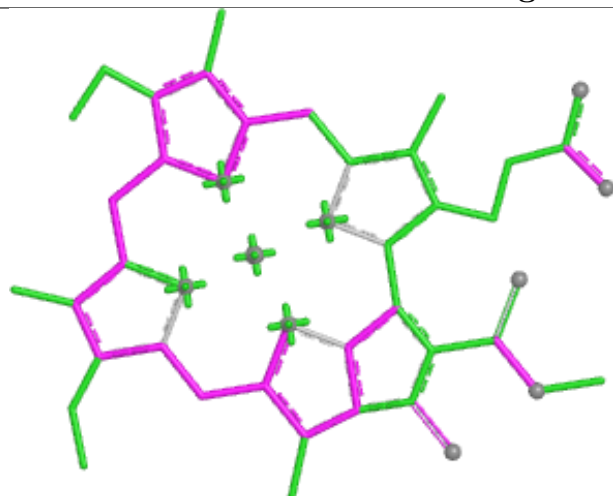
Ligand CLA 6 310	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand 5X6 4 313	
	
Bond lengths	Bond angles
	
Torsions	Rings

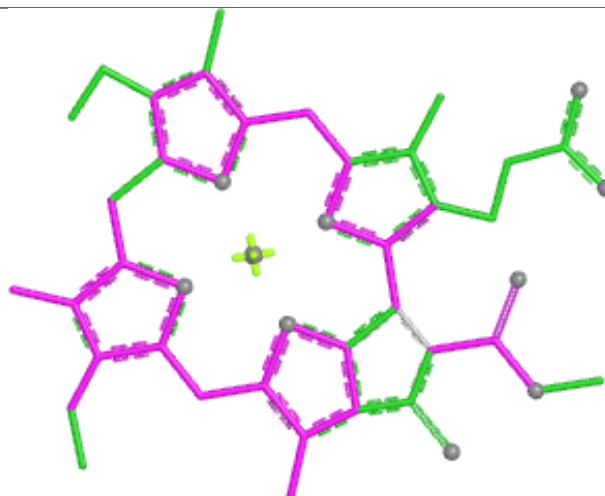




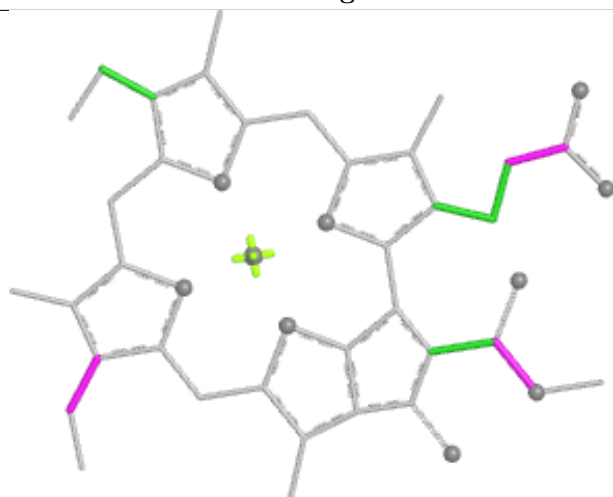
Ligand CLA 1 309



Bond lengths



Bond angles

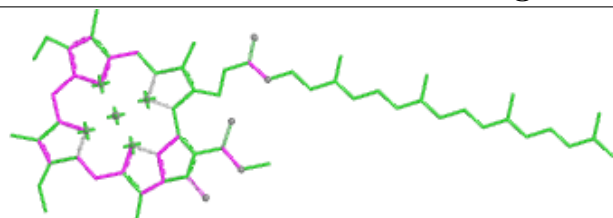


Torsions

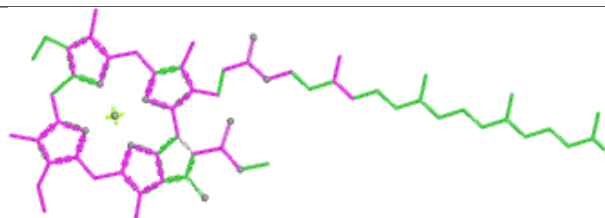


Rings

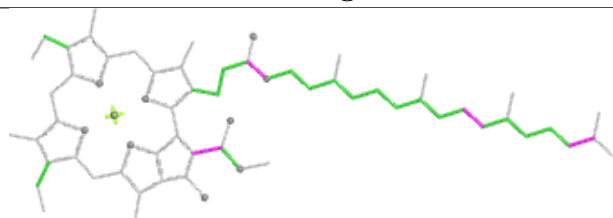
Ligand CLA A 809



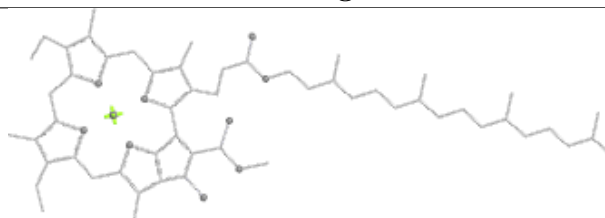
Bond lengths



Bond angles

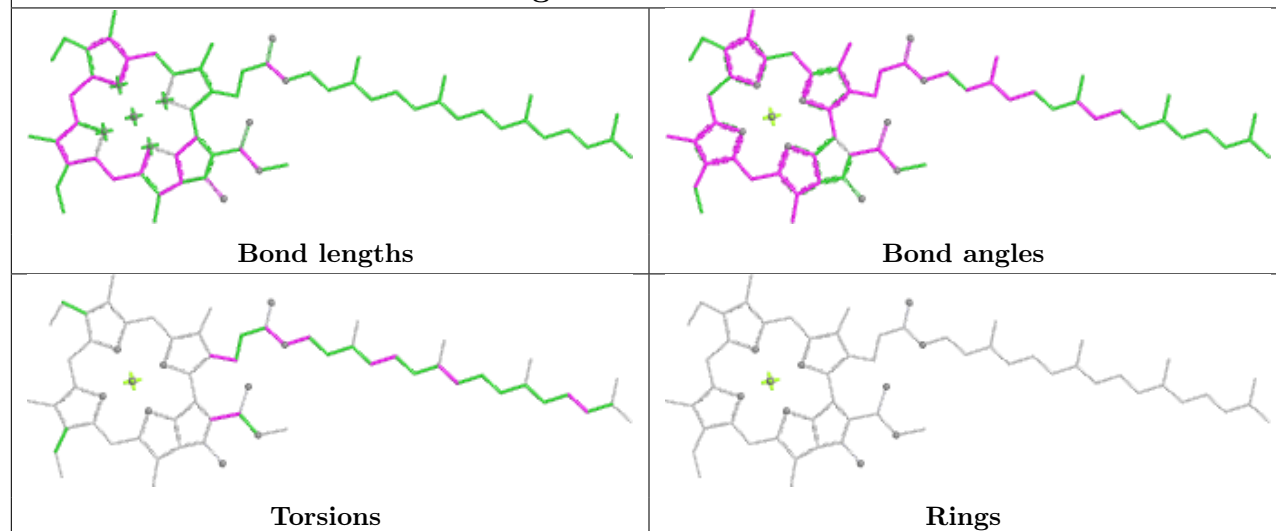


Torsions

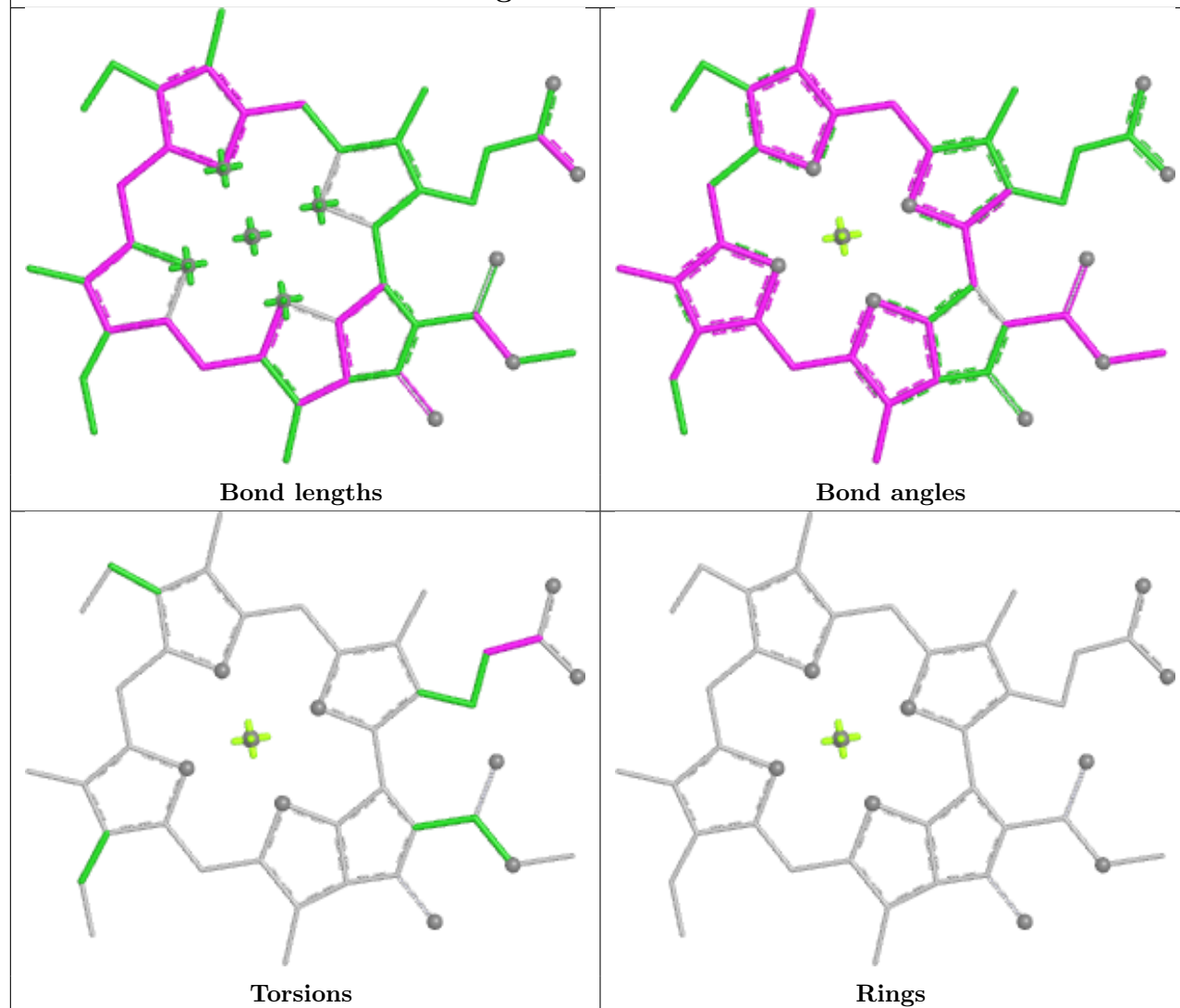


Rings

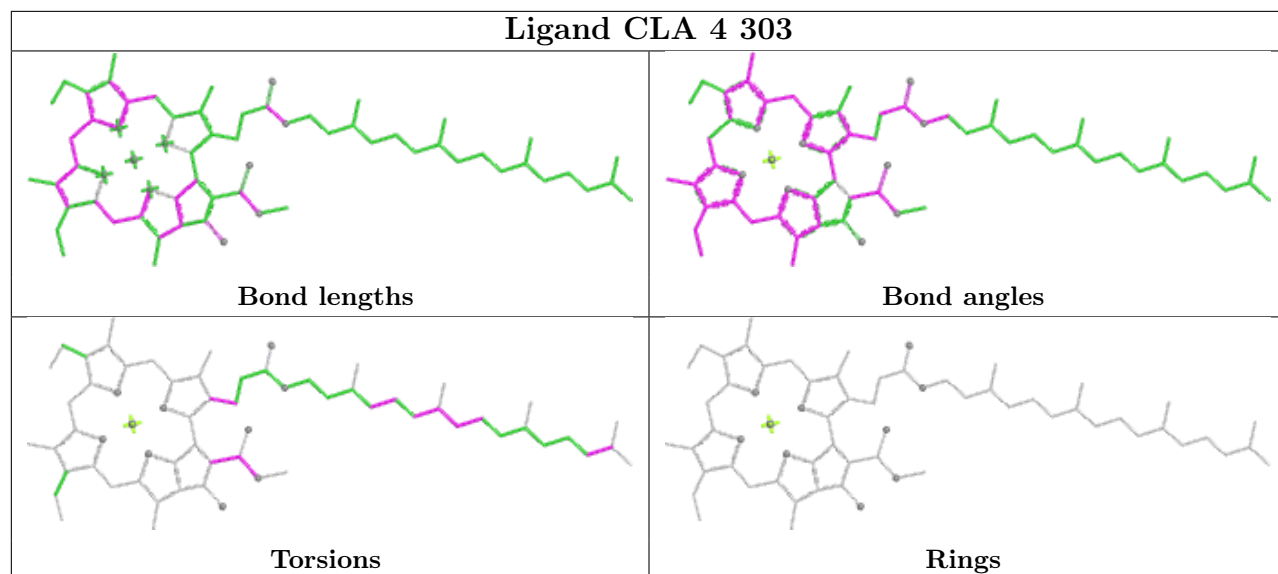
Ligand CLA B 805



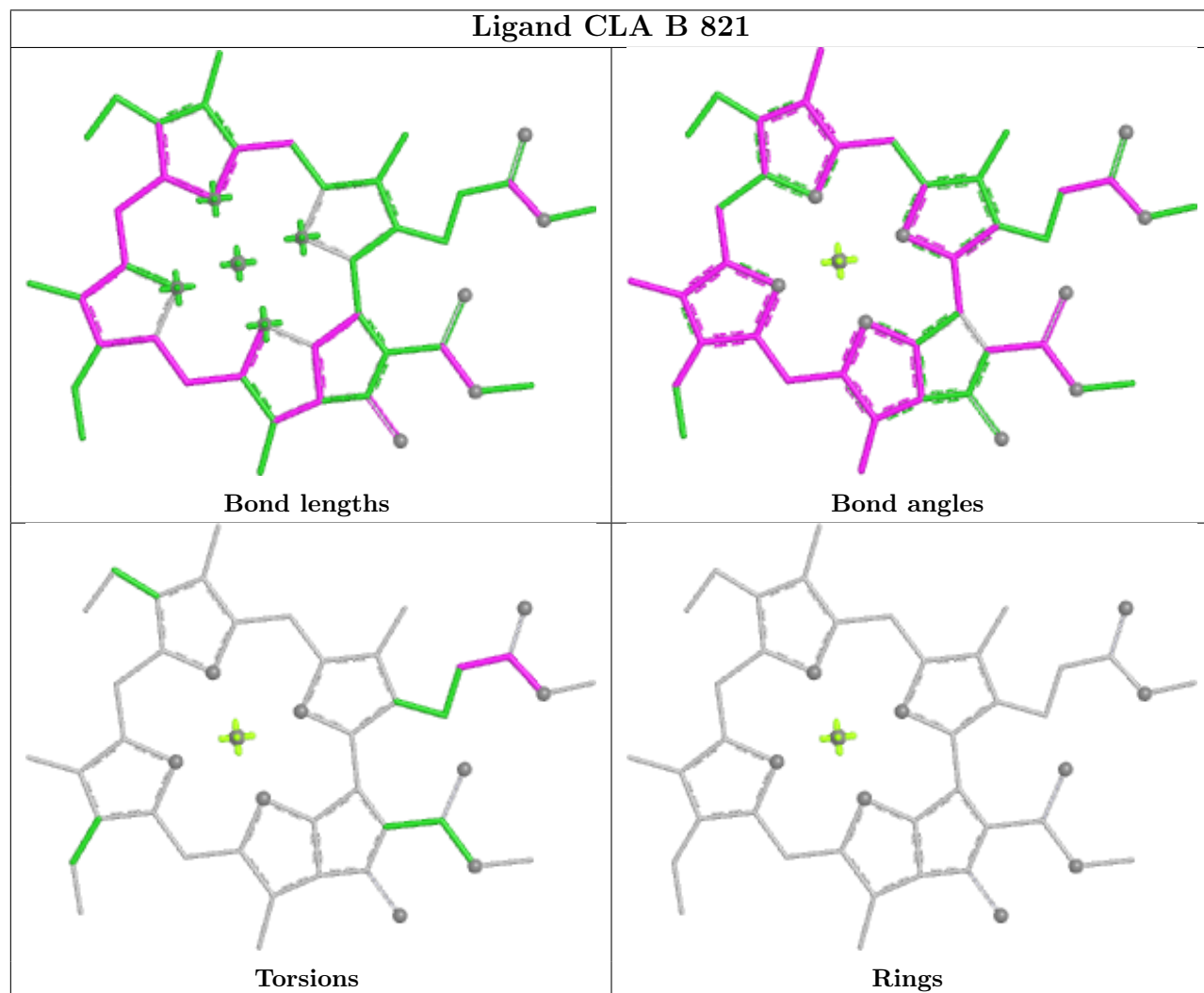
Ligand CLA 3 304

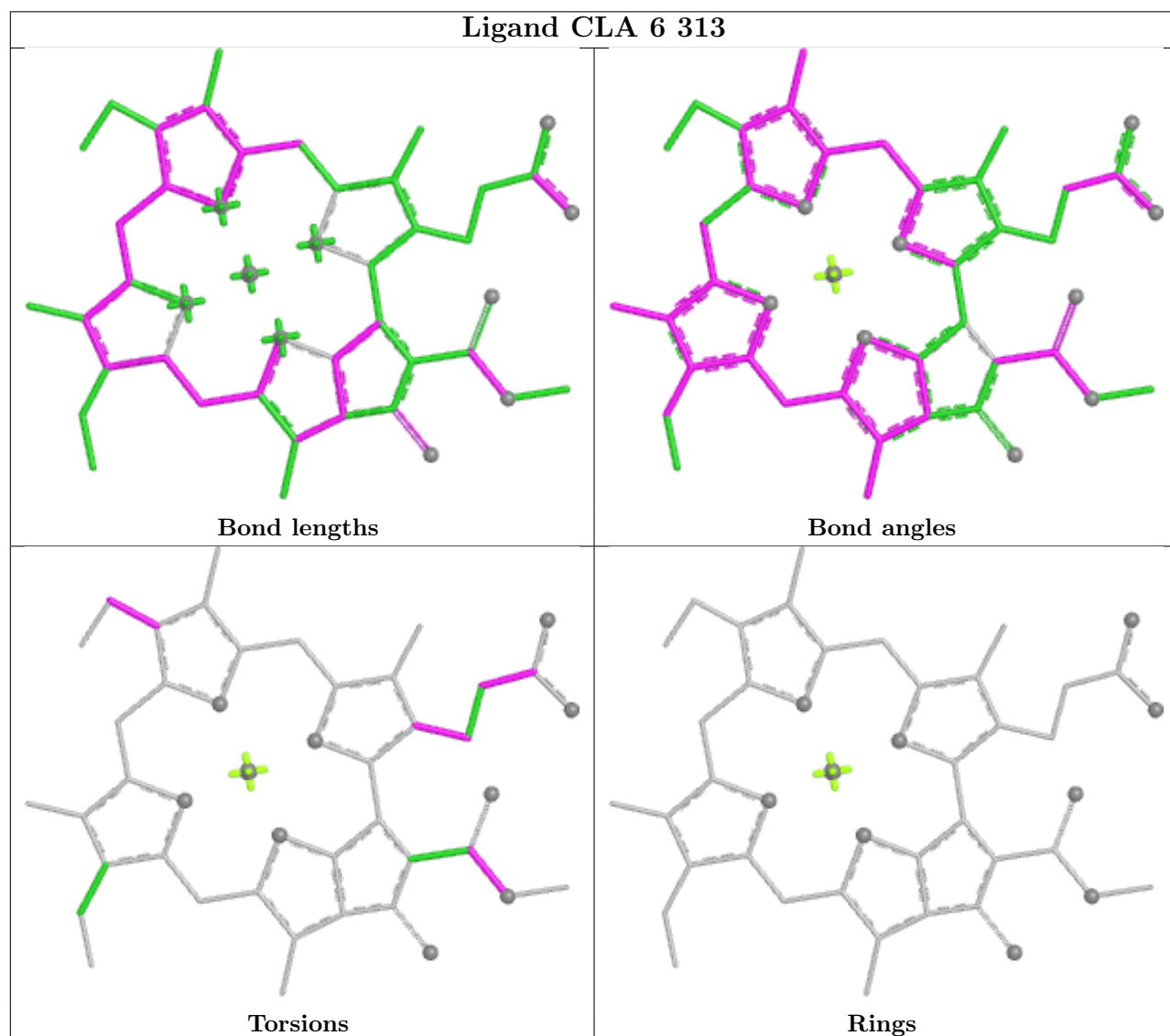
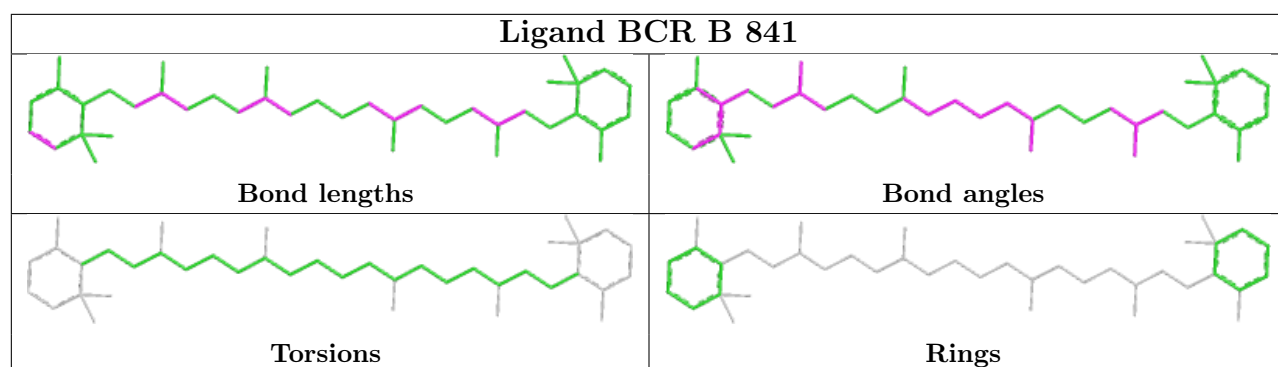


Ligand CLA 4 303

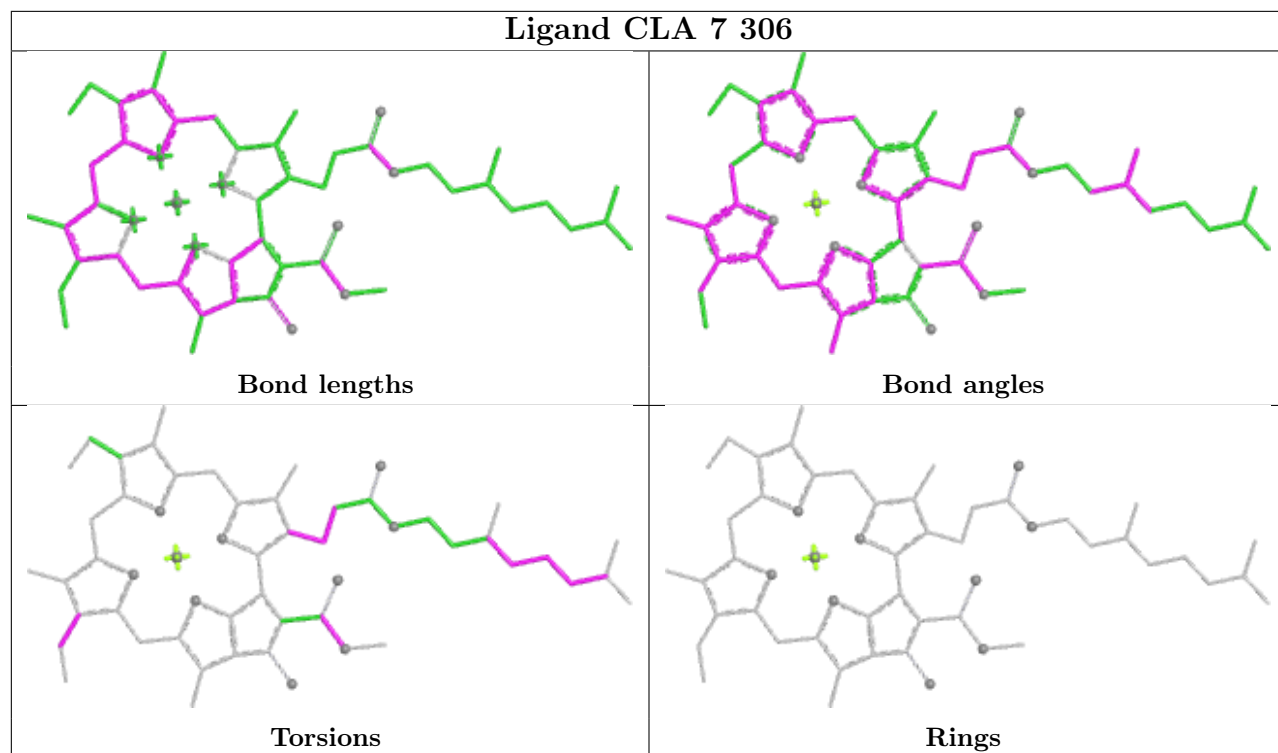


Ligand CLA B 821

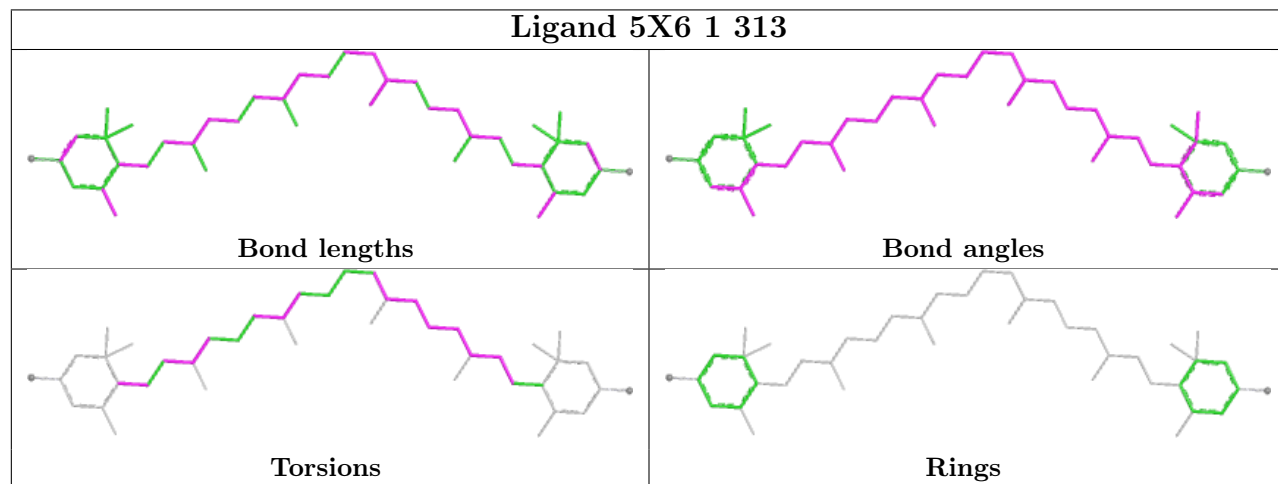


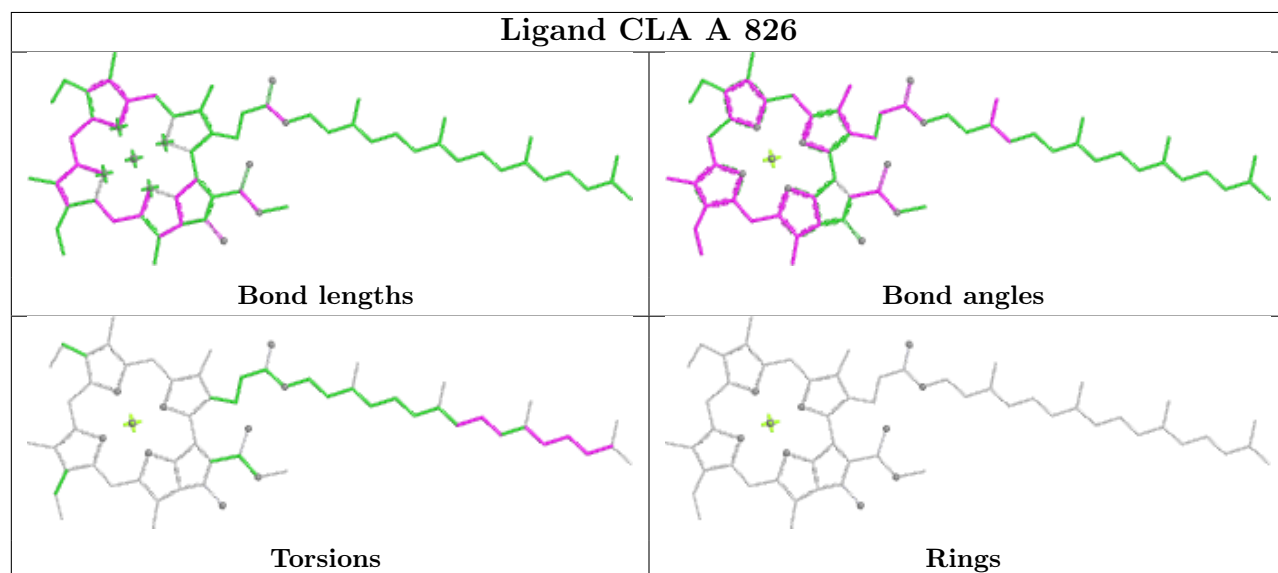
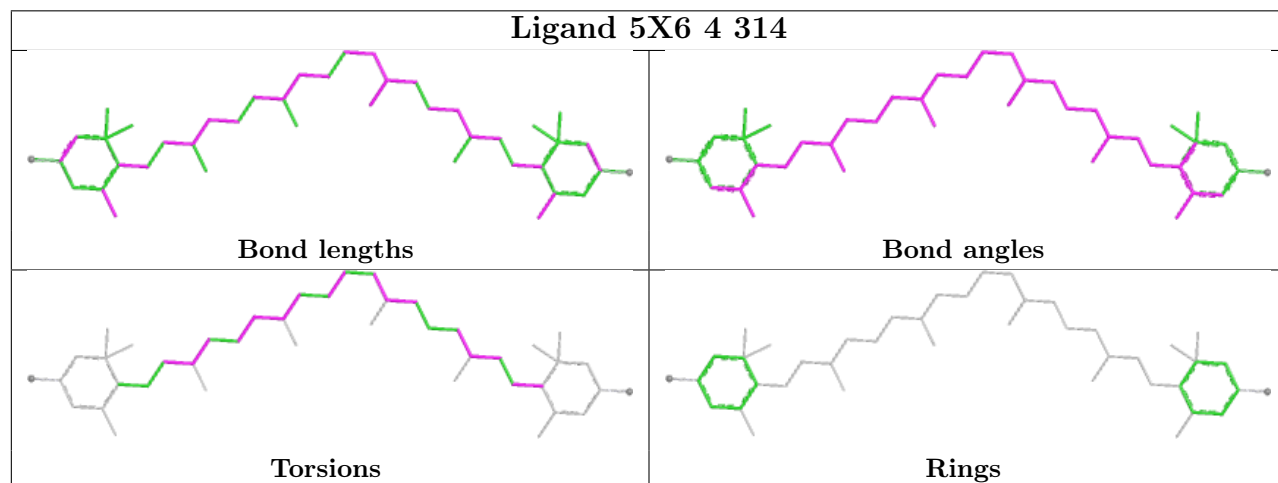
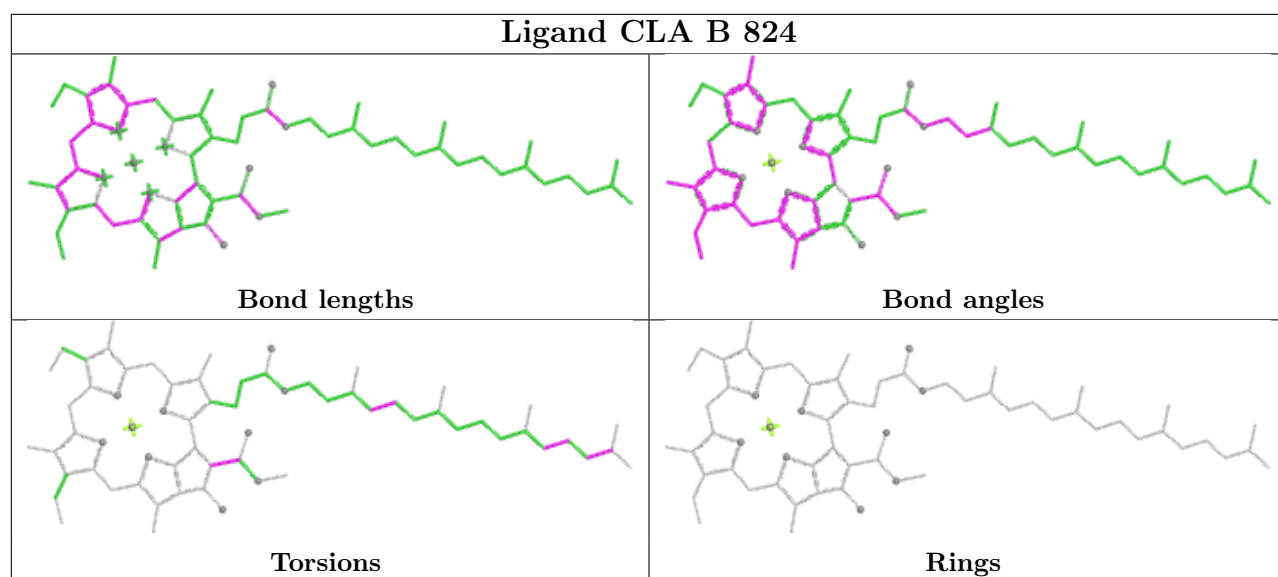


Ligand CLA 7 306

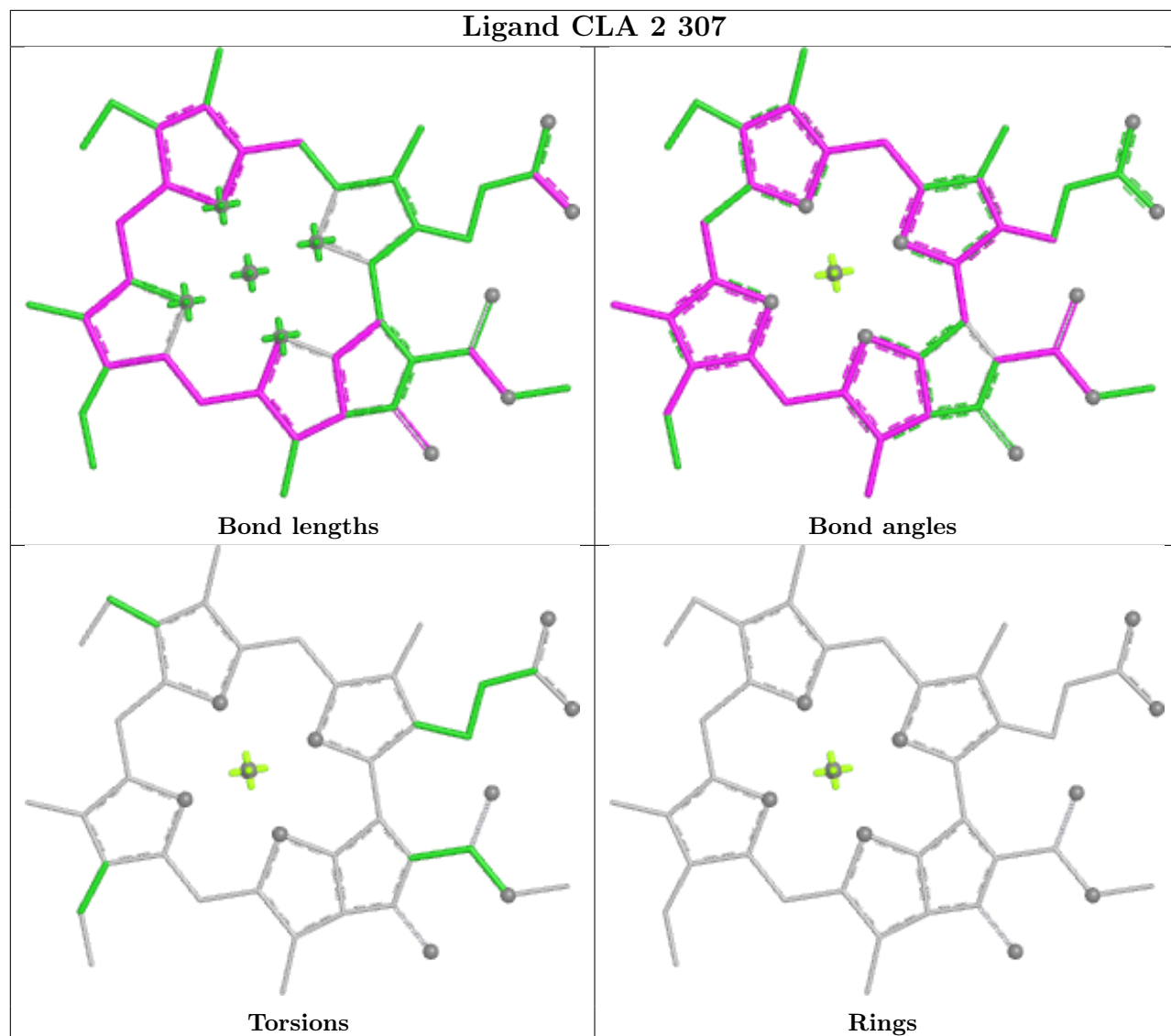


Ligand 5X6 1 313

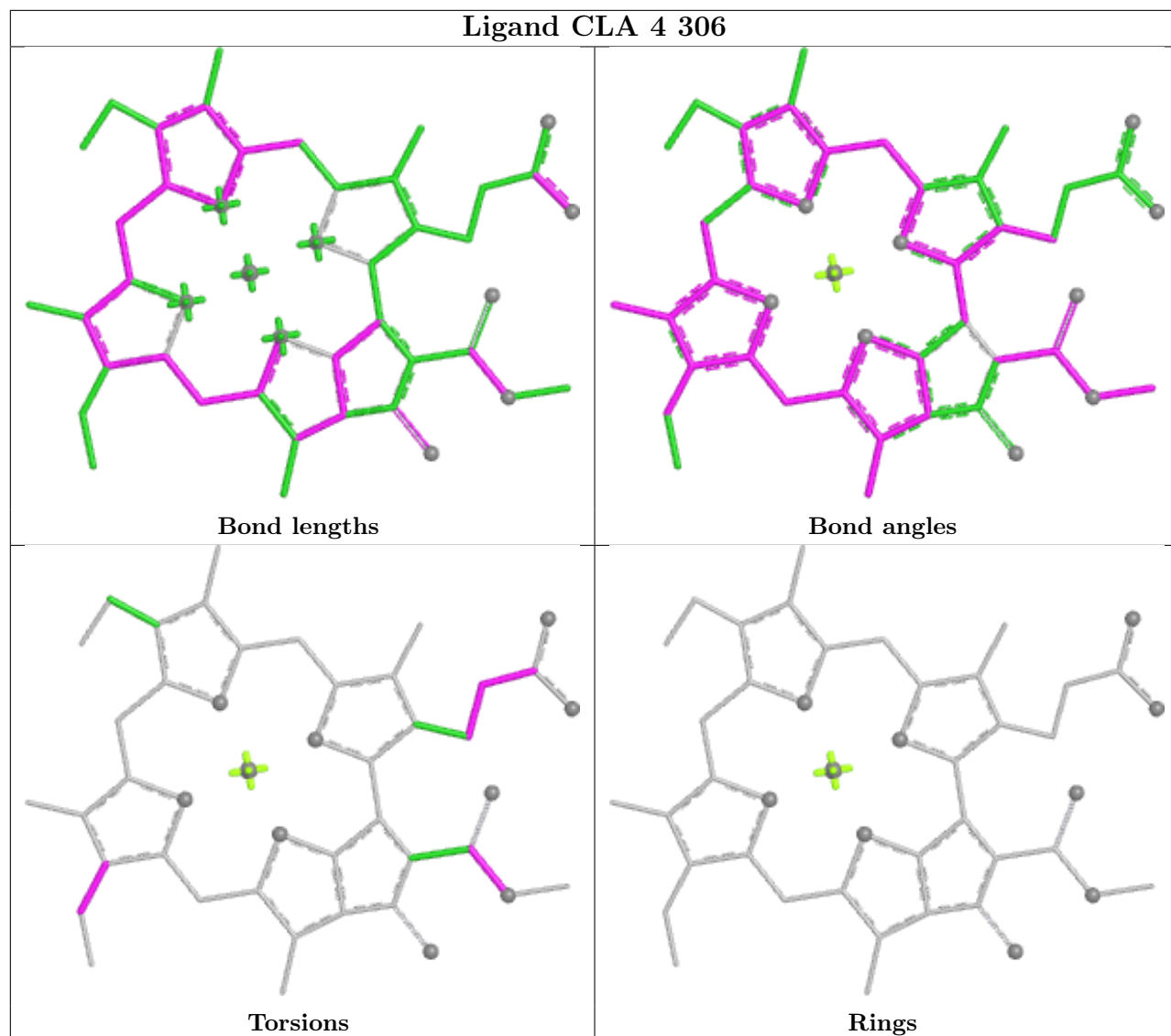


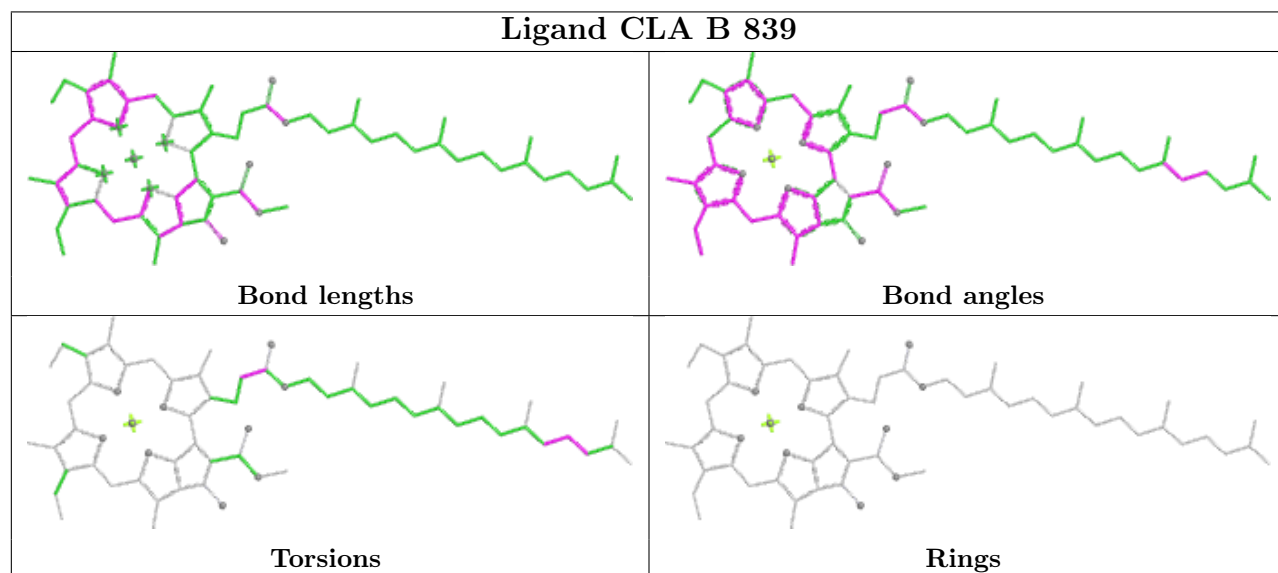
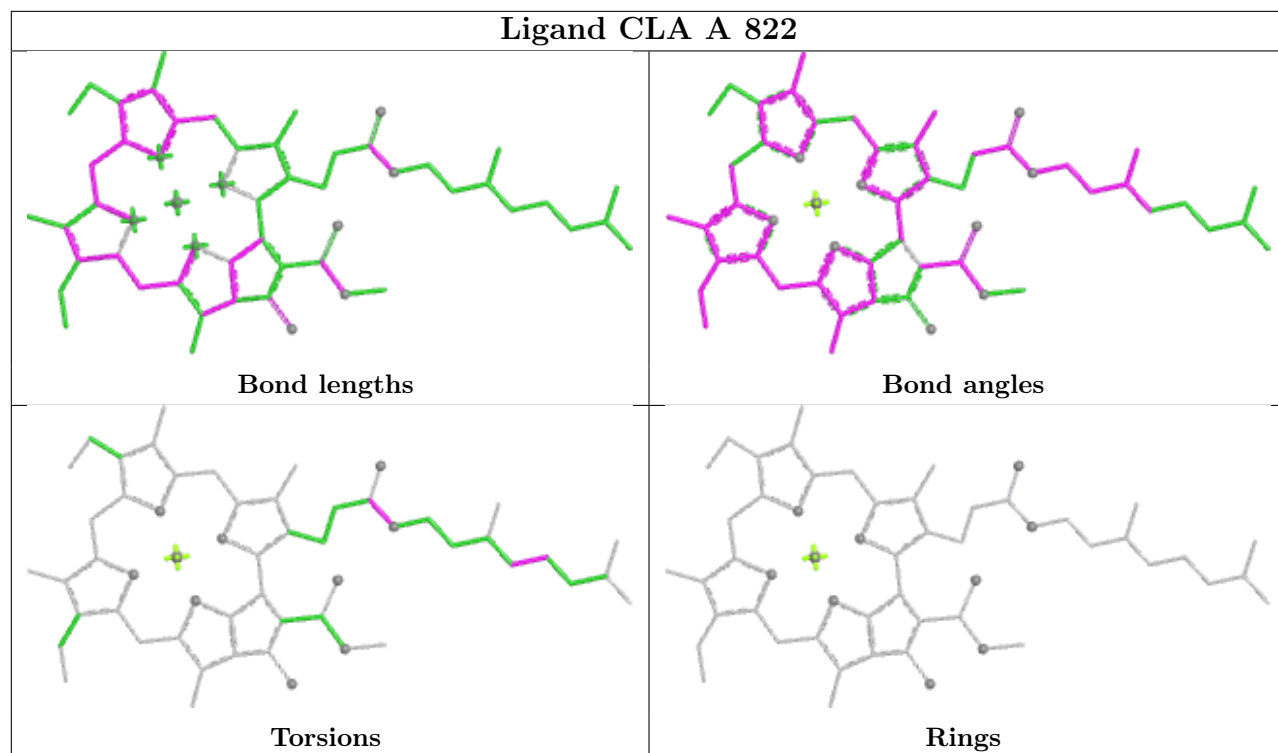


Ligand CLA 2 307

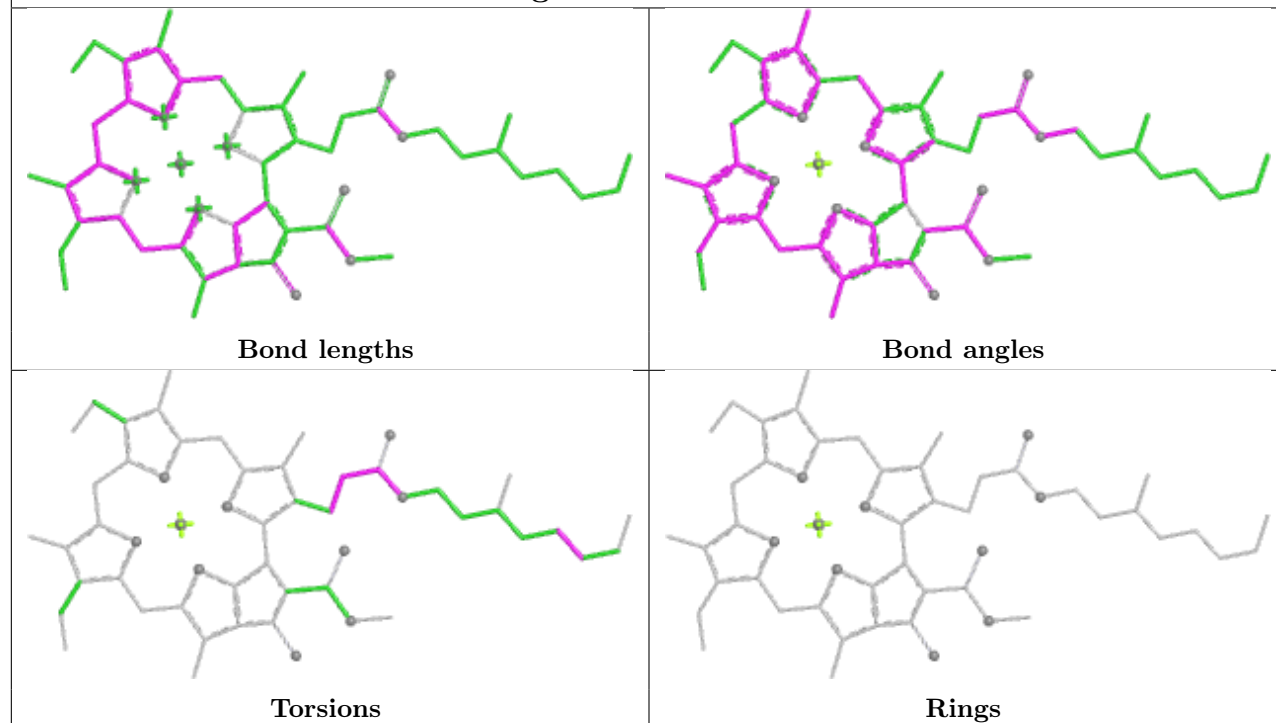


Ligand CLA 4 306

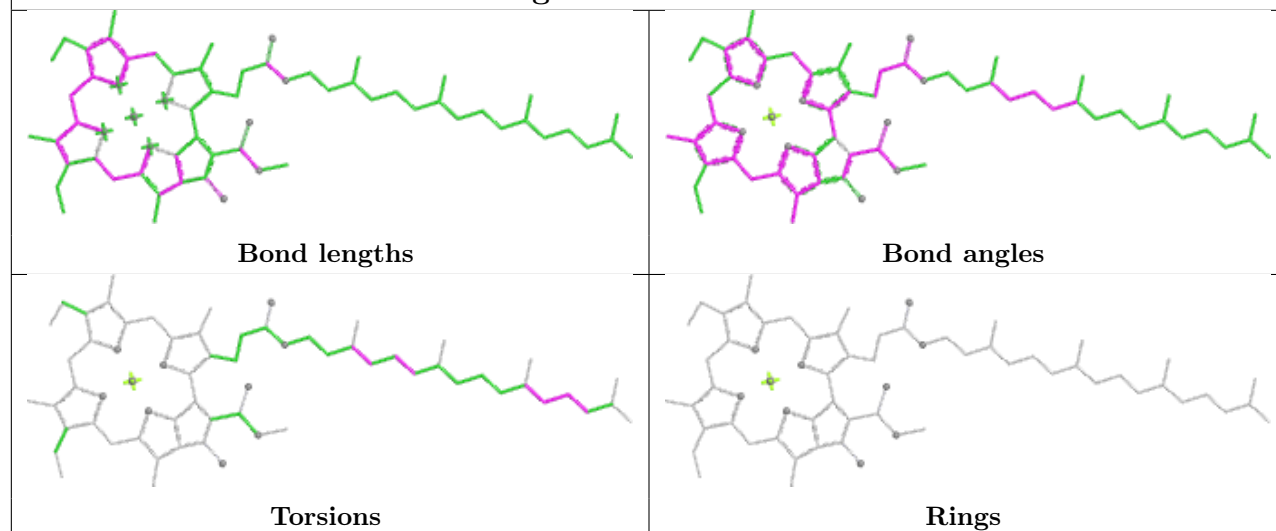




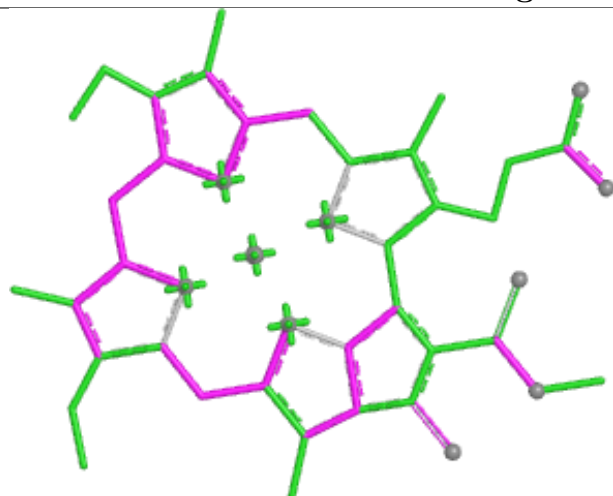
Ligand CLA A 810



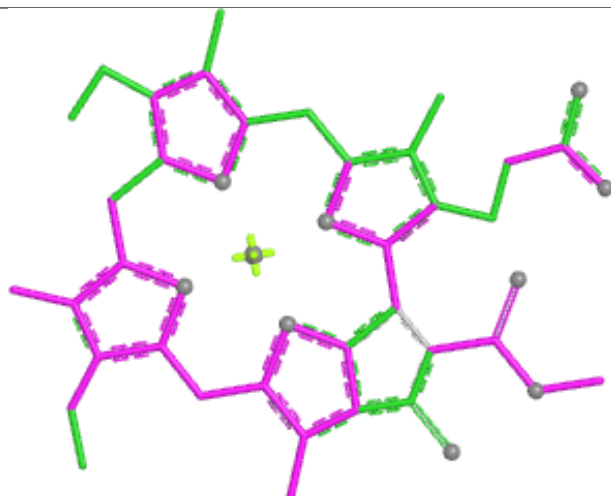
Ligand CLA B 832



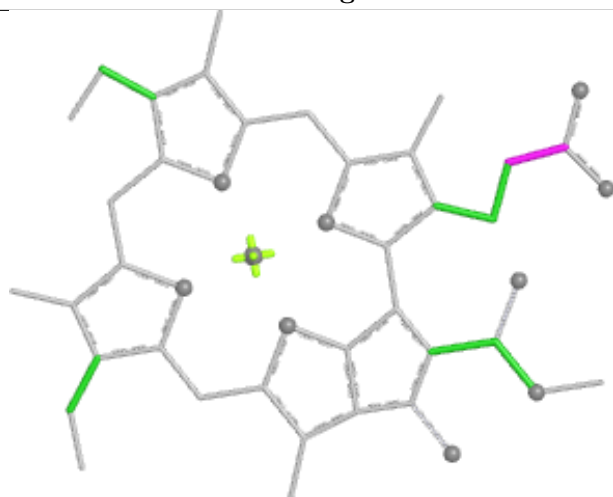
Ligand CLA F 205



Bond lengths



Bond angles

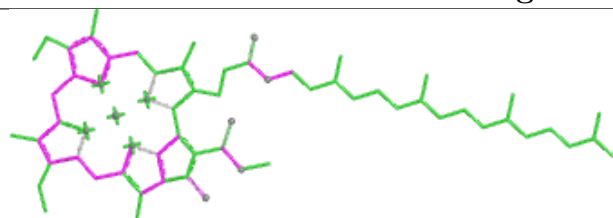


Torsions

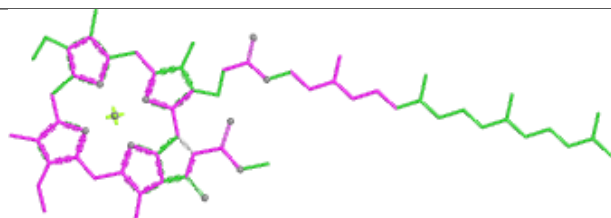


Rings

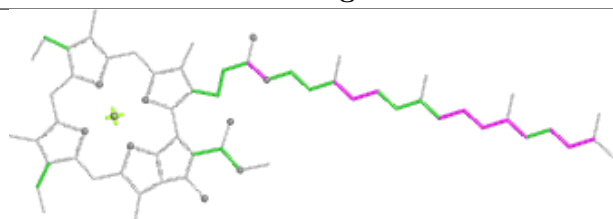
Ligand CLA Z 204



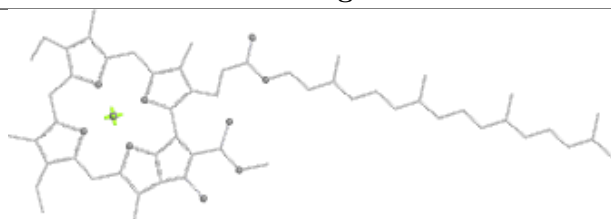
Bond lengths



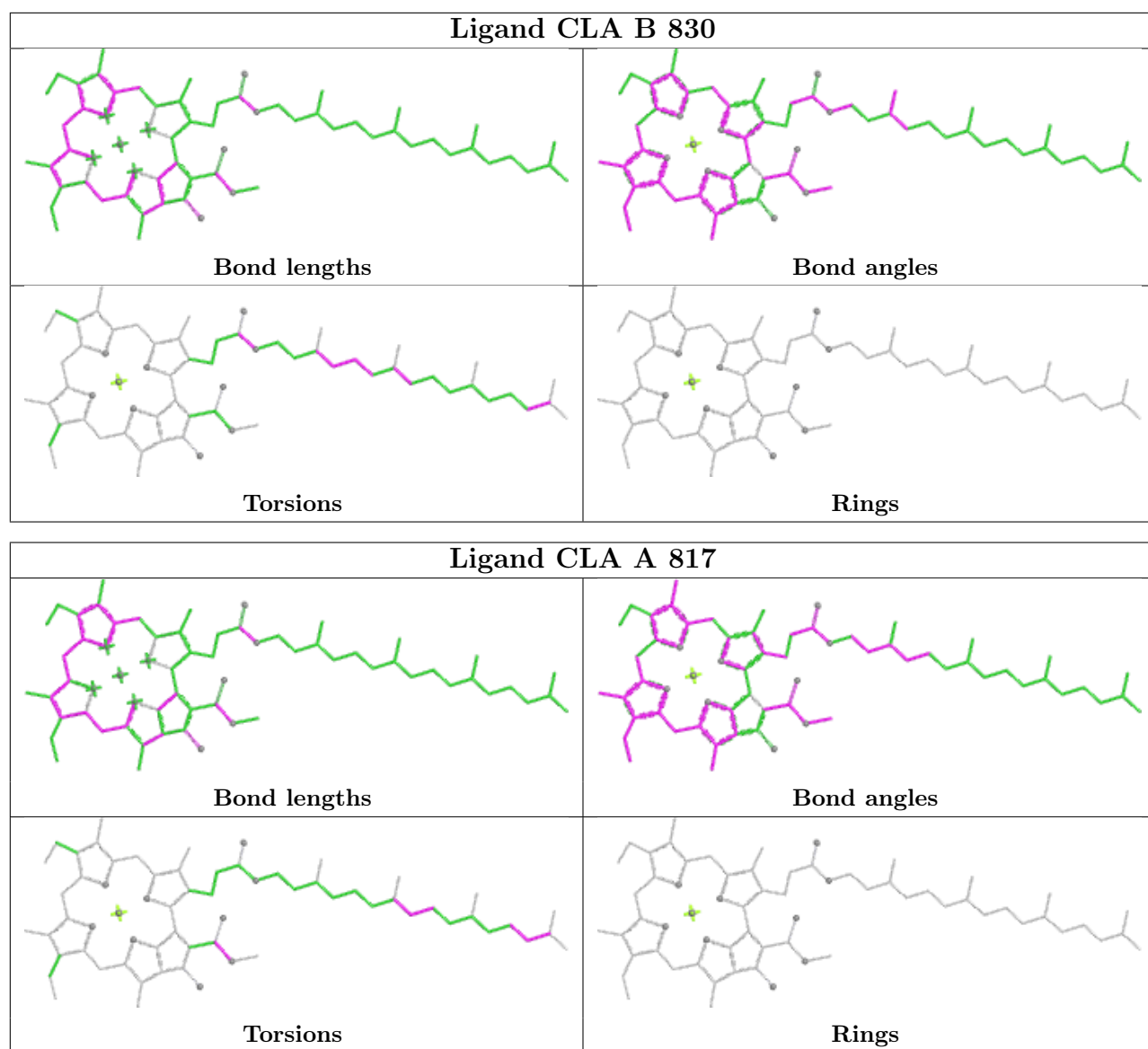
Bond angles



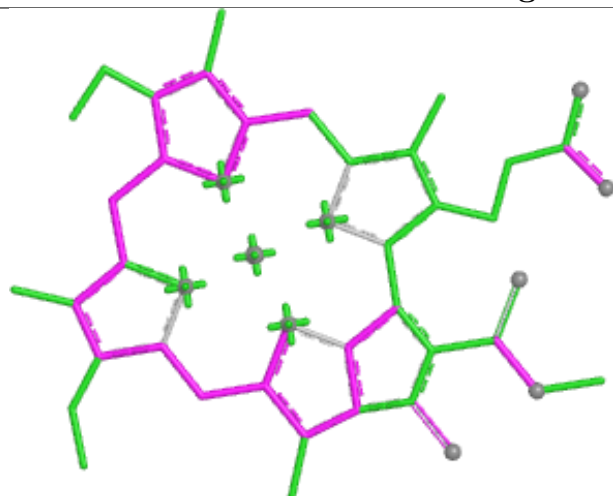
Torsions



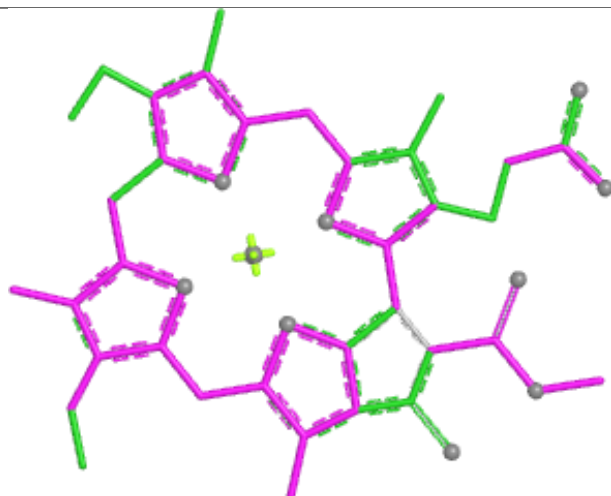
Rings



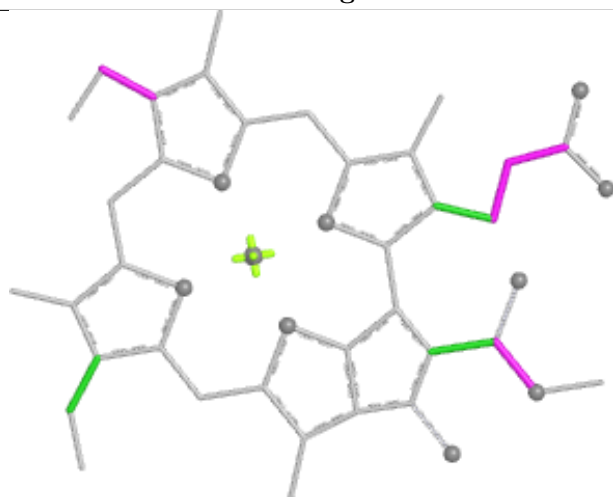
Ligand CLA 2 306



Bond lengths



Bond angles

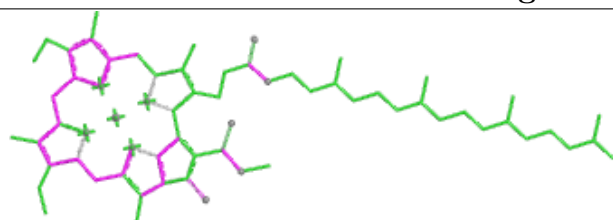


Torsions

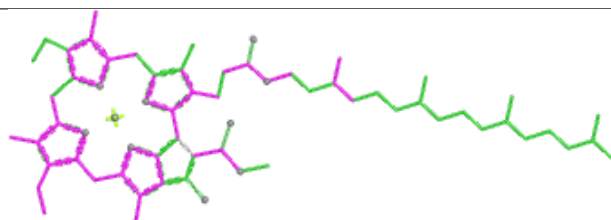


Rings

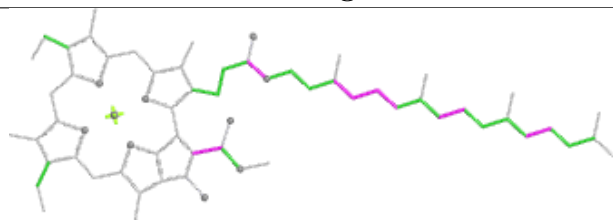
Ligand CLA 4 309



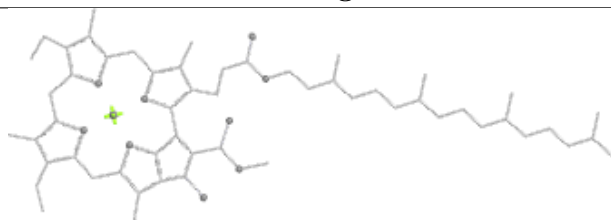
Bond lengths



Bond angles

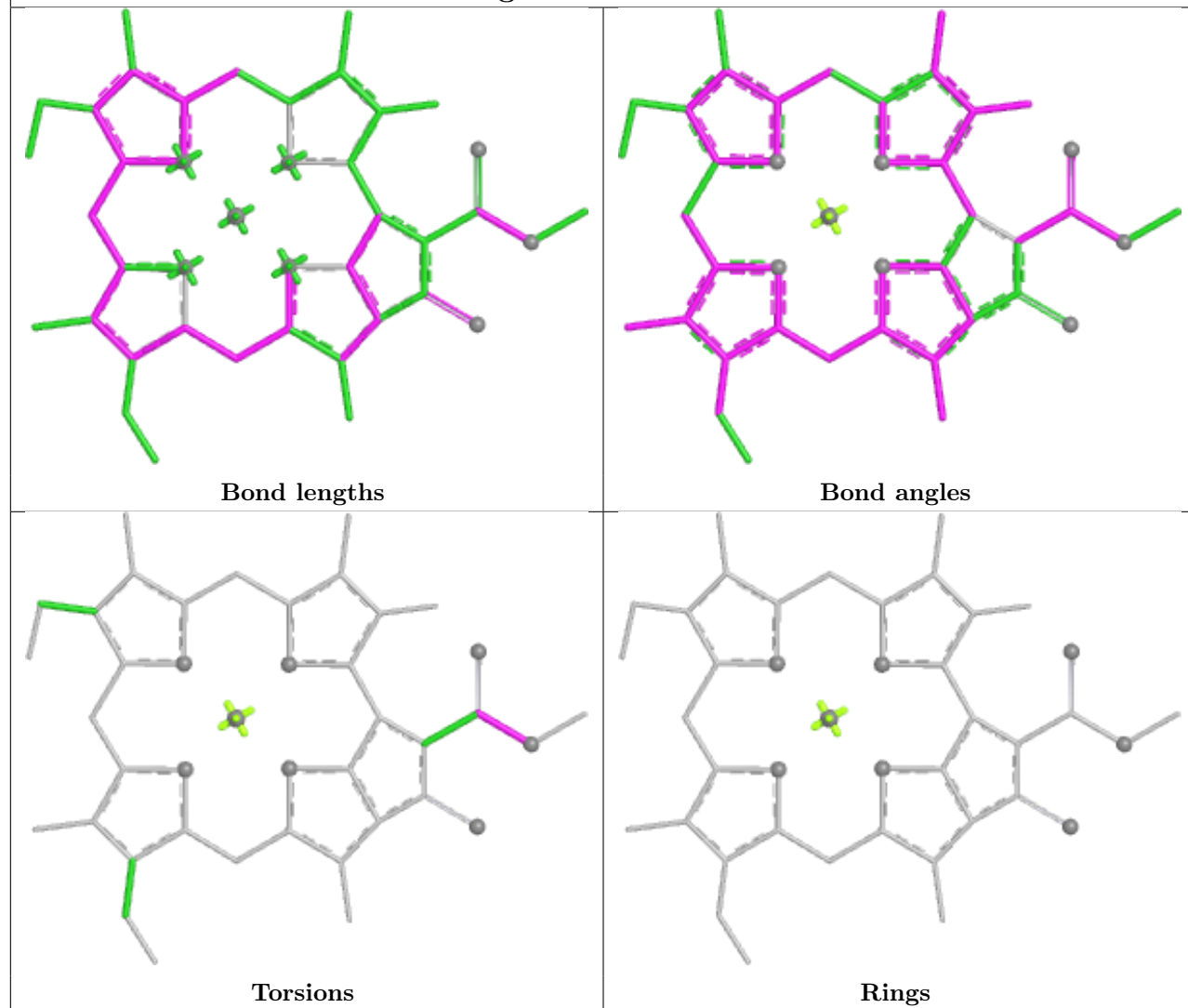


Torsions

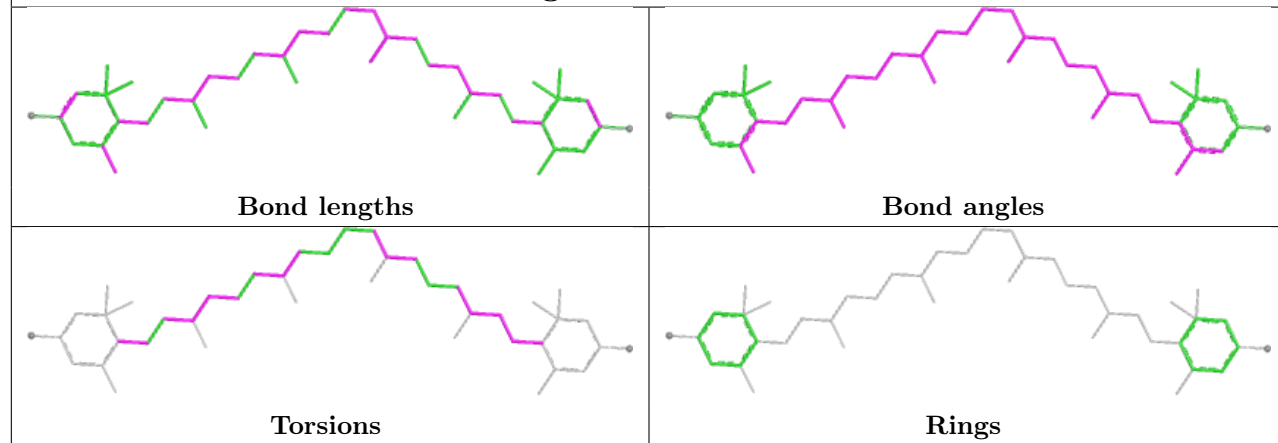


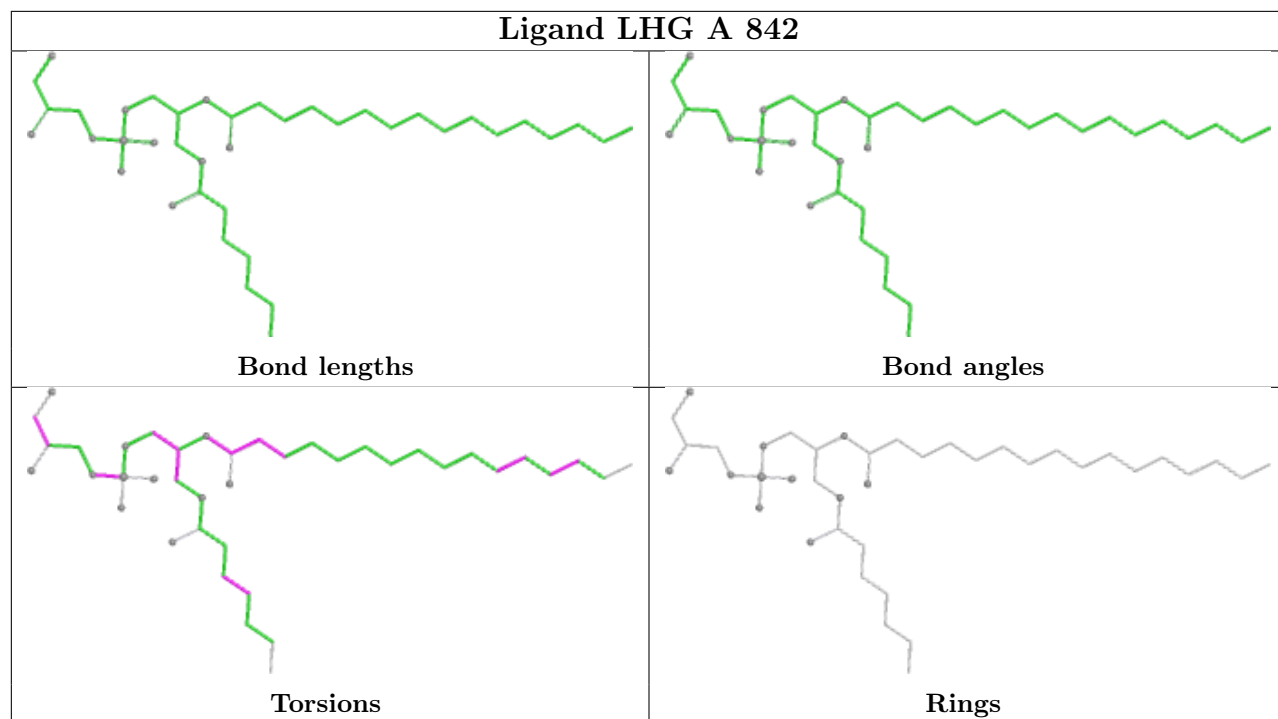
Rings

Ligand CLA 7 311

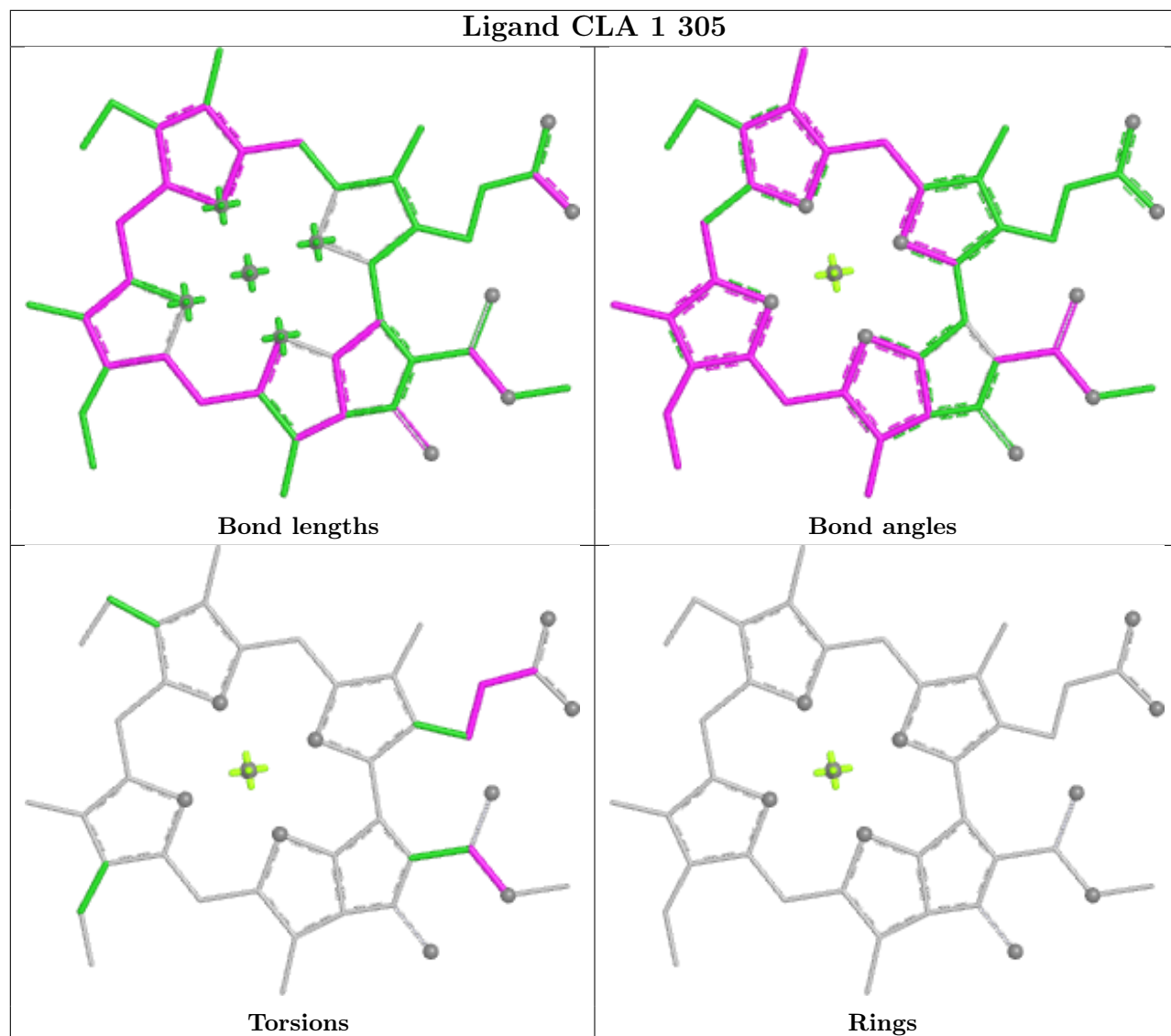


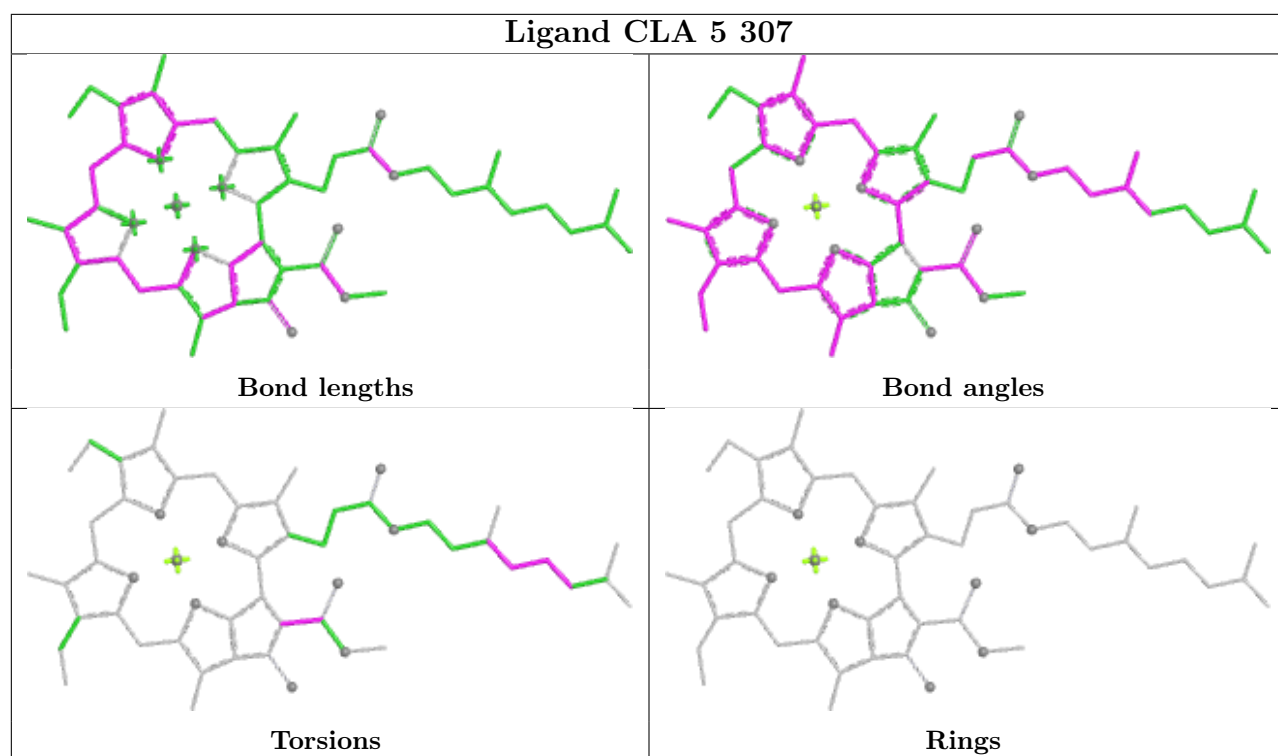
Ligand 5X6 1 314



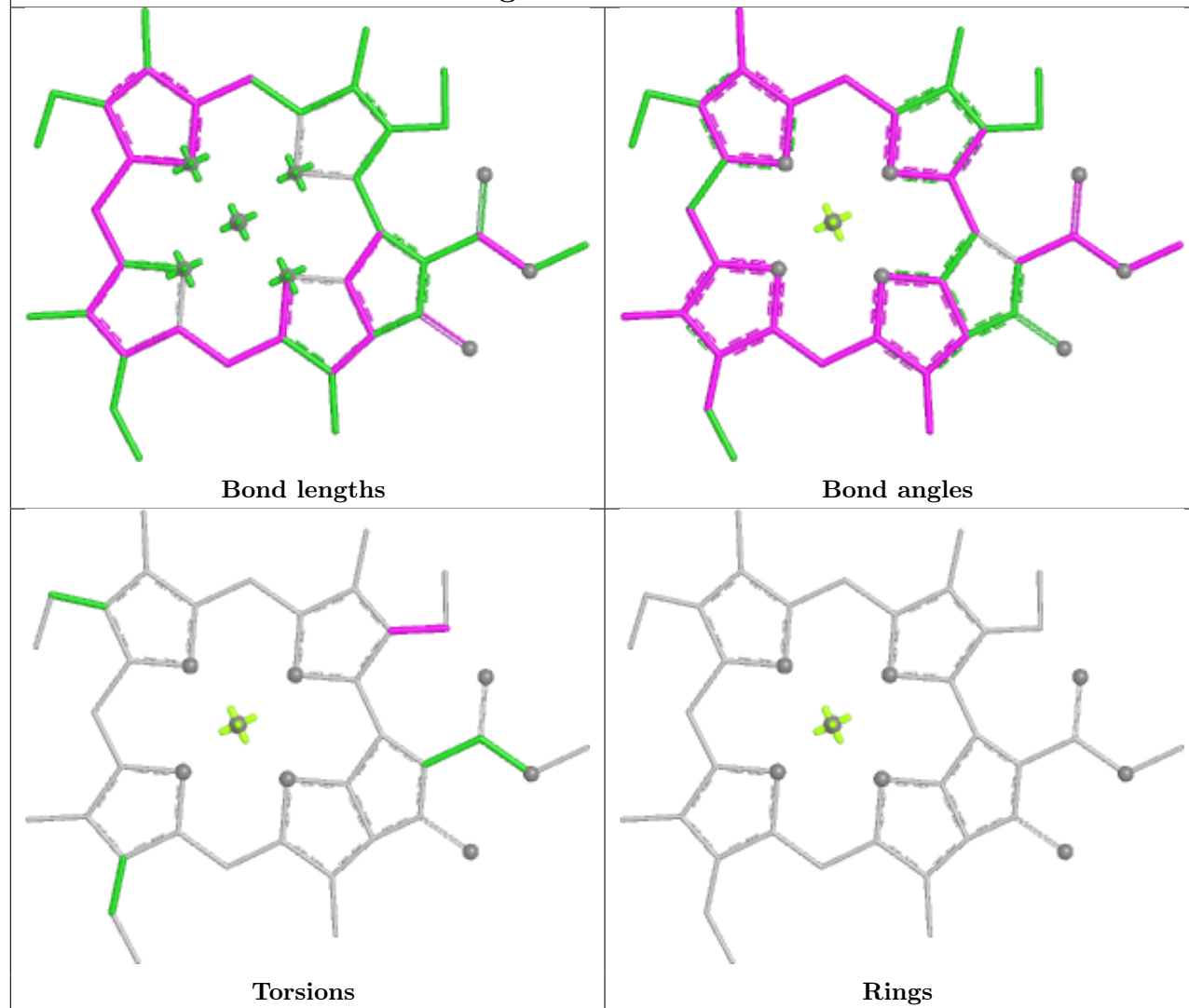


Ligand CLA 1 305

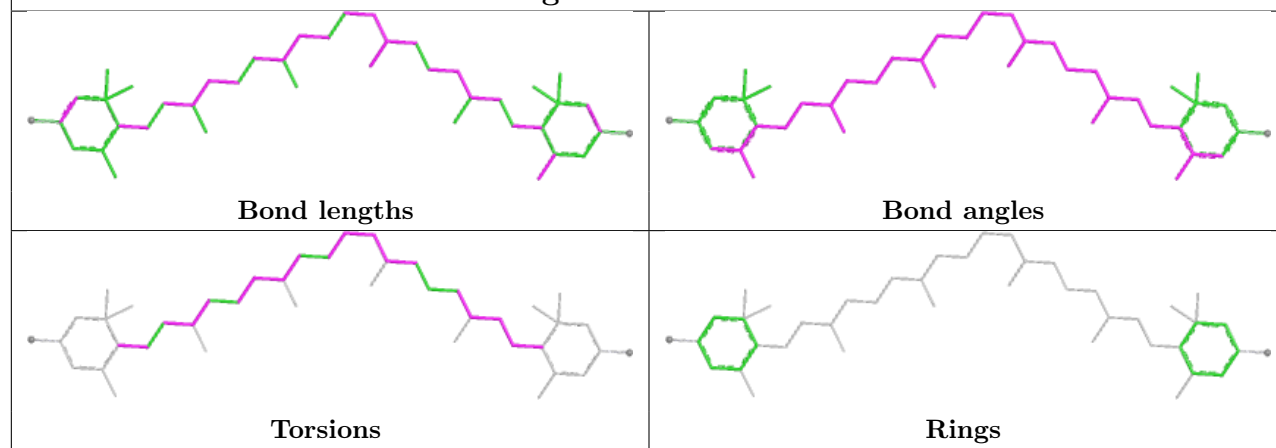




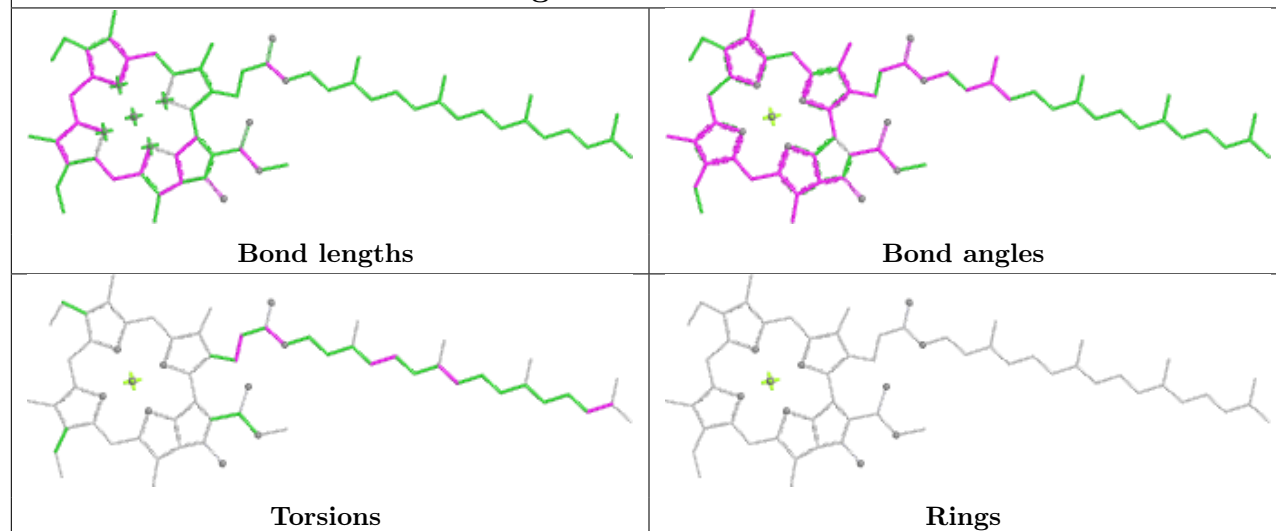
Ligand CLA J 102



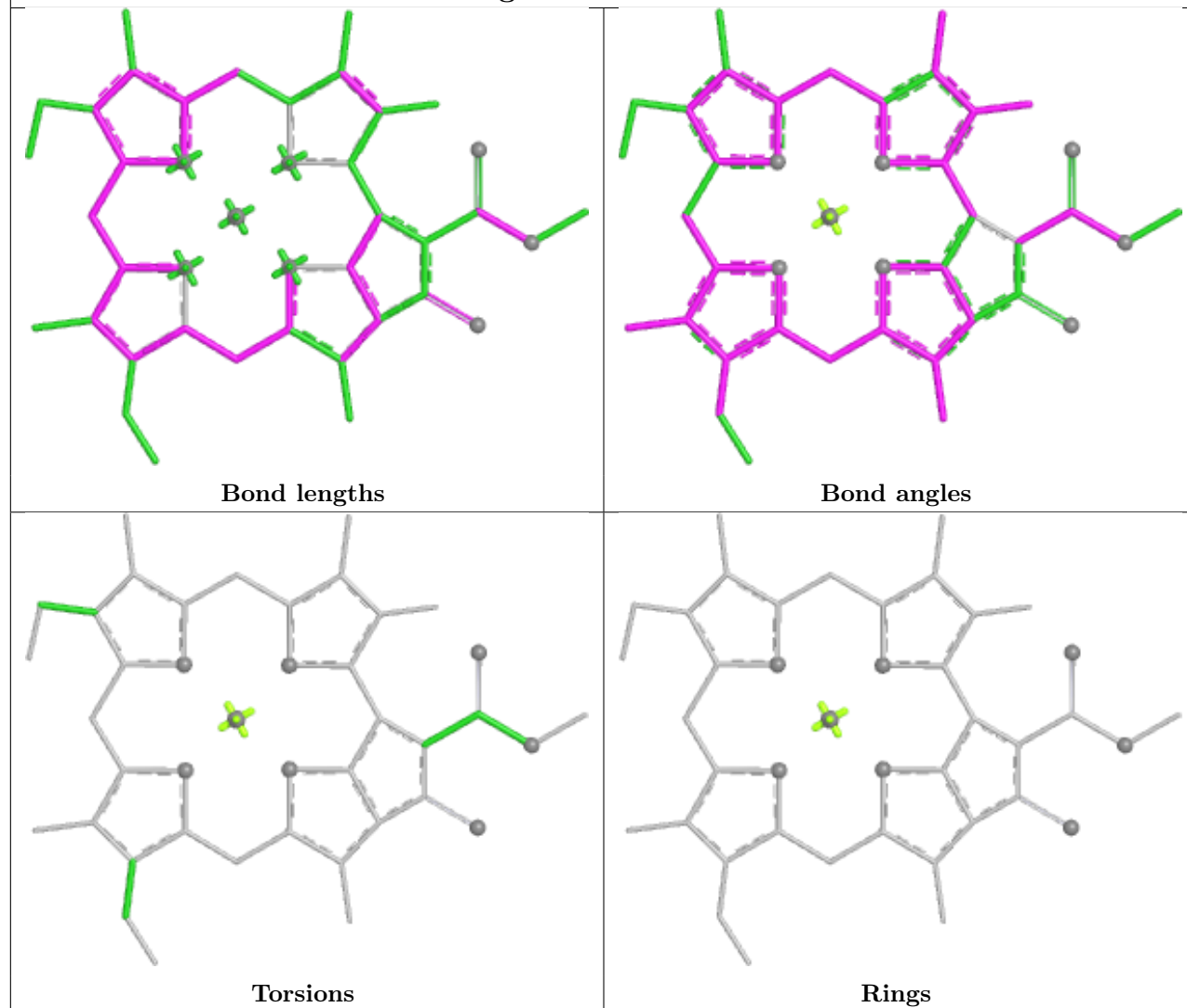
Ligand 5X6 5 314



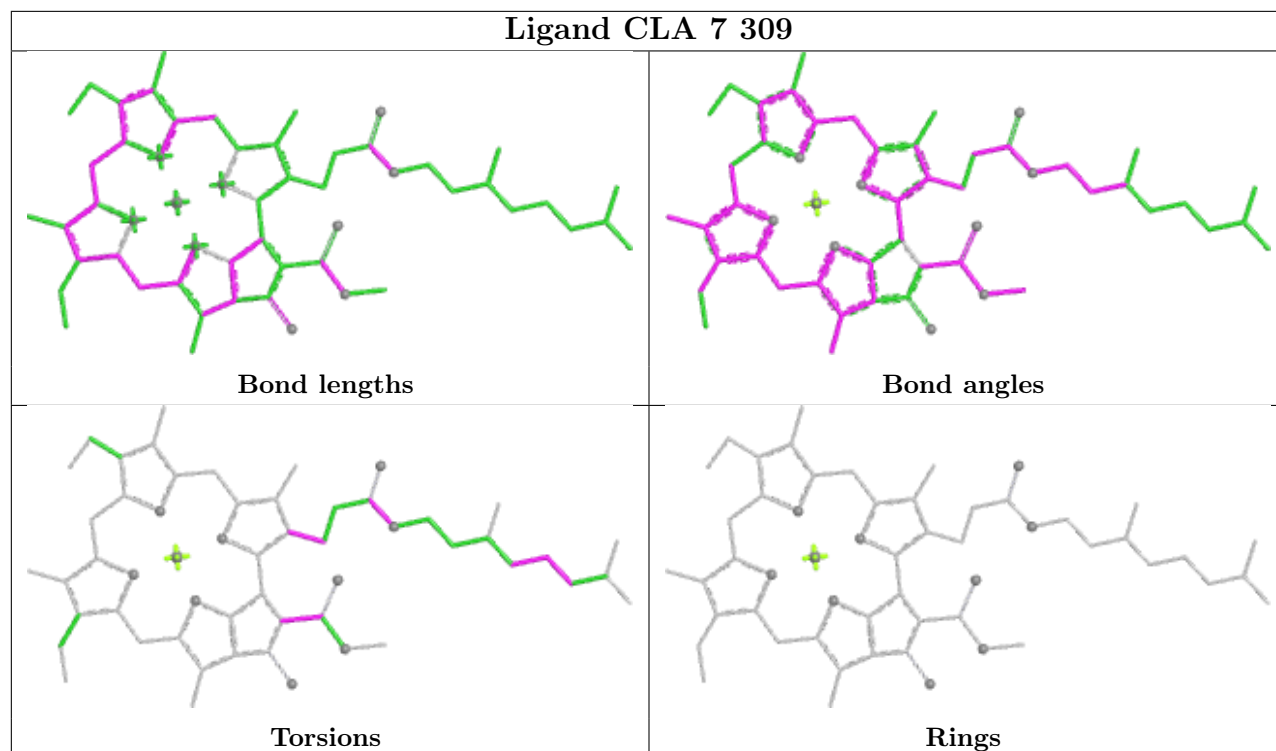
Ligand CLA A 838



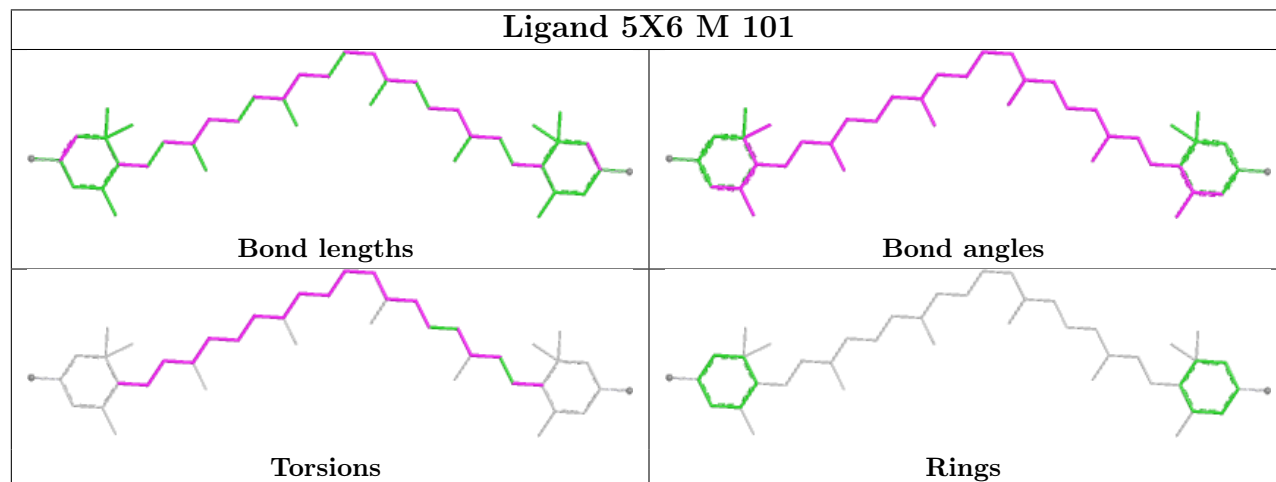
Ligand CLA 5 308

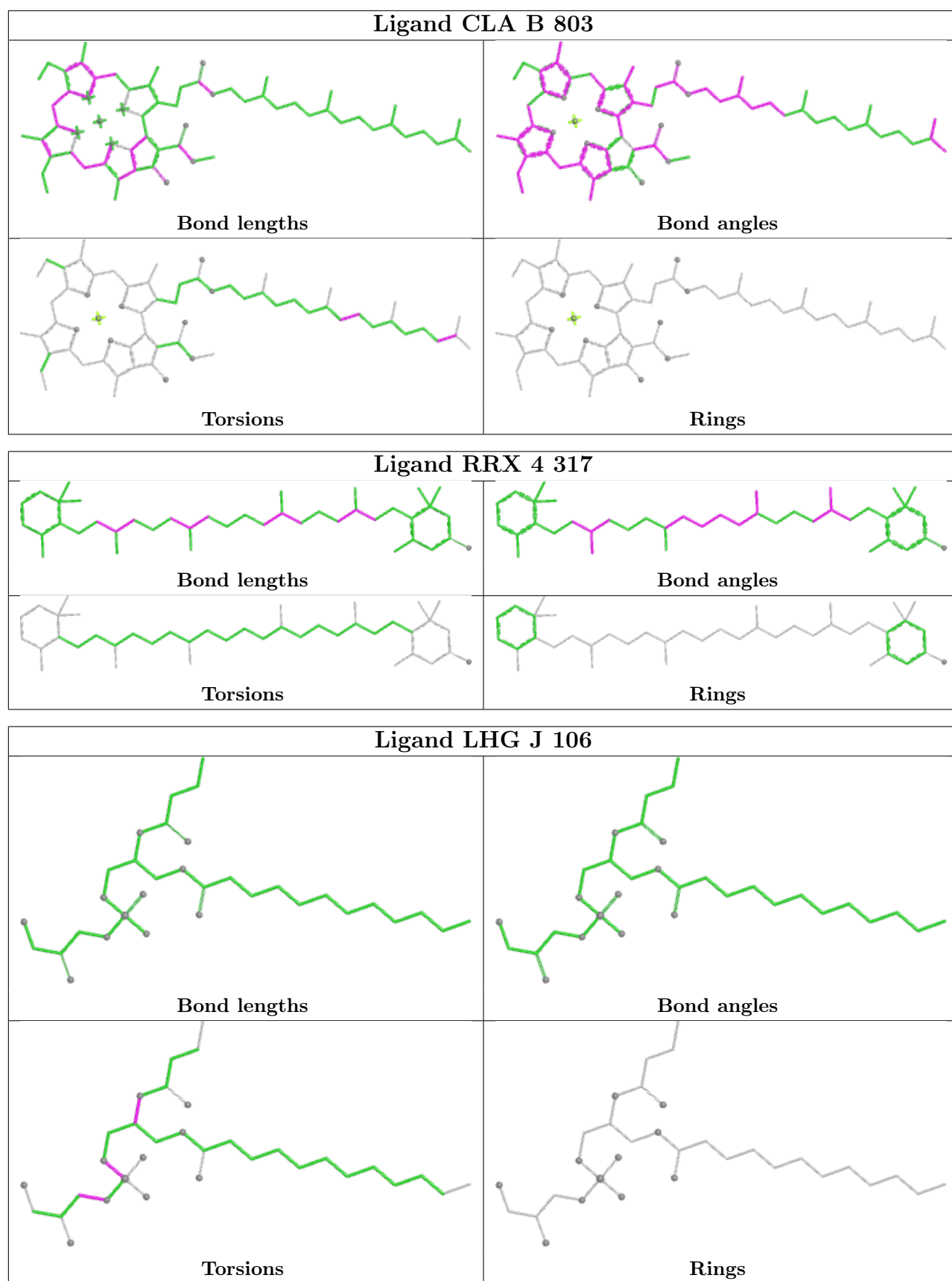


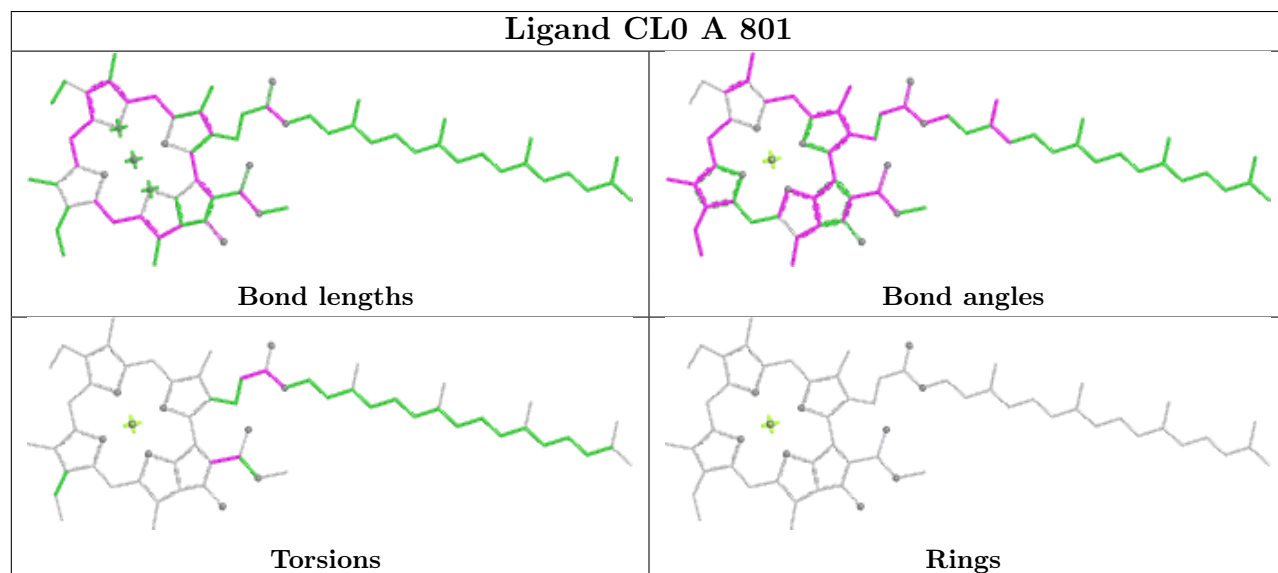
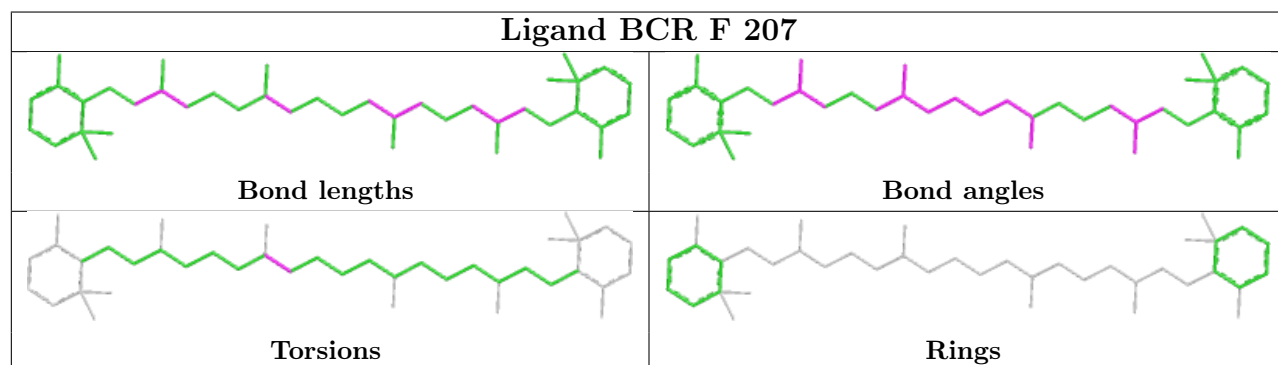
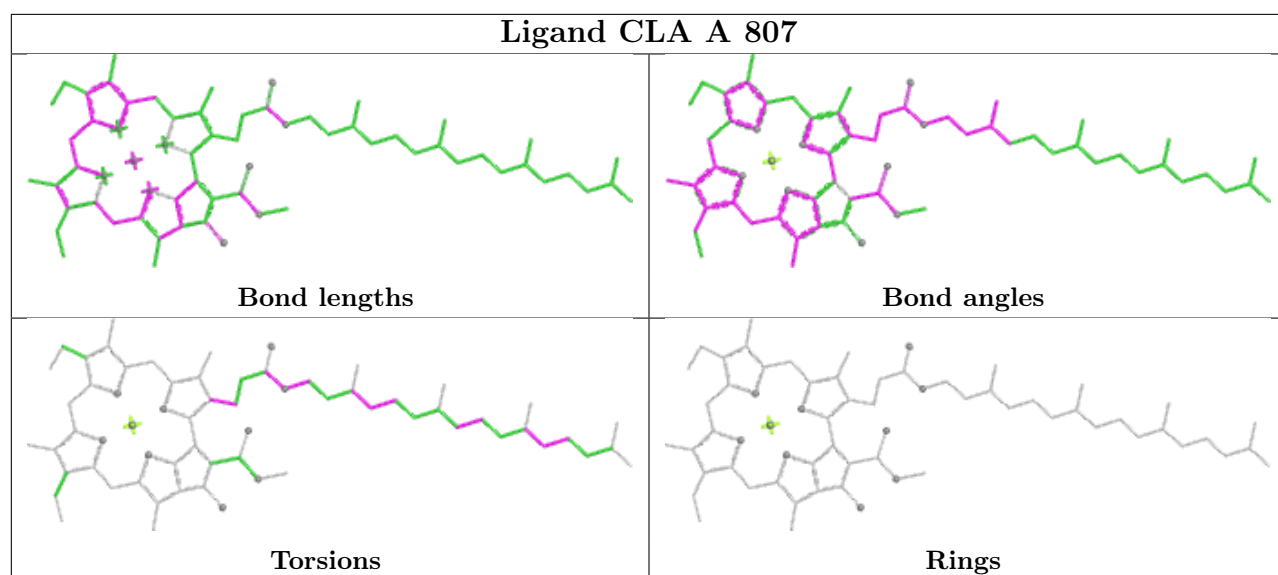
Ligand CLA 7 309

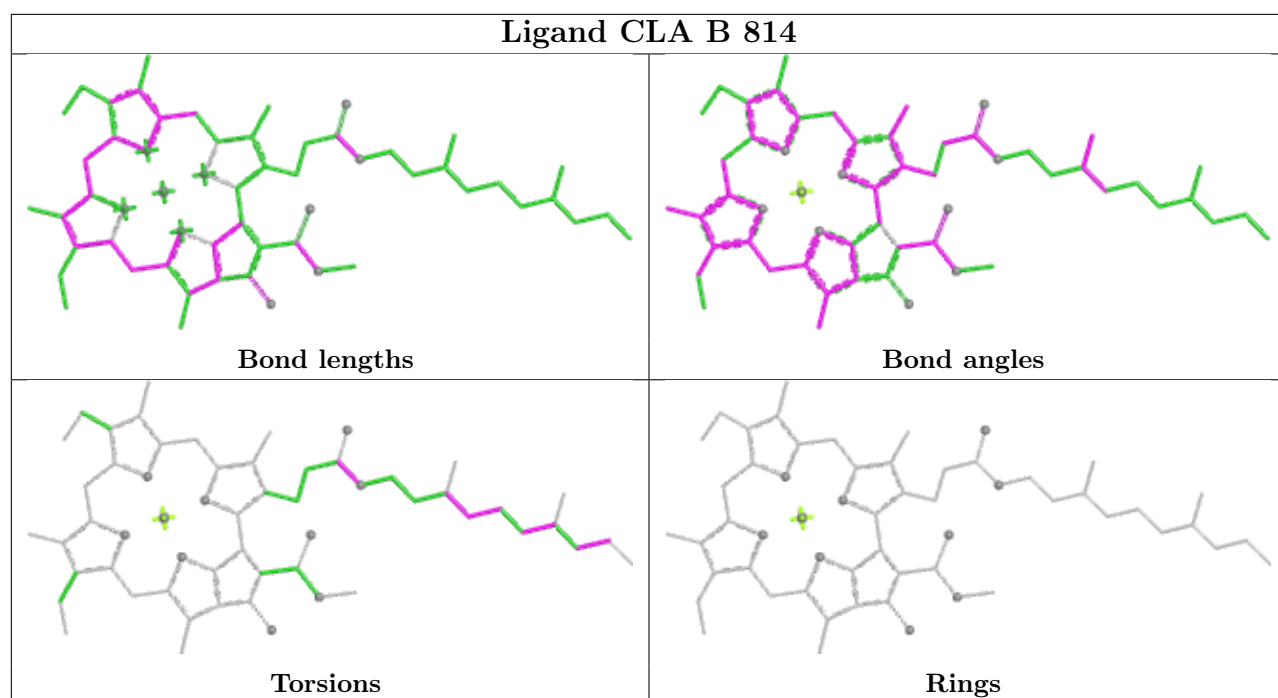


Ligand 5X6 M 101

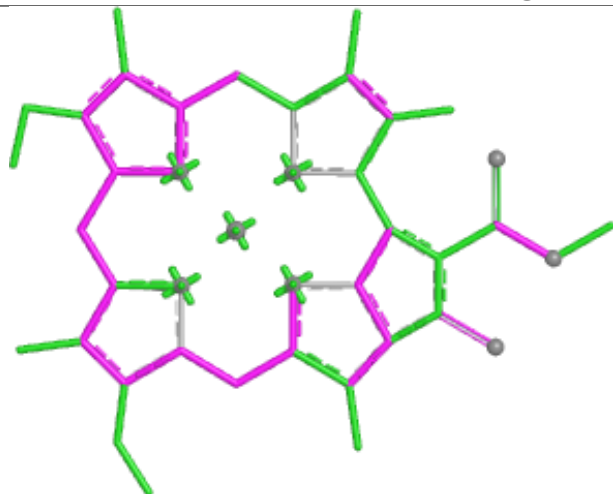




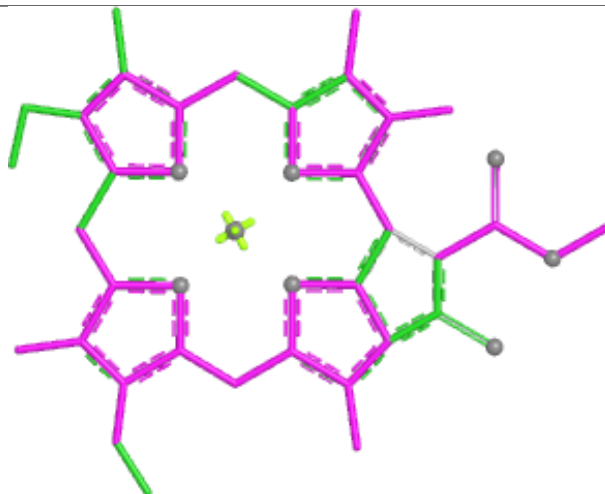




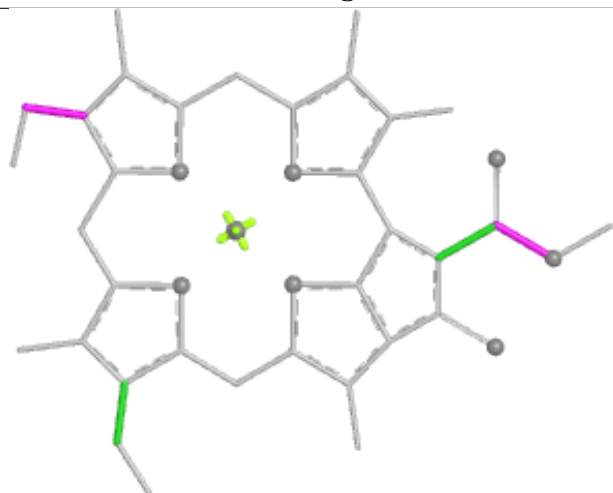
Ligand CLA 2 309



Bond lengths



Bond angles

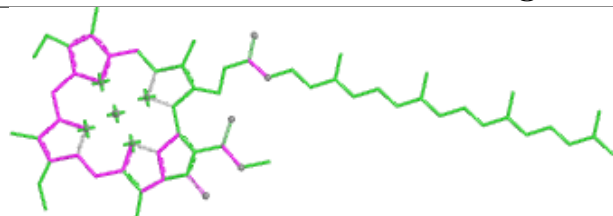


Torsions

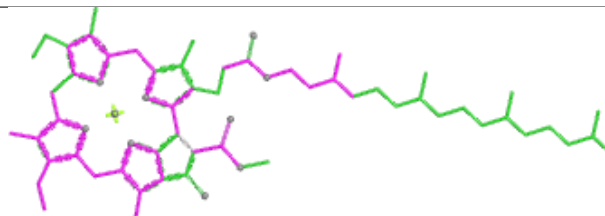


Rings

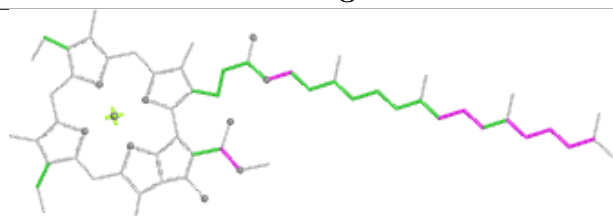
Ligand CLA 1 302



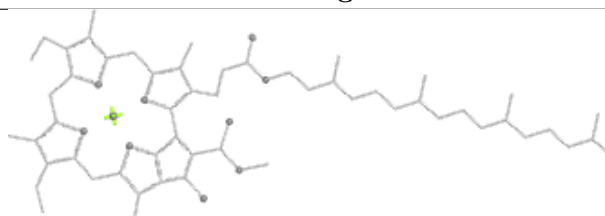
Bond lengths



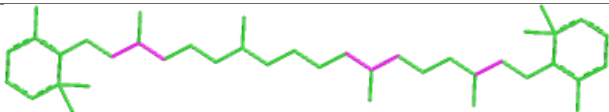
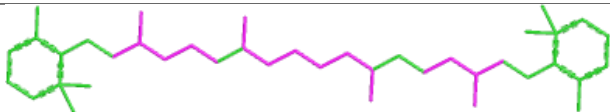
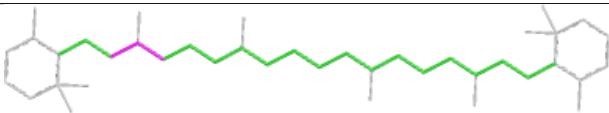
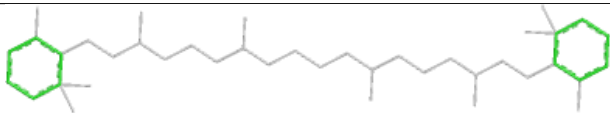
Bond angles

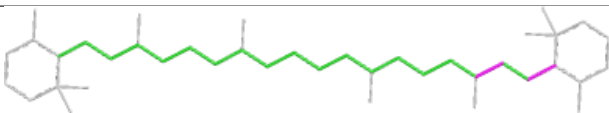
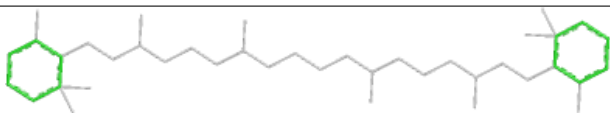


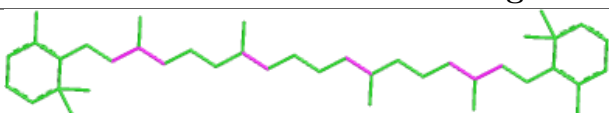
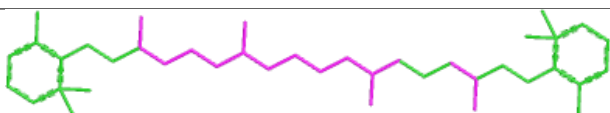
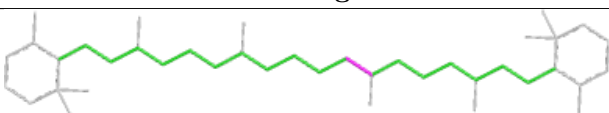
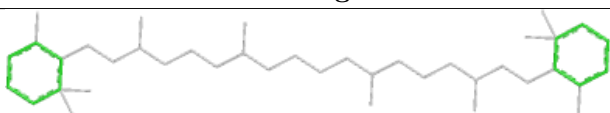
Torsions



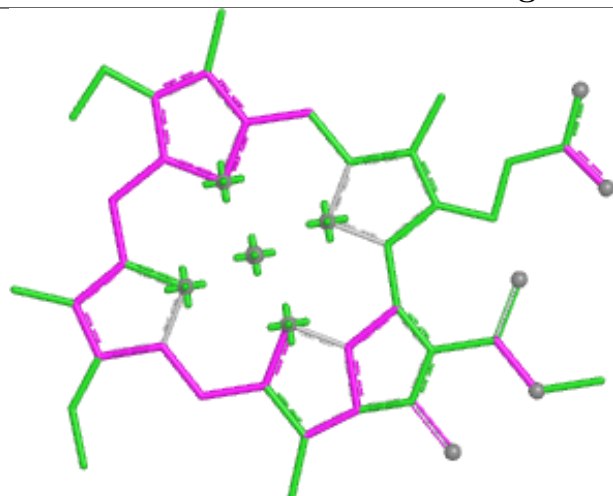
Rings

Ligand BCR B 844	
	
Bond lengths	Bond angles
	
Torsions	Rings

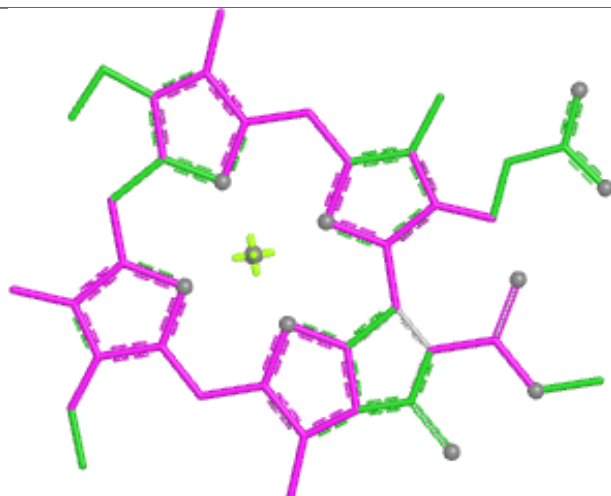
Ligand BCR 1 301	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR K 103	
	
Bond lengths	Bond angles
	
Torsions	Rings

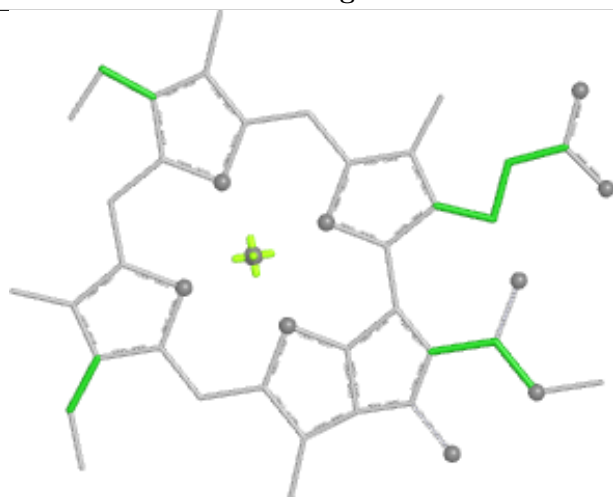
Ligand CLA 4 311



Bond lengths



Bond angles

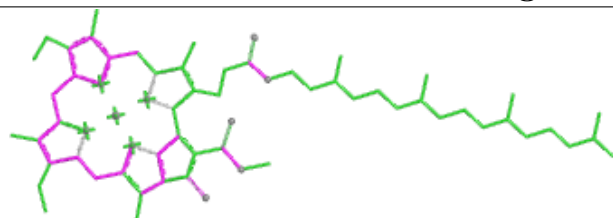


Torsions

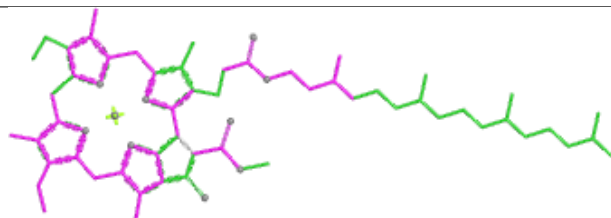


Rings

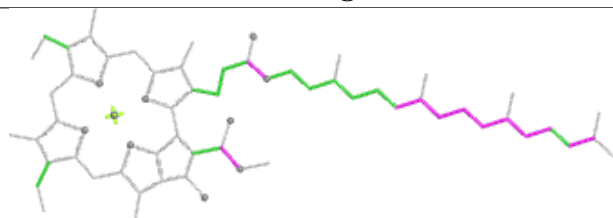
Ligand CLA 4 304



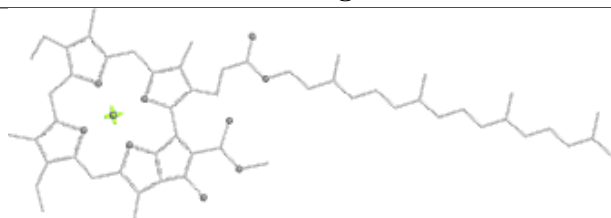
Bond lengths



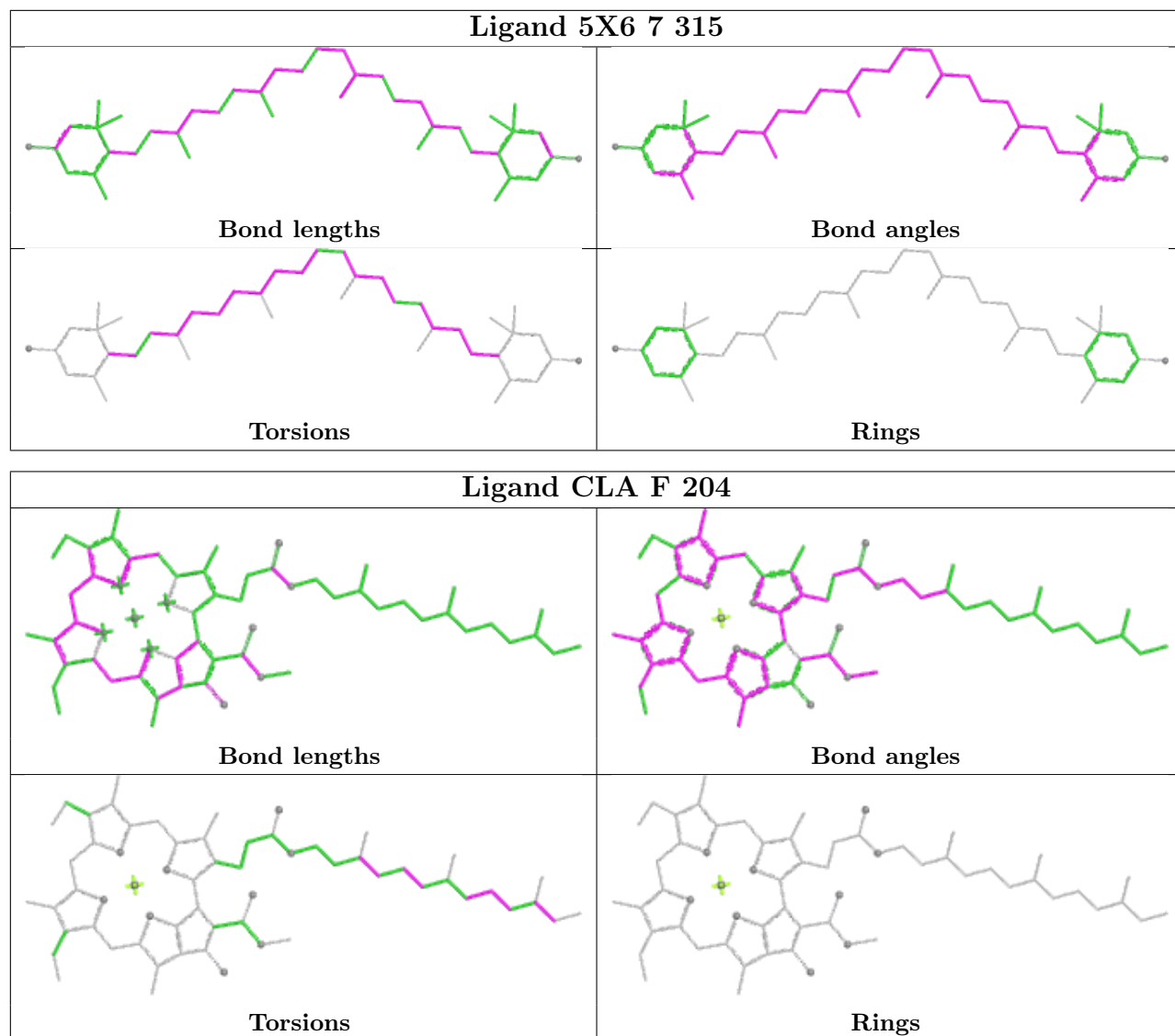
Bond angles



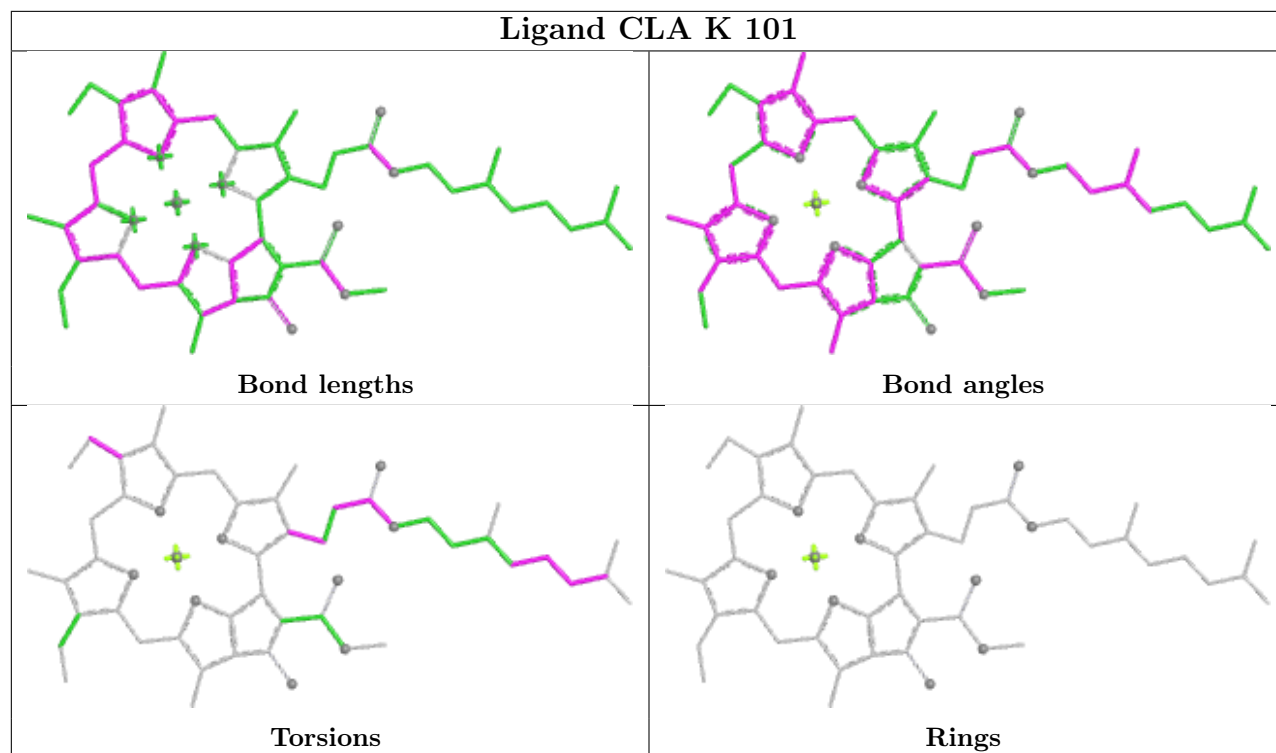
Torsions



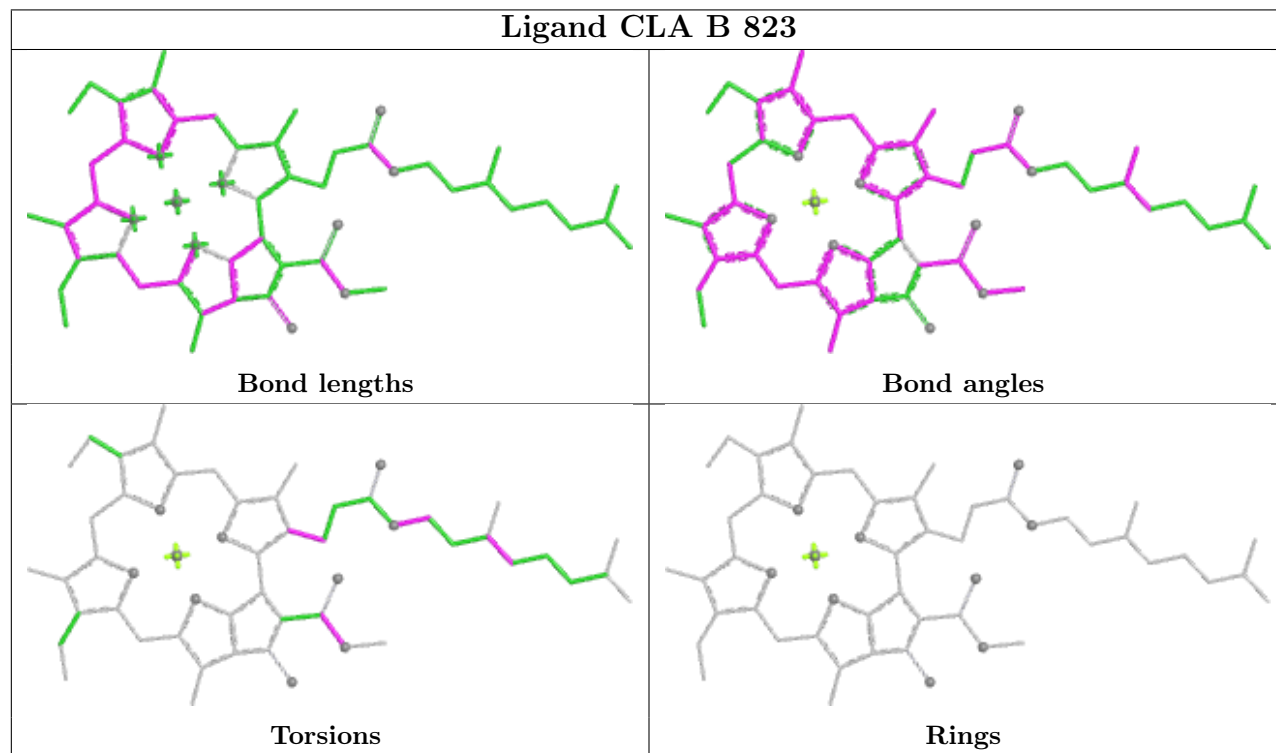
Rings

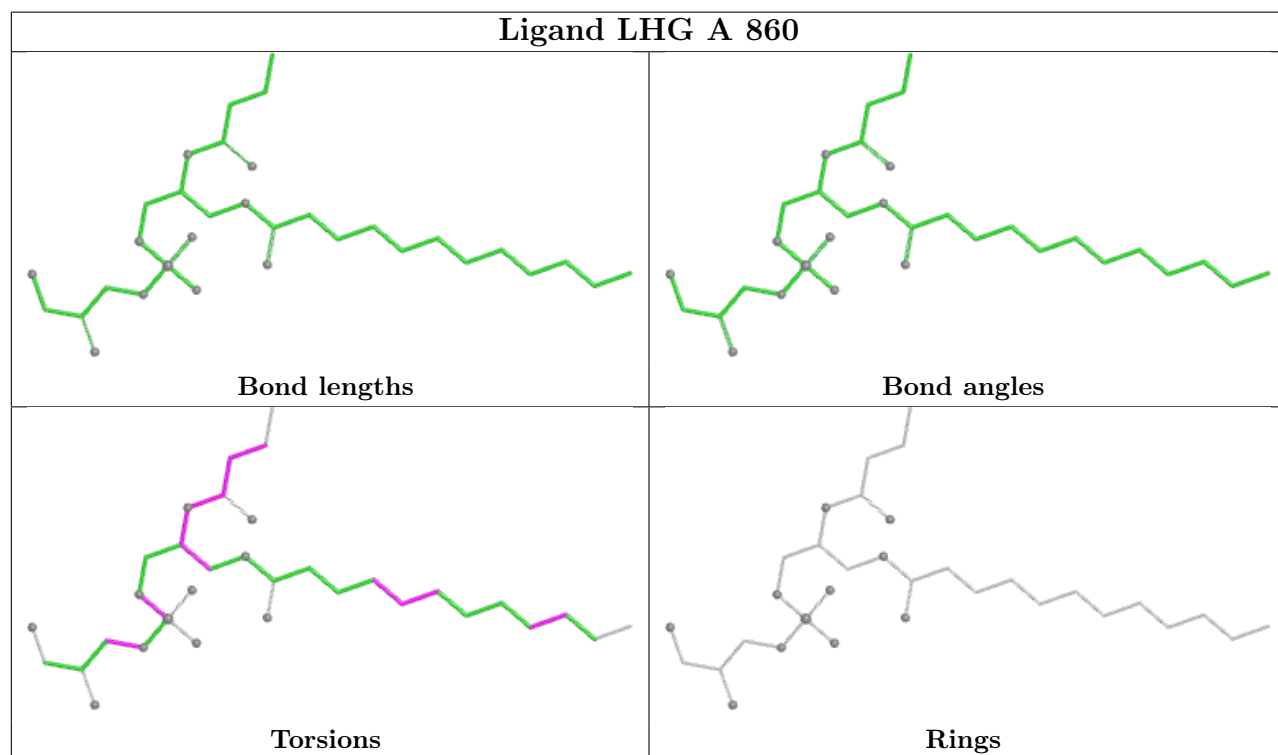
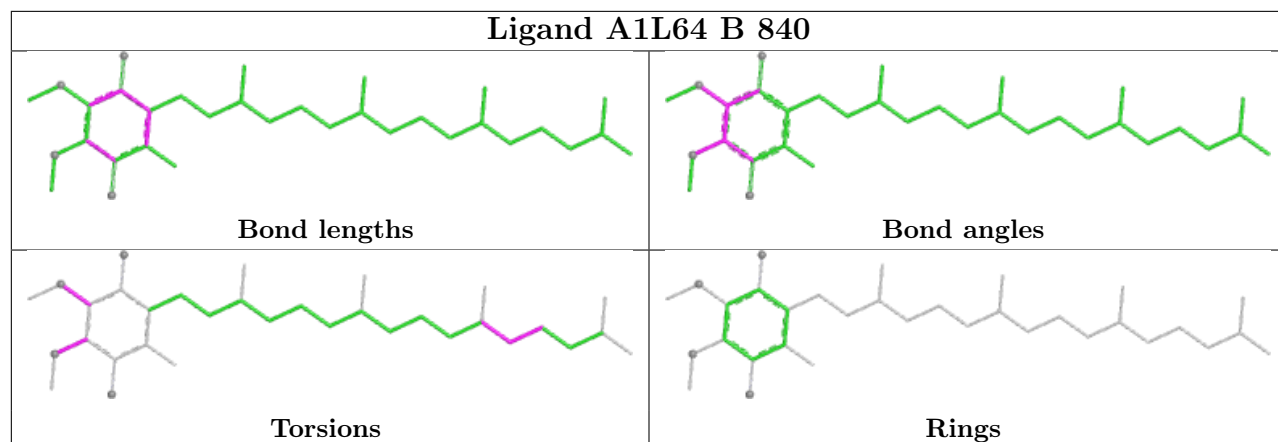


Ligand CLA K 101

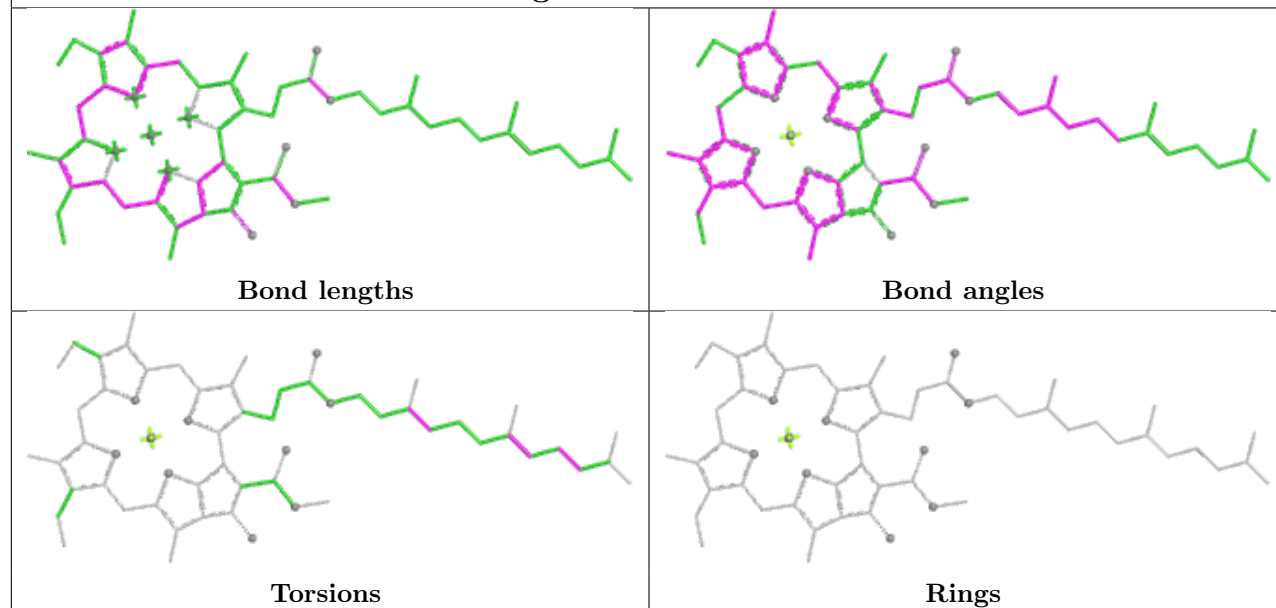


Ligand CLA B 823

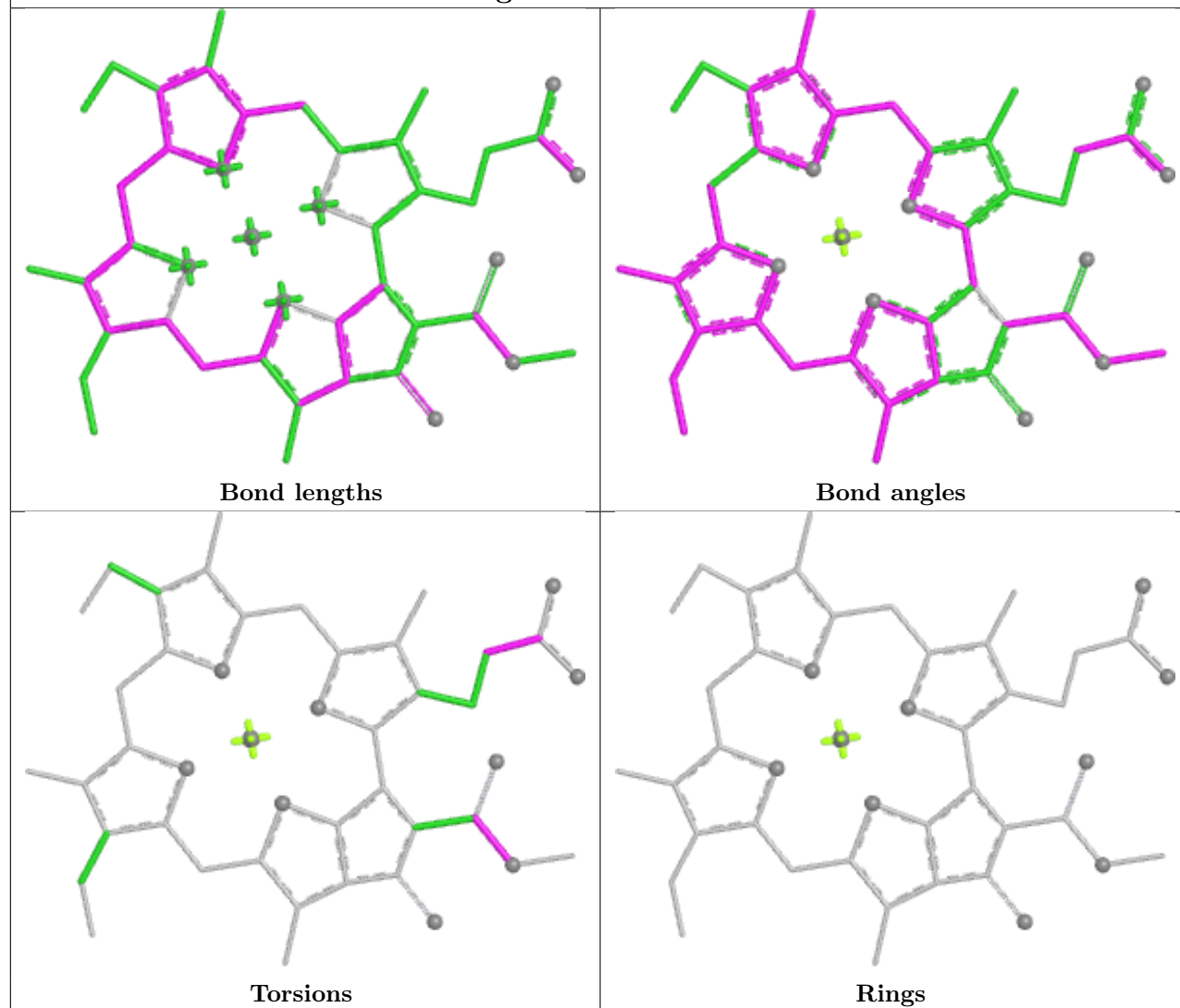


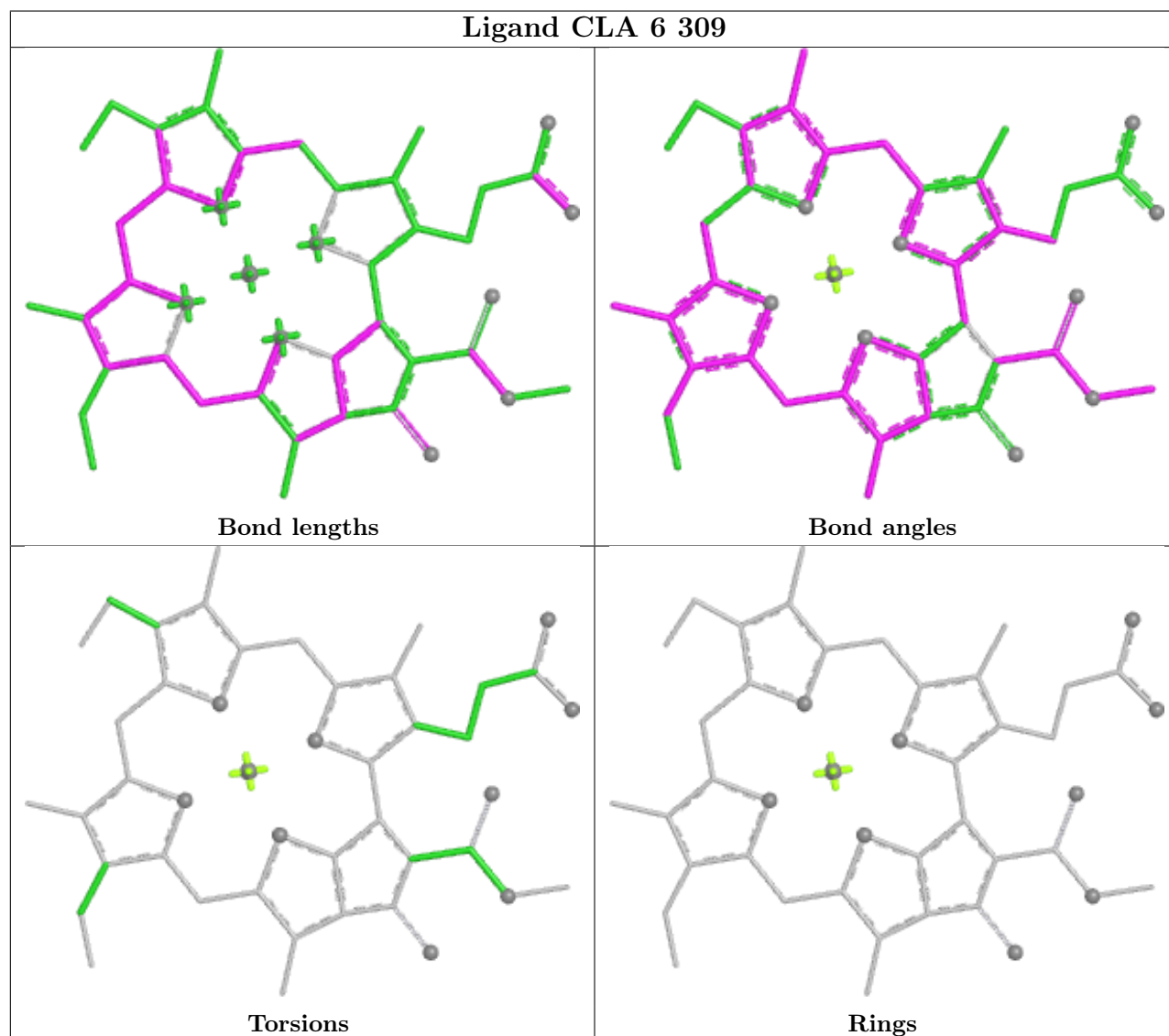
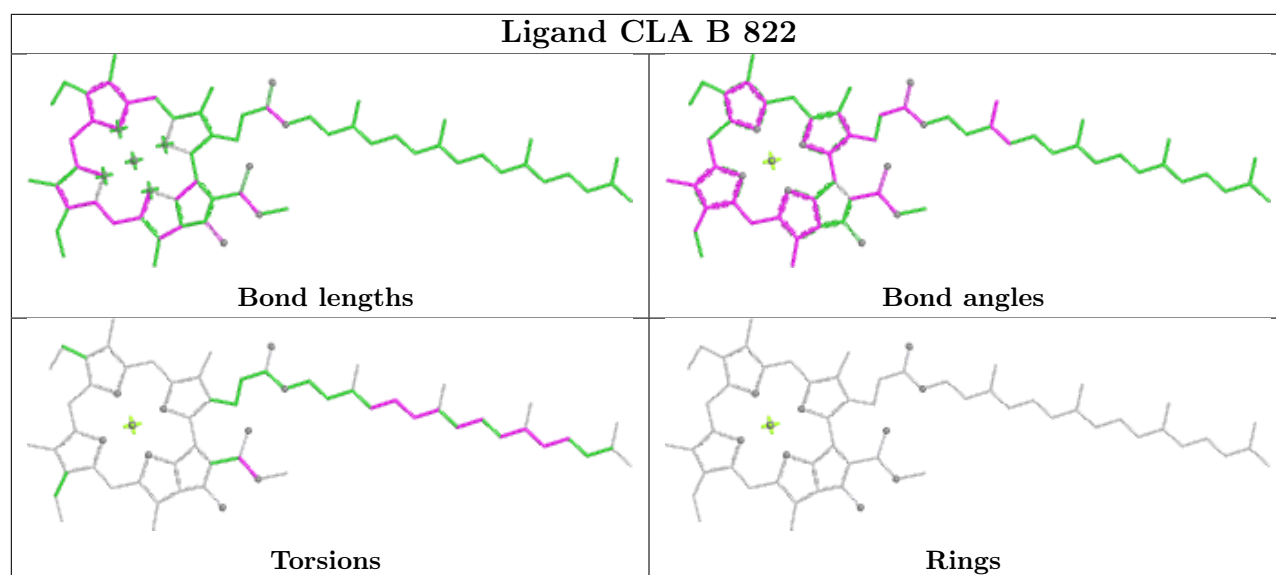


Ligand CLA B 818

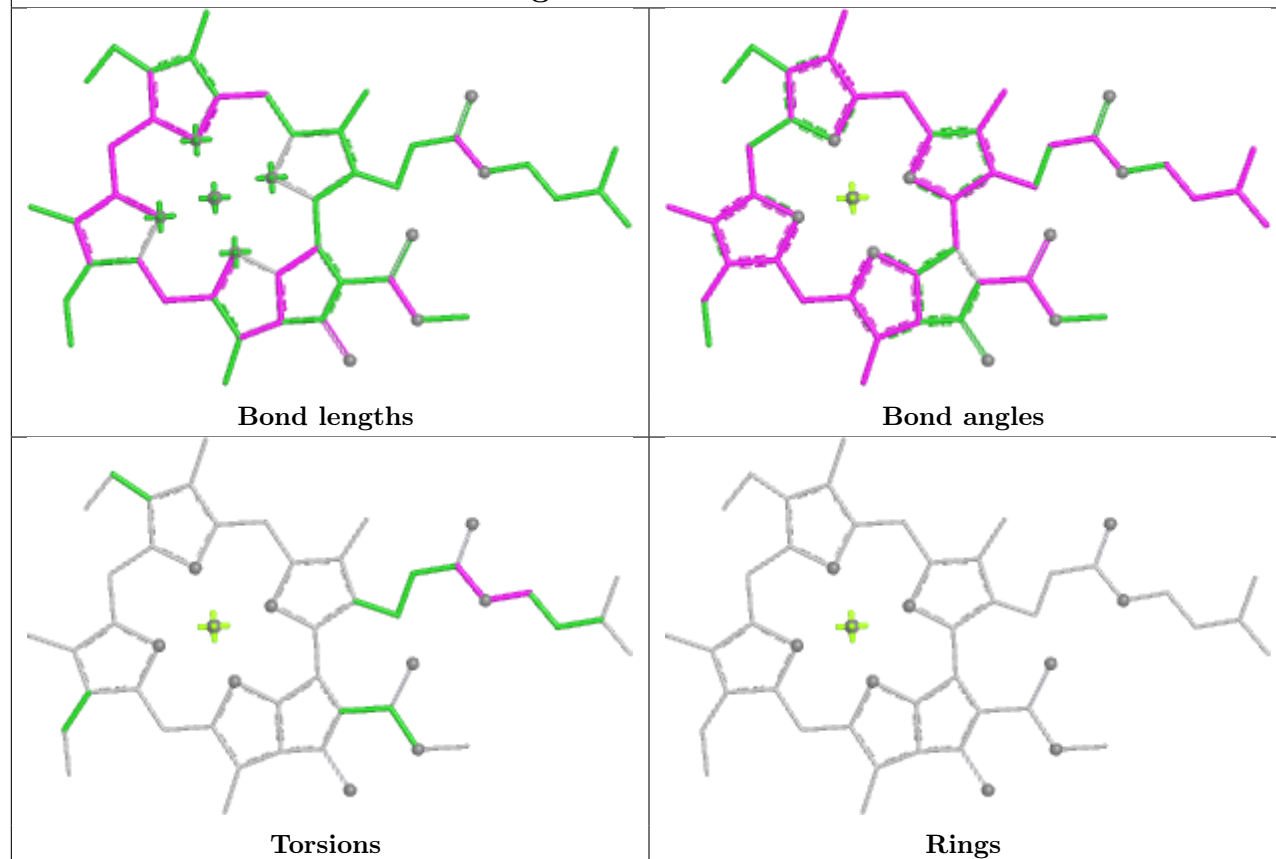


Ligand CLA 7 305

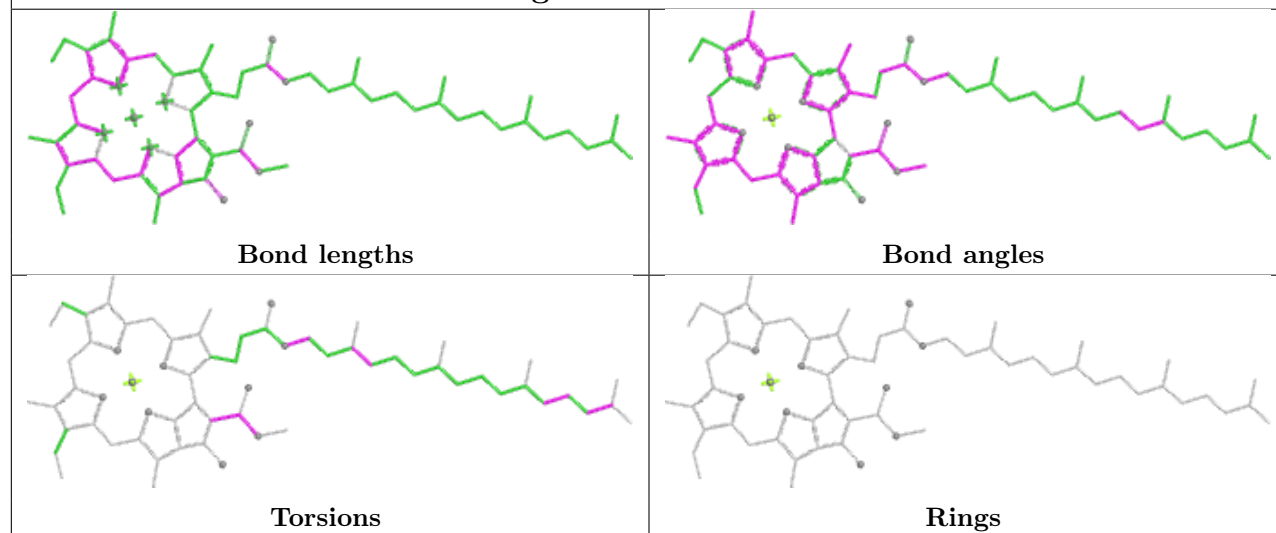




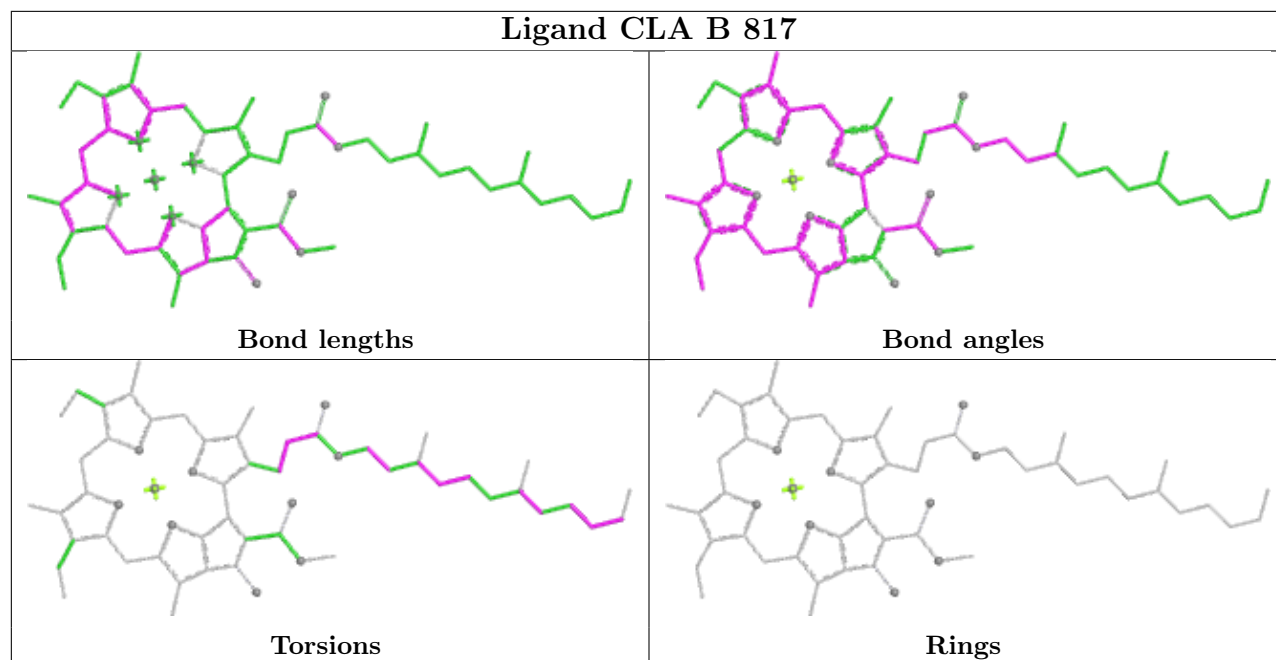
Ligand CLA A 829



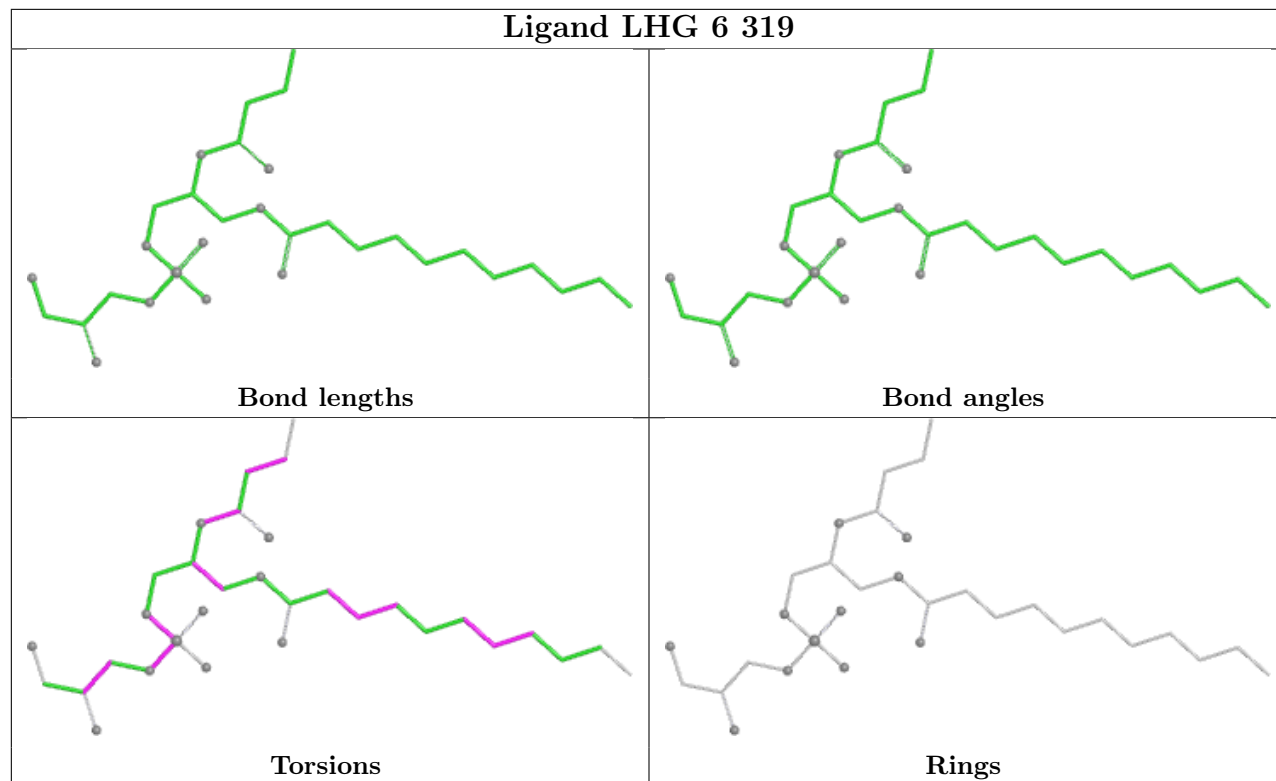
Ligand CLA A 832

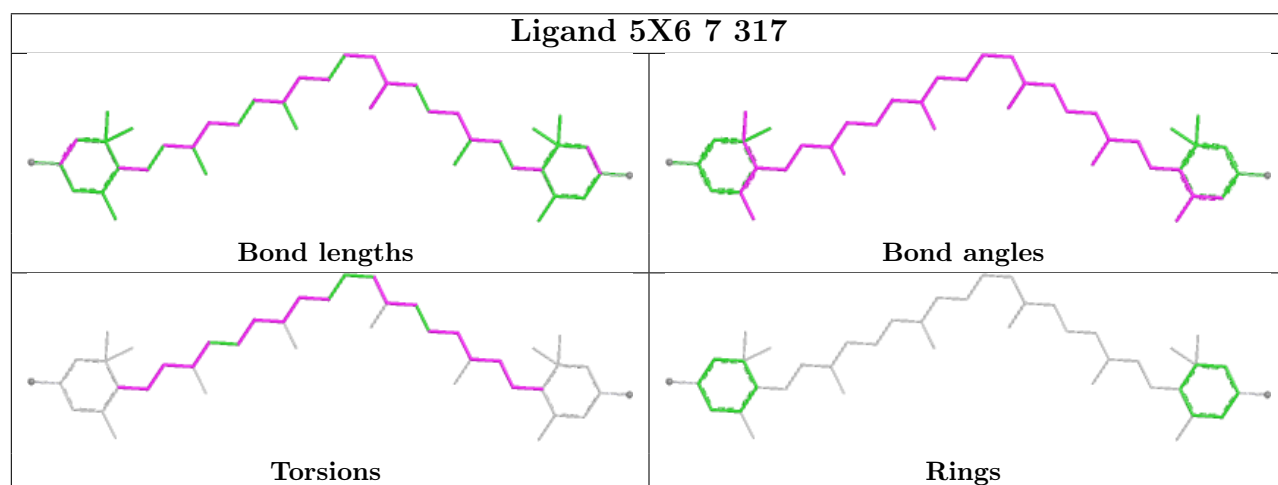
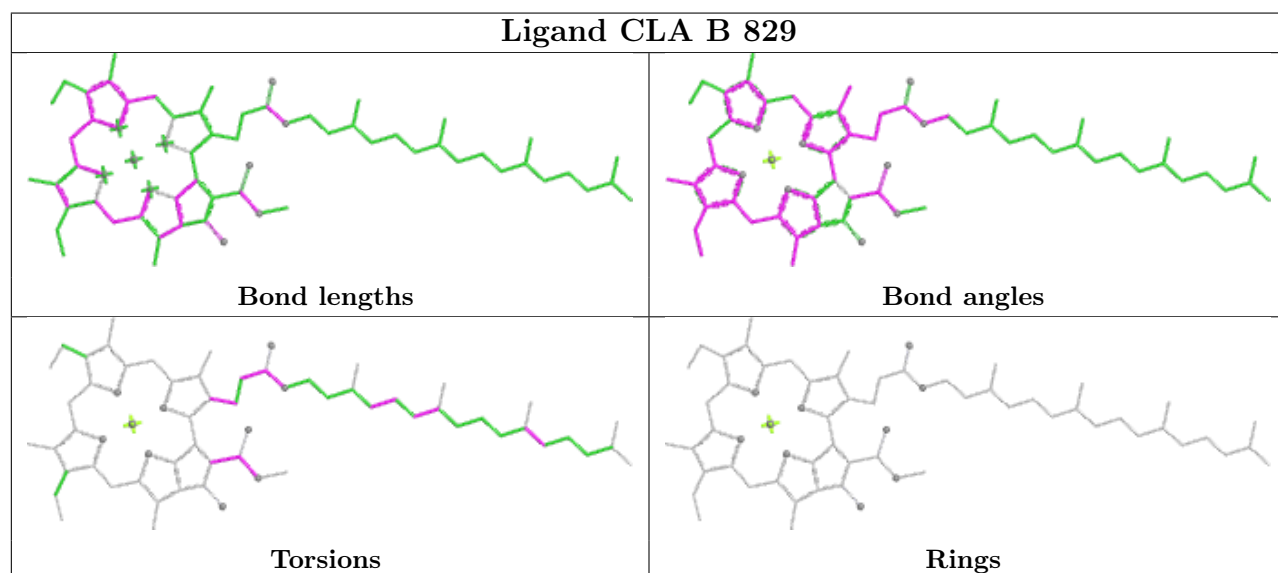
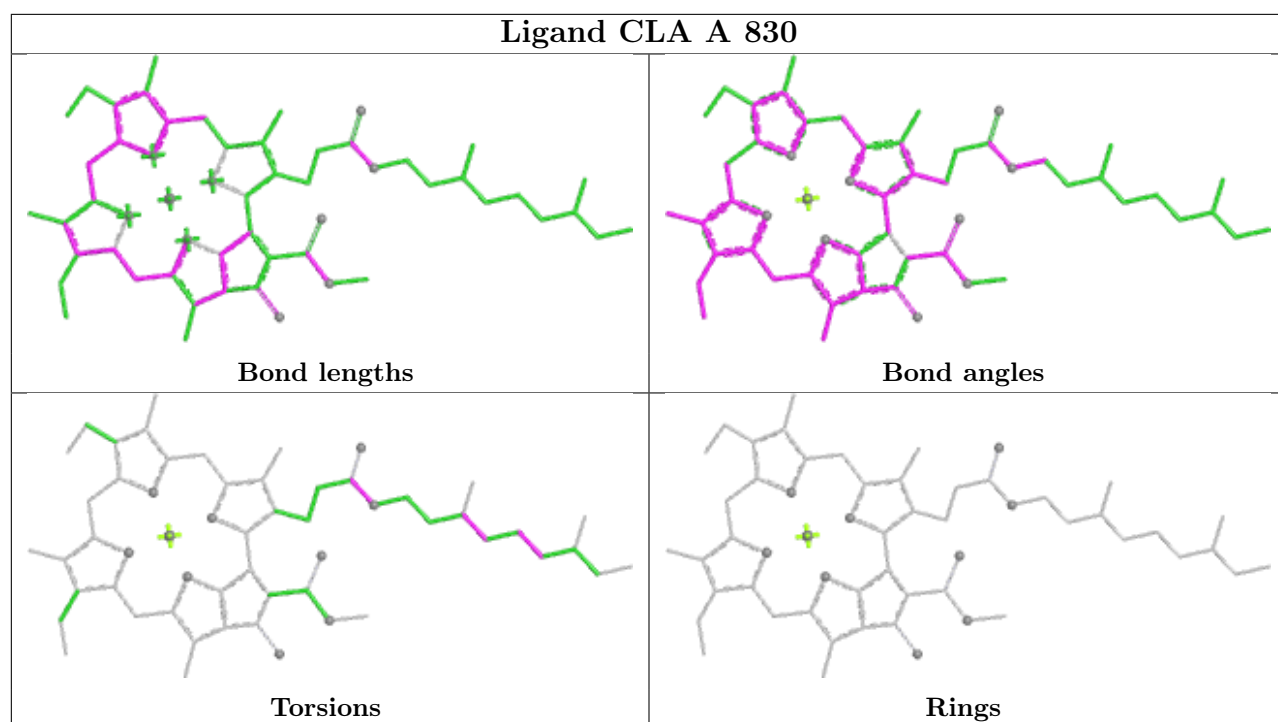


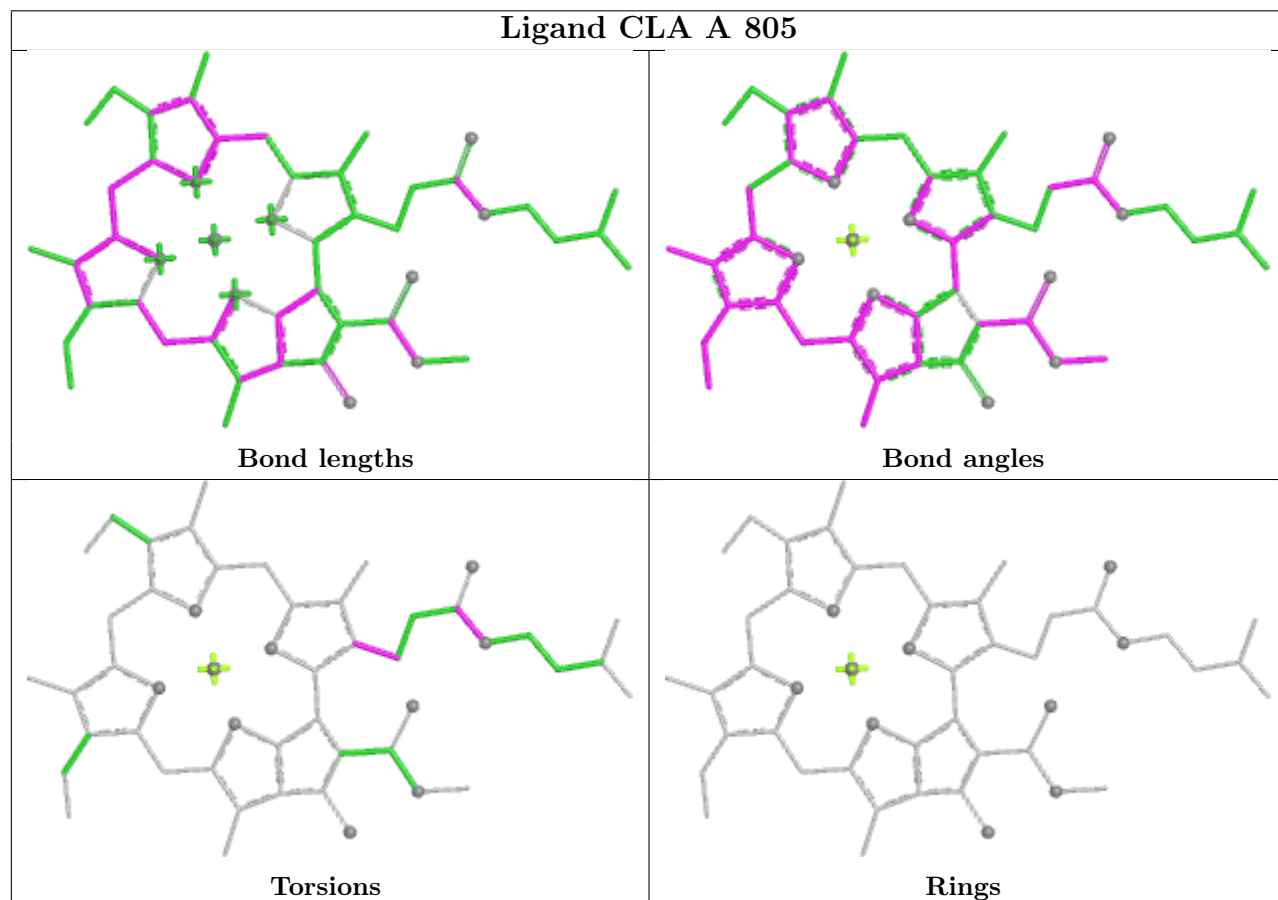
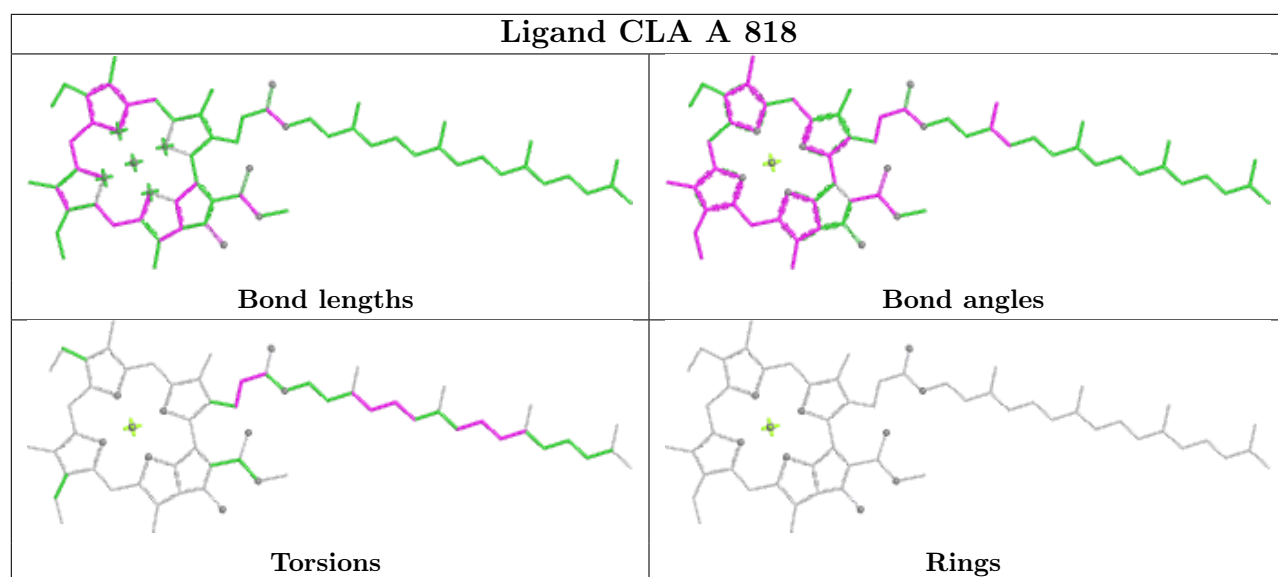
Ligand CLA B 817

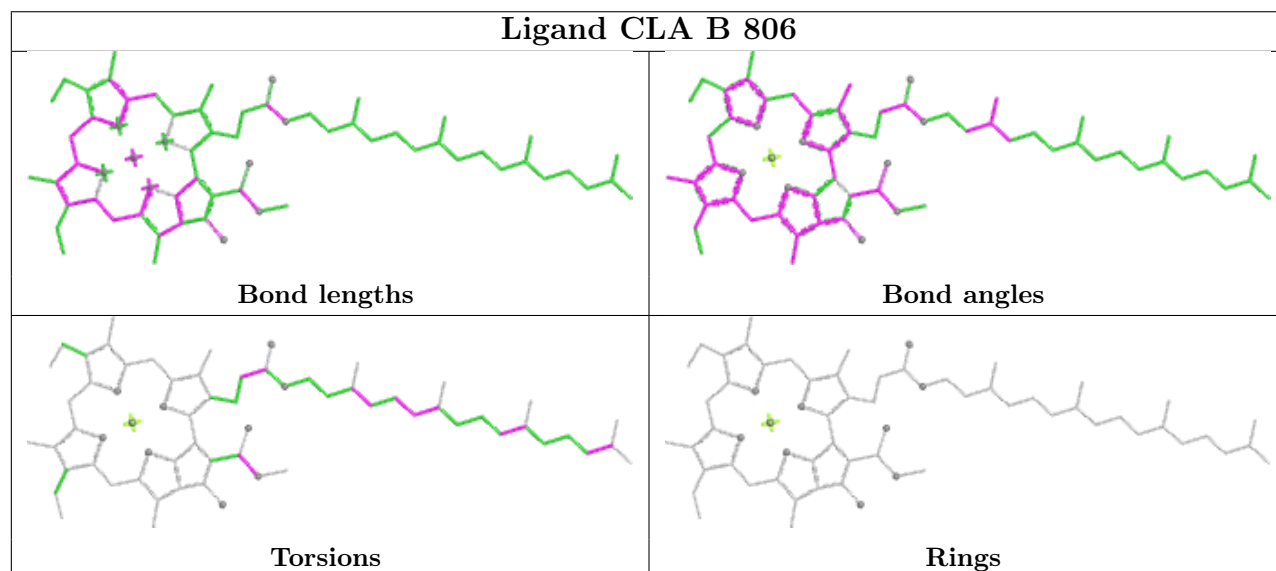
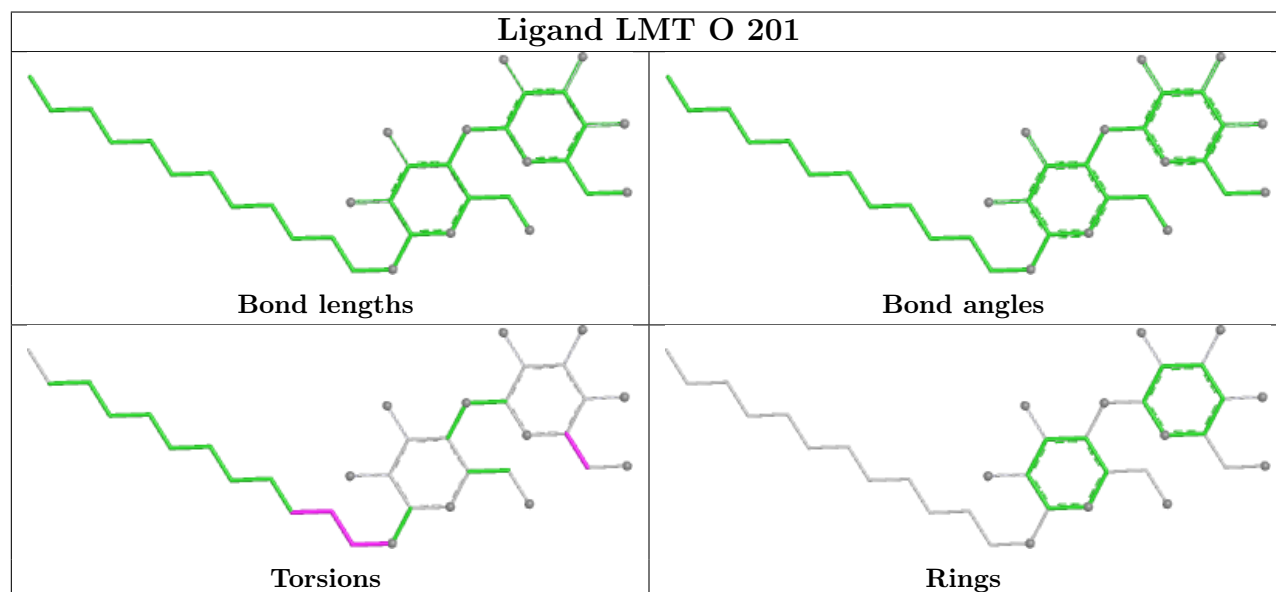
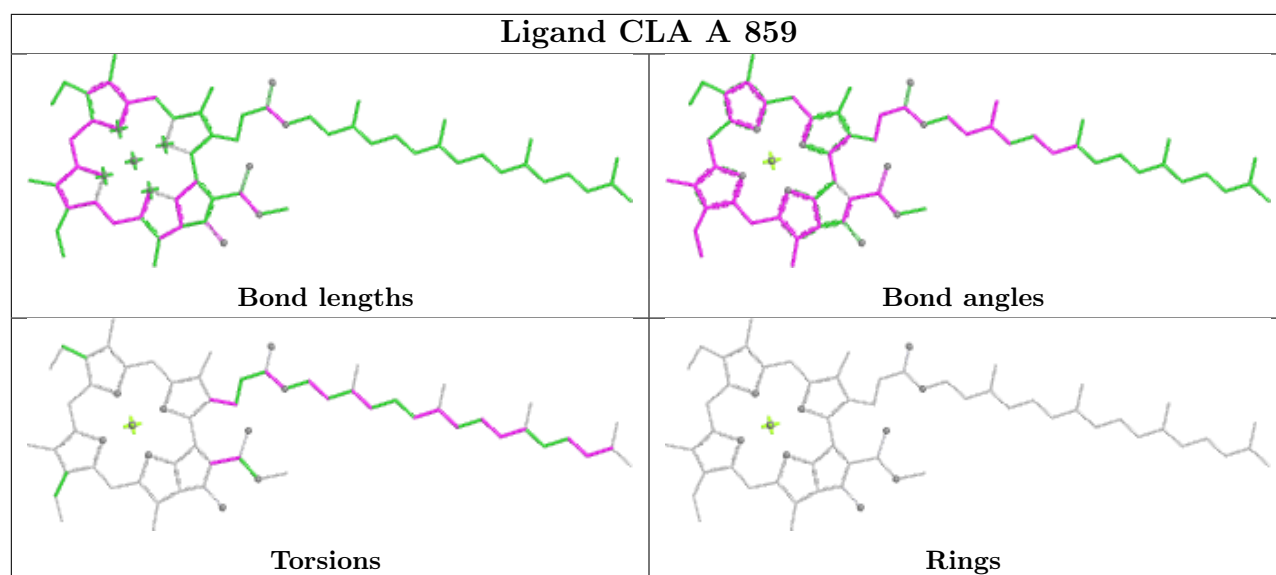


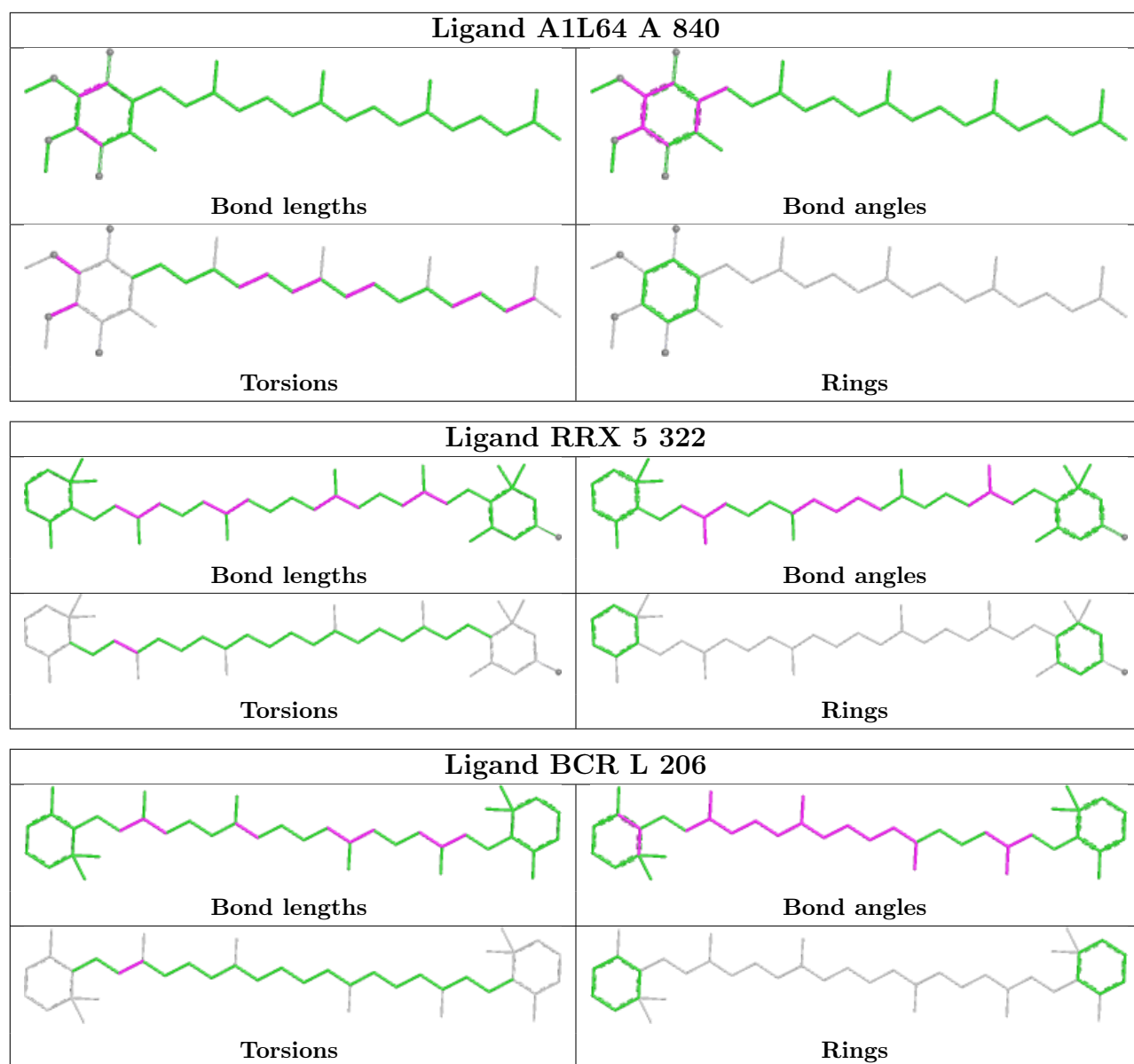
Ligand LHG 6 319



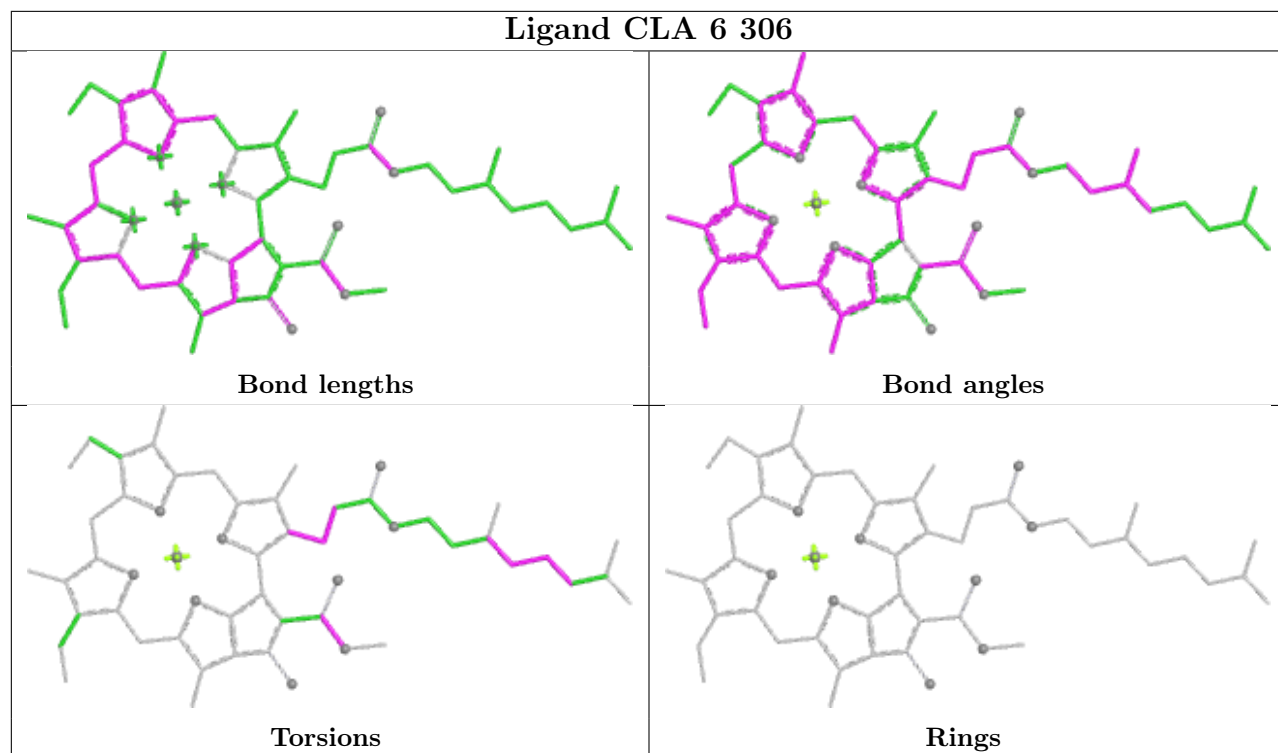




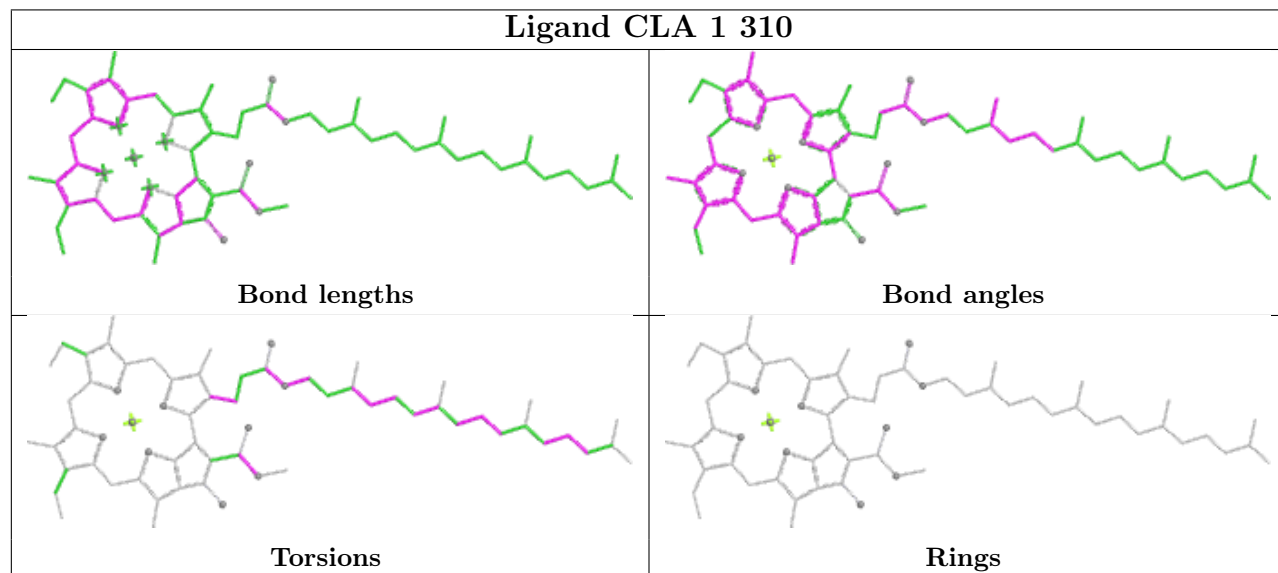




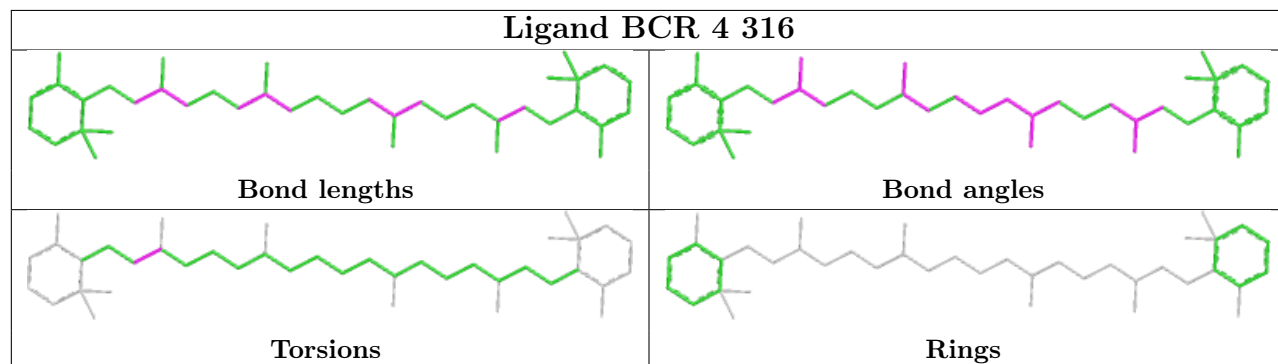
Ligand CLA 6 306

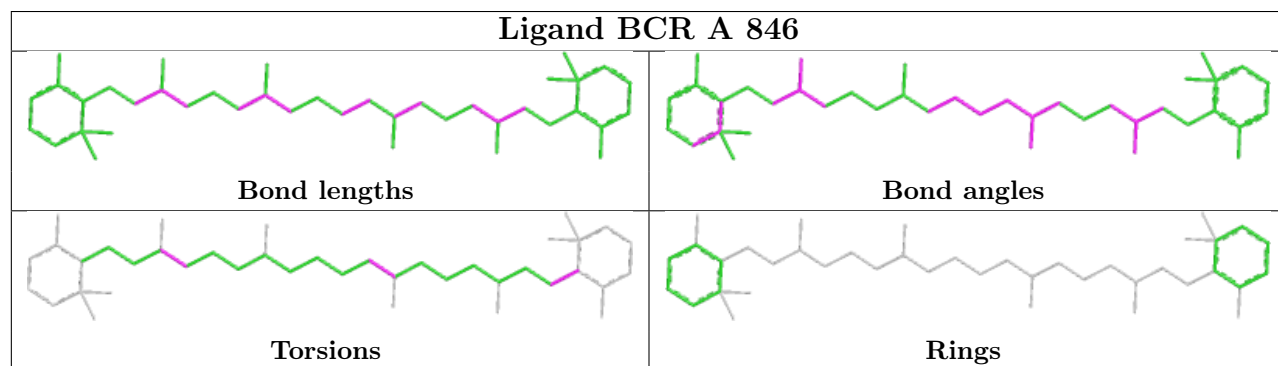
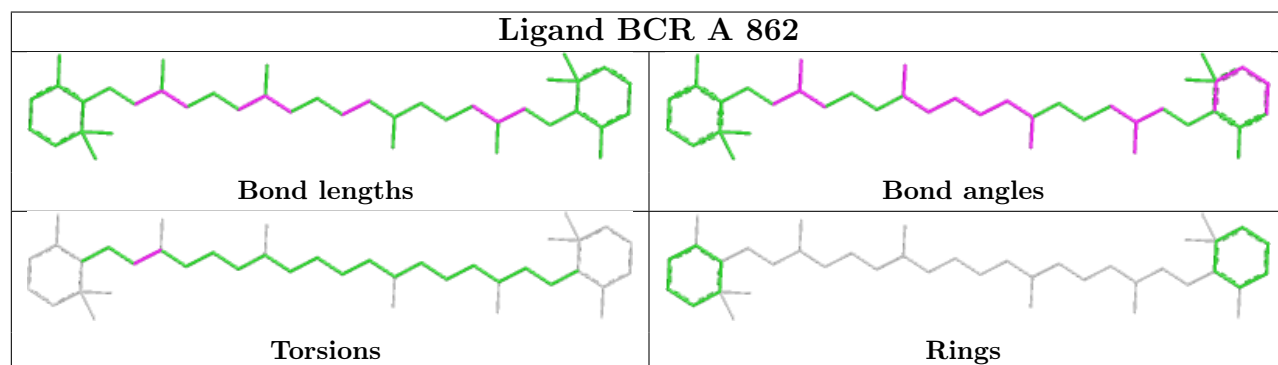
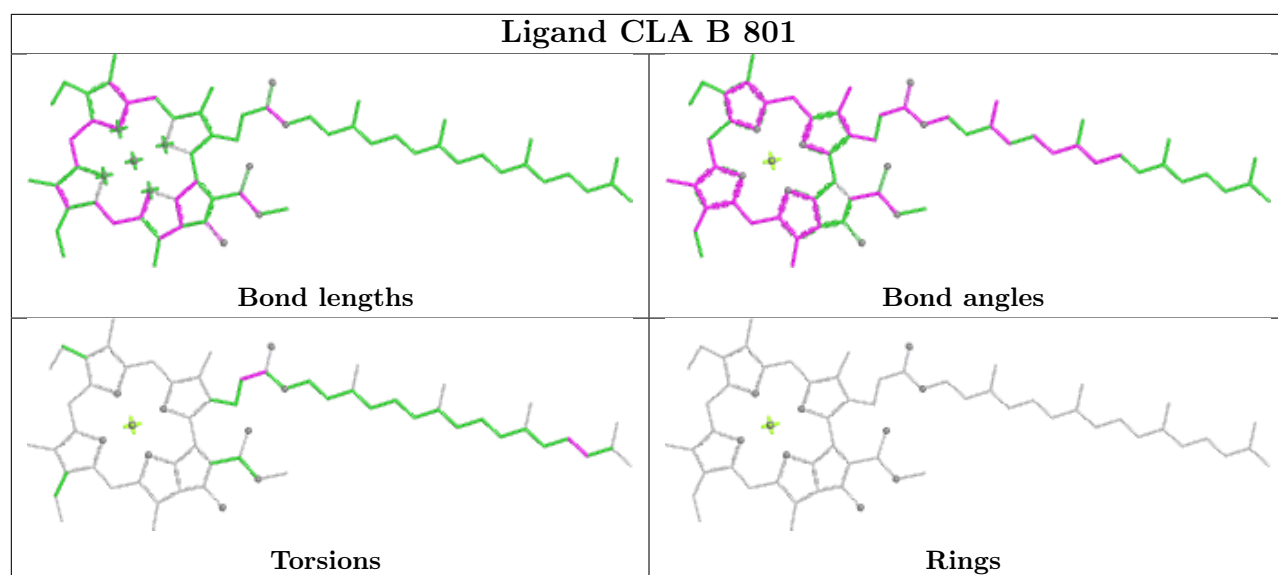


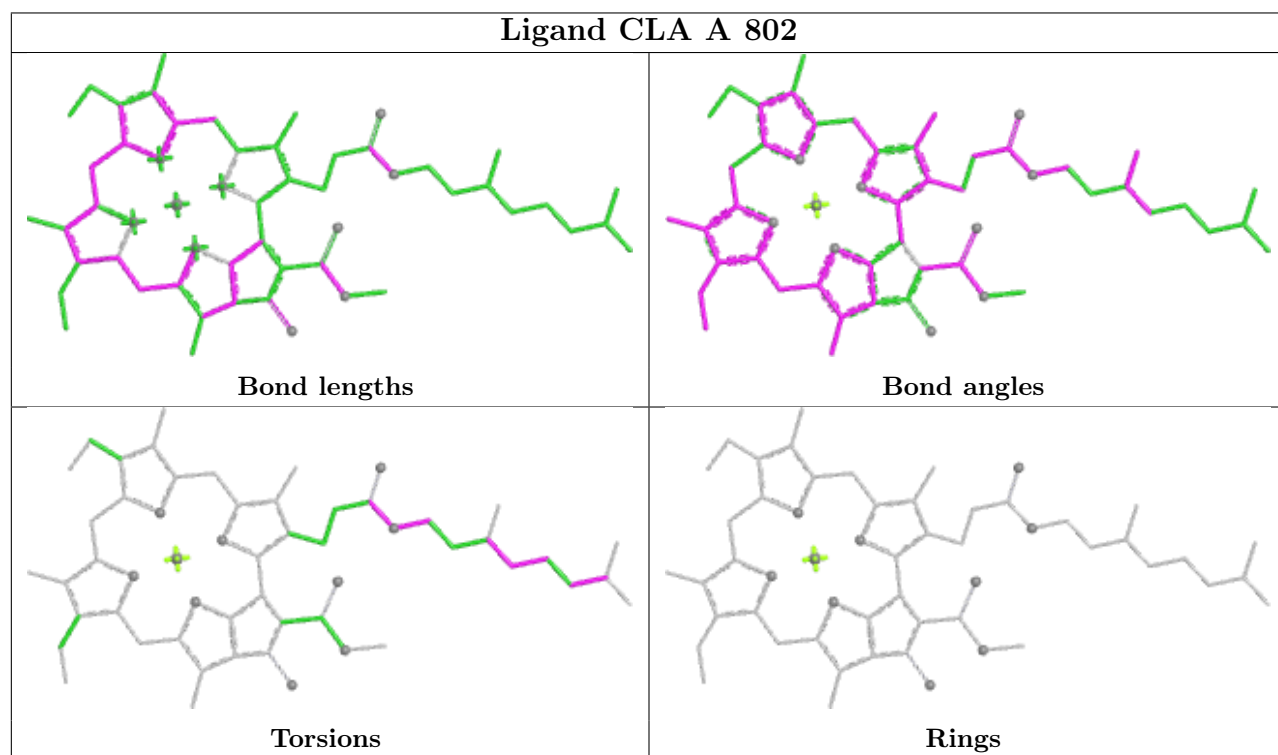
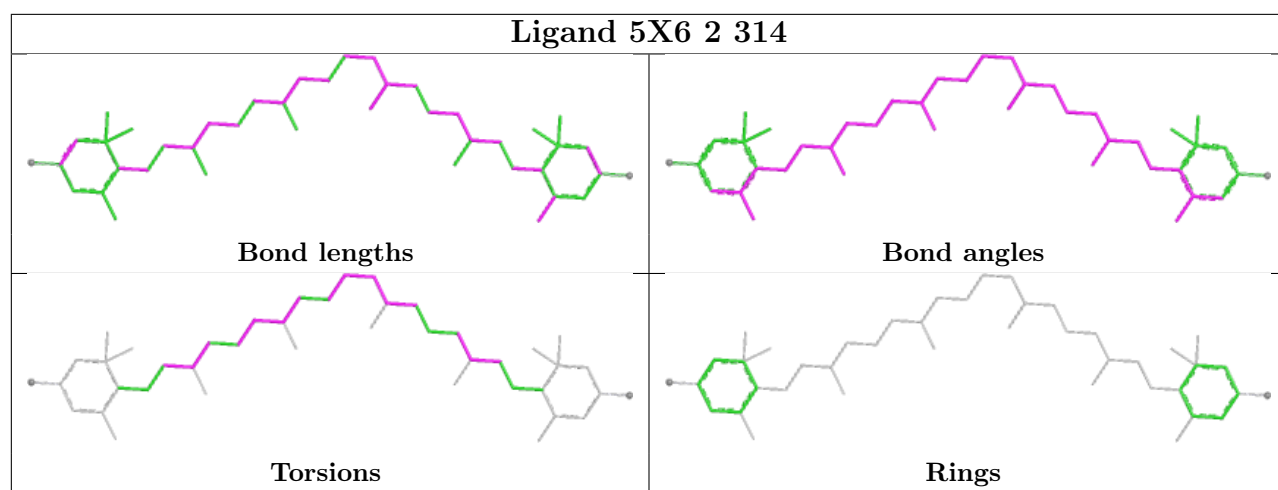
Ligand CLA 1 310

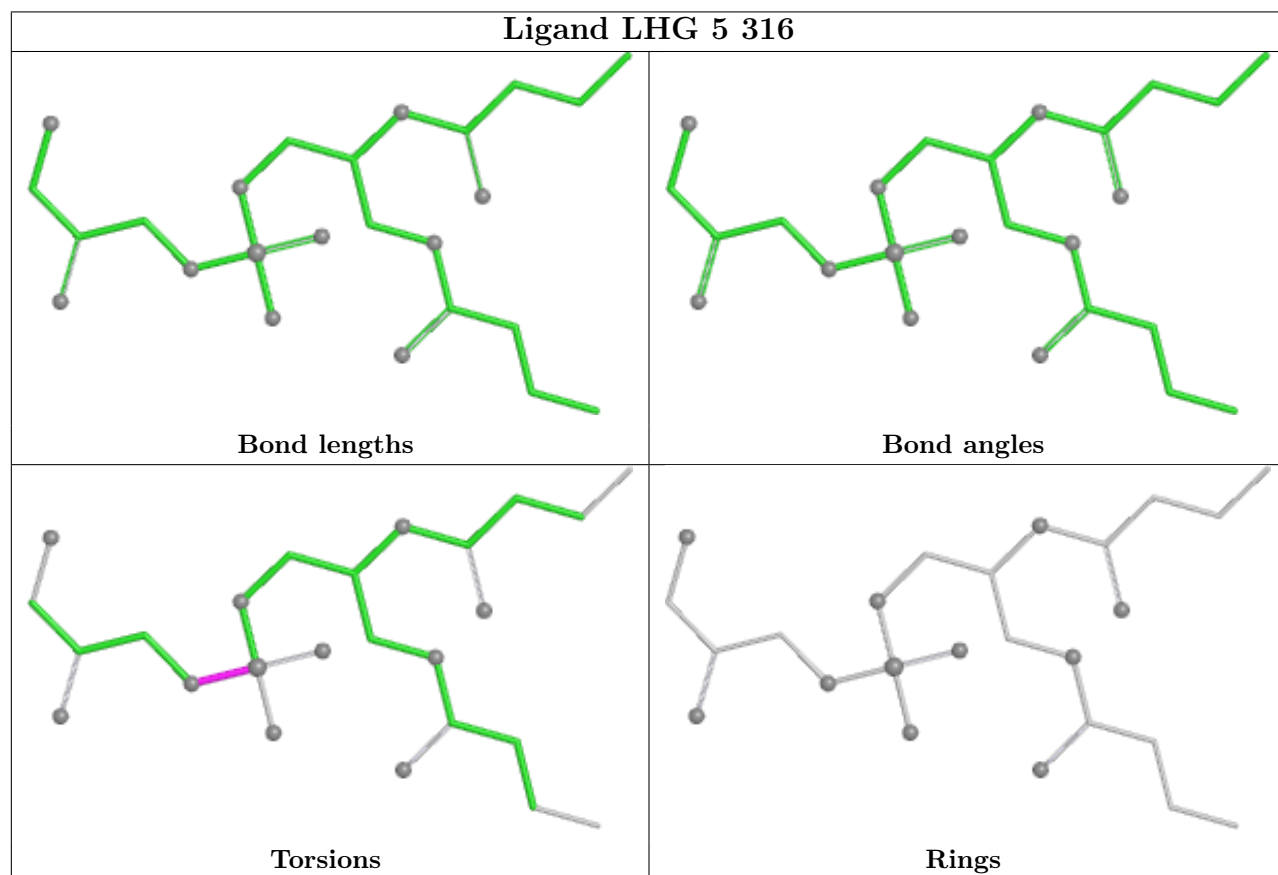
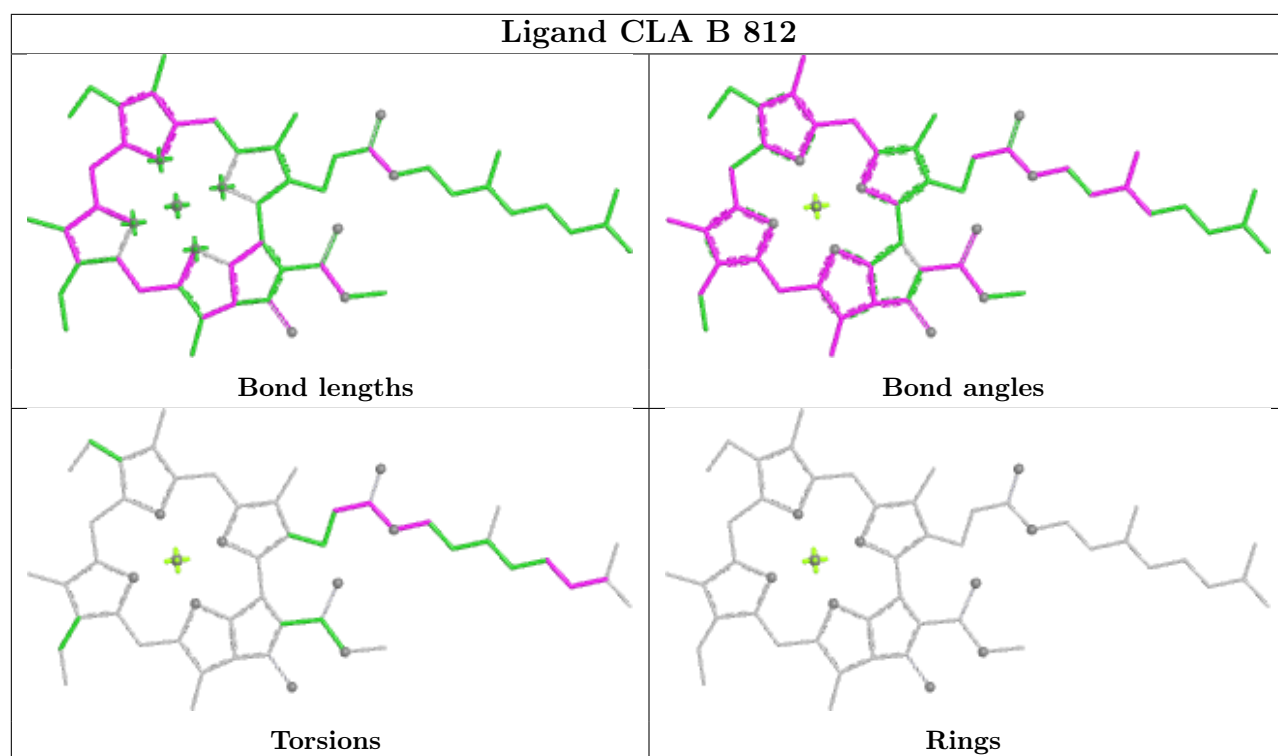


Ligand BCR 4 316

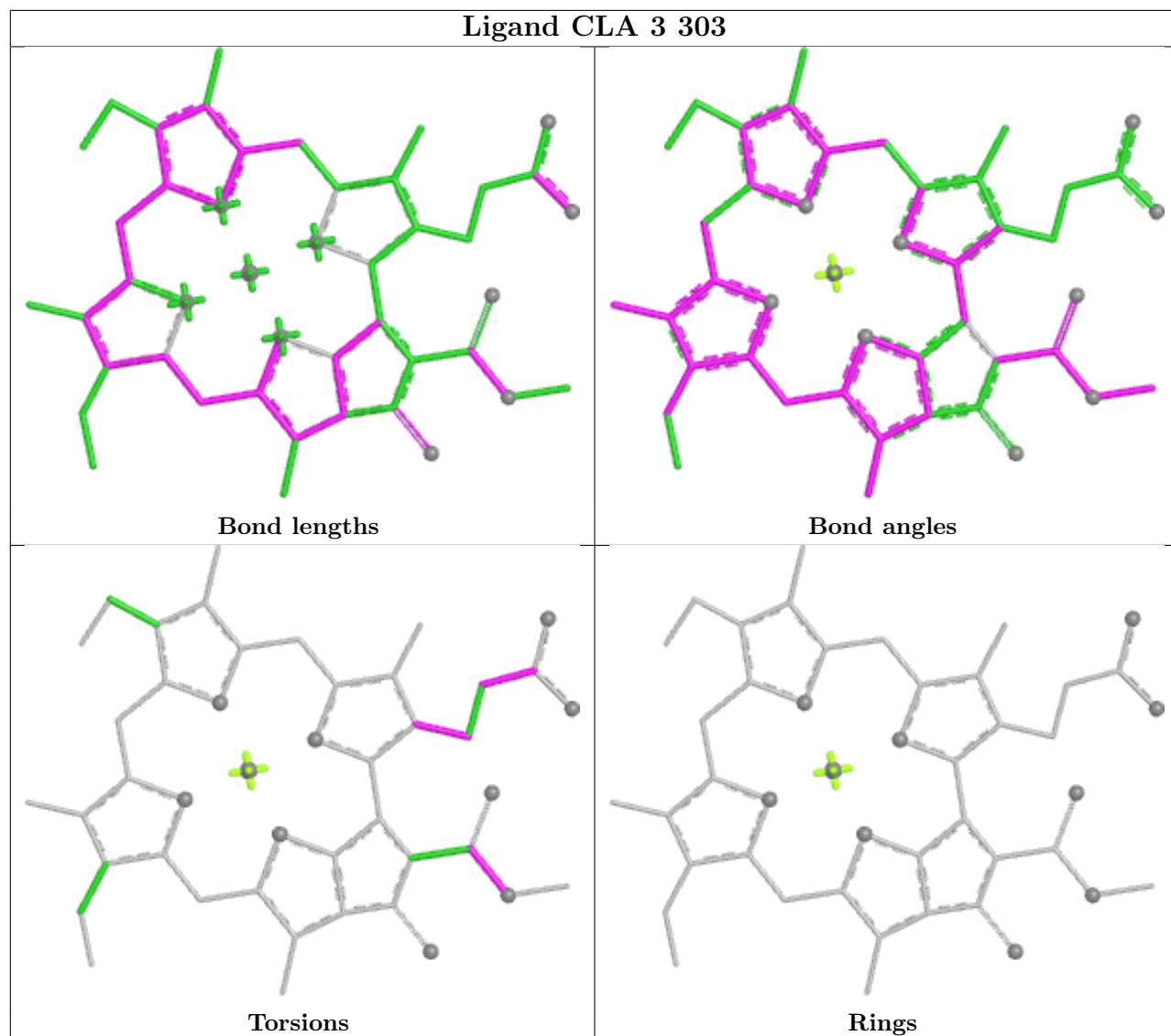




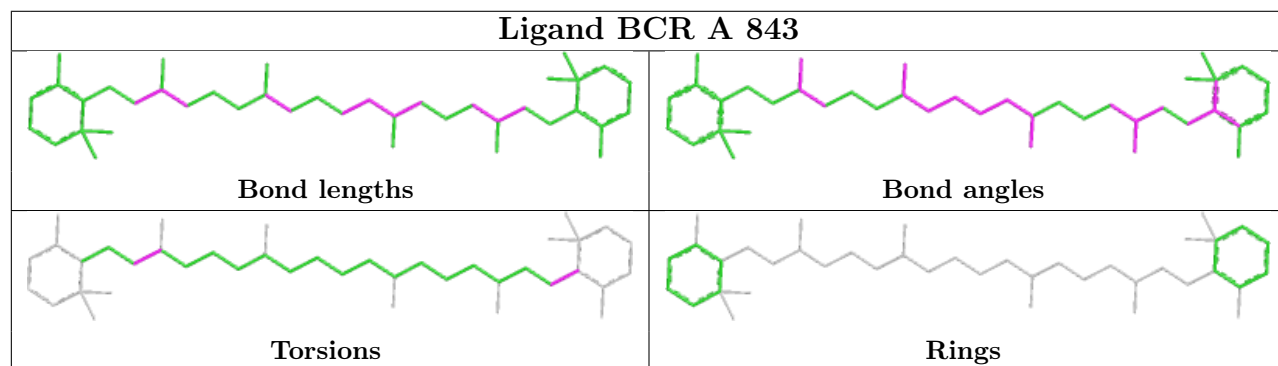


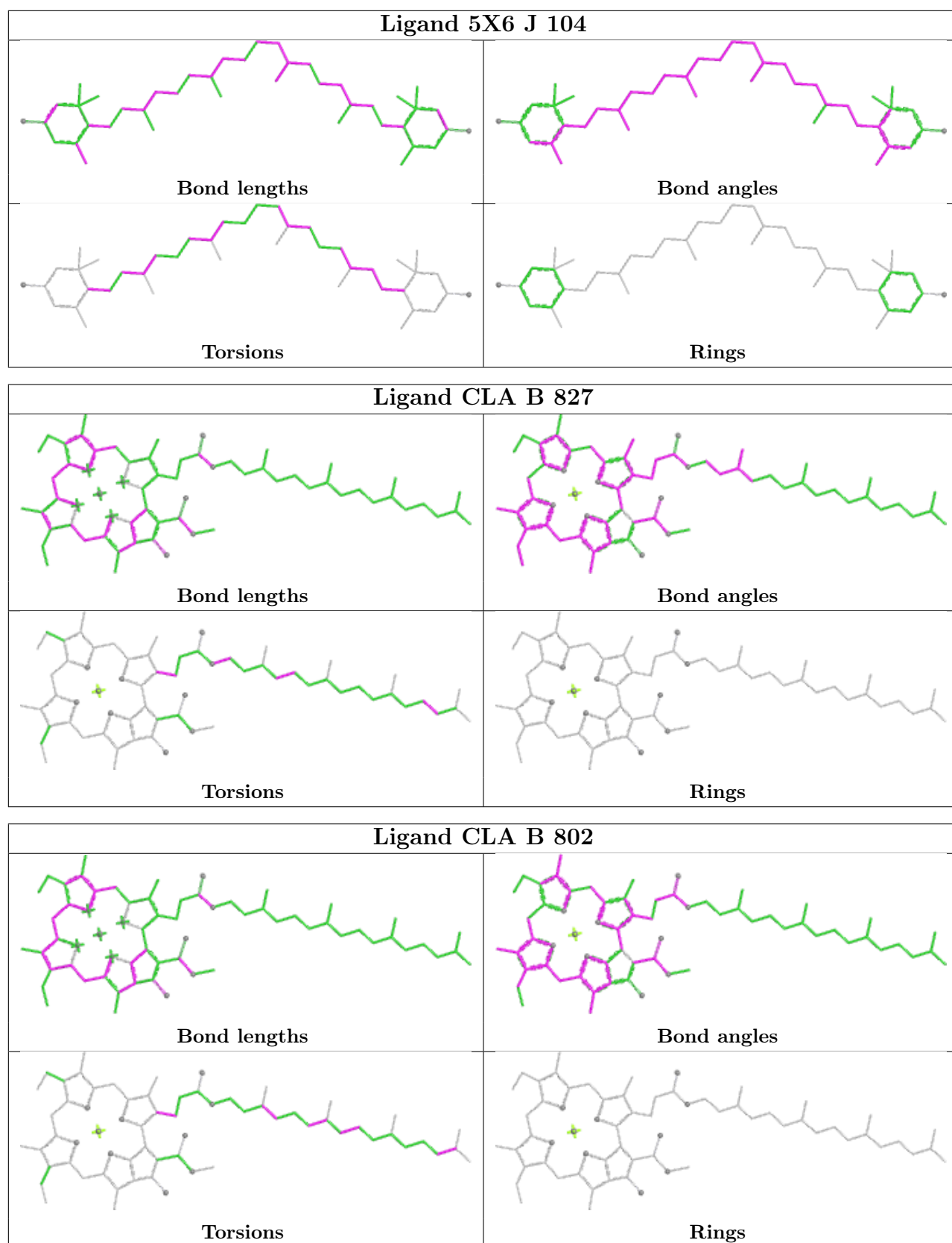


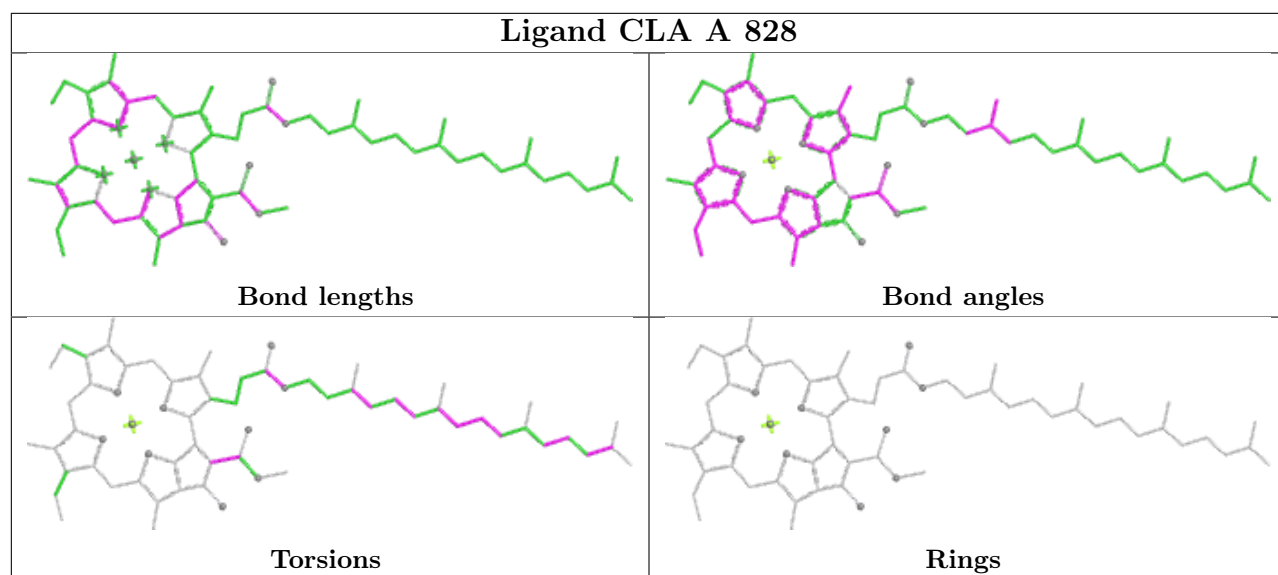
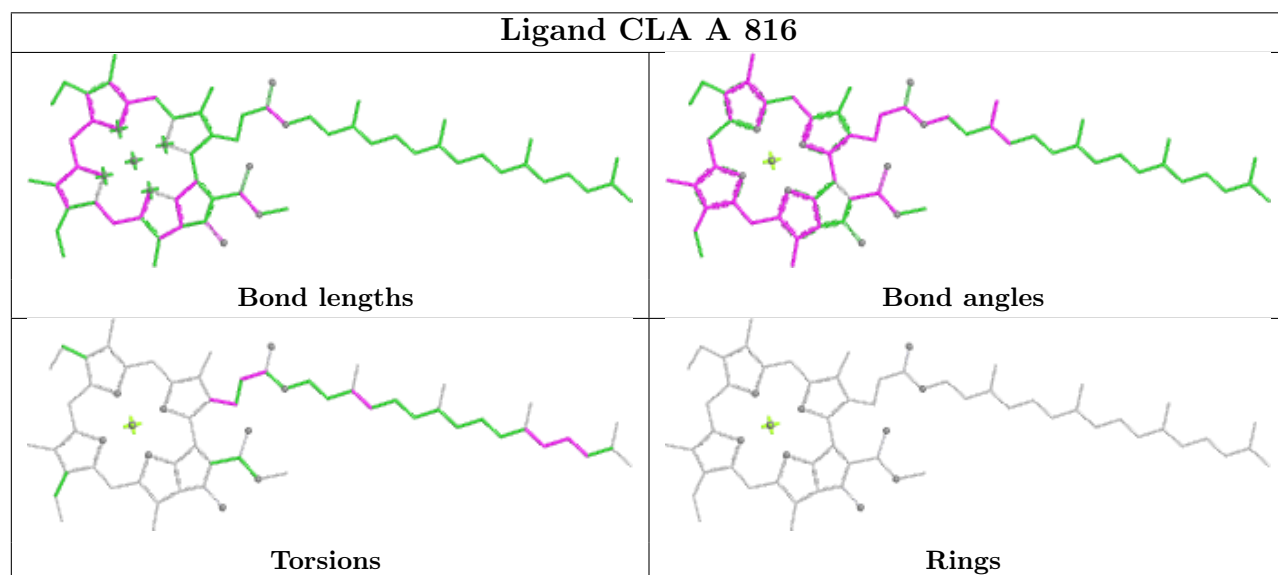
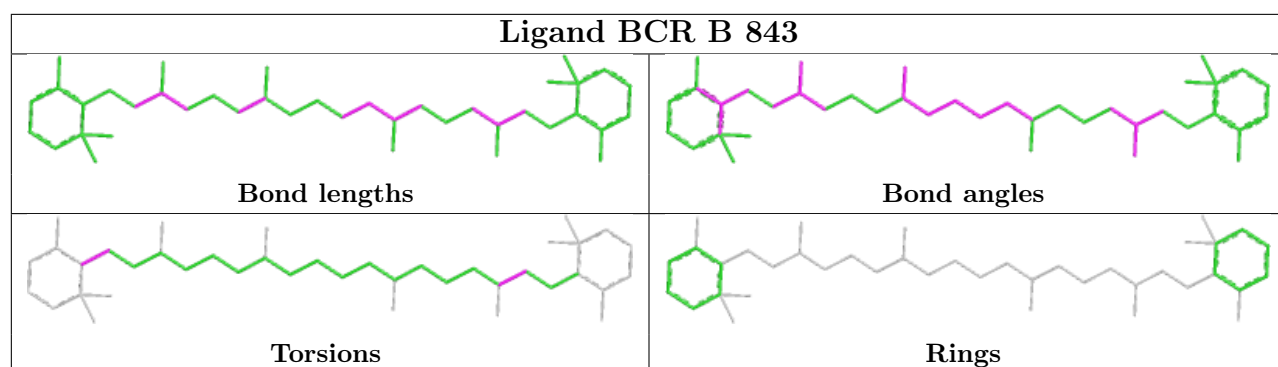
Ligand CLA 3 303



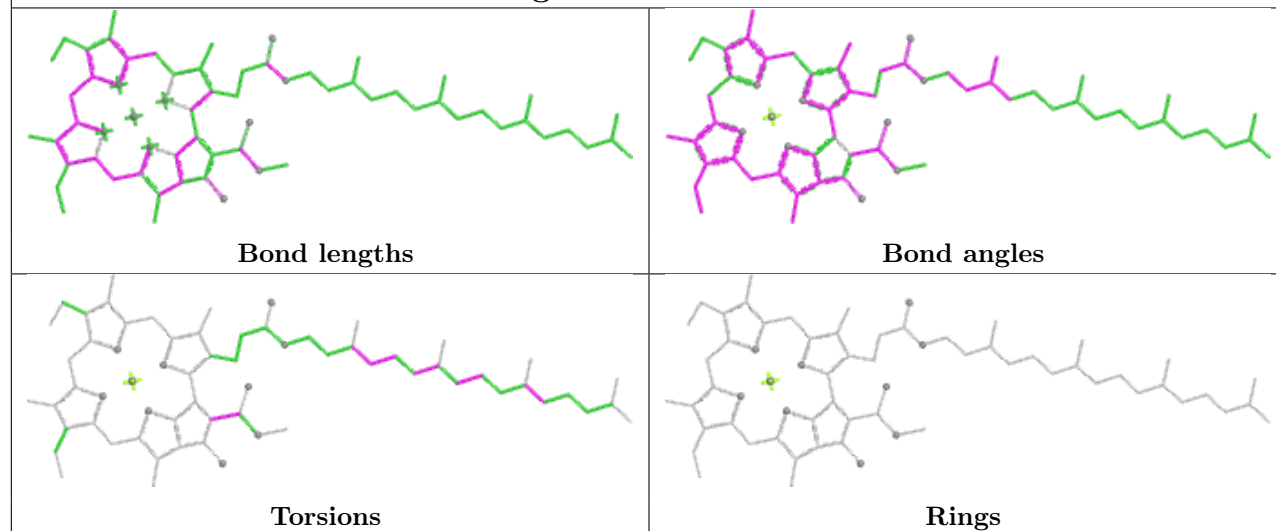
Ligand BCR A 843



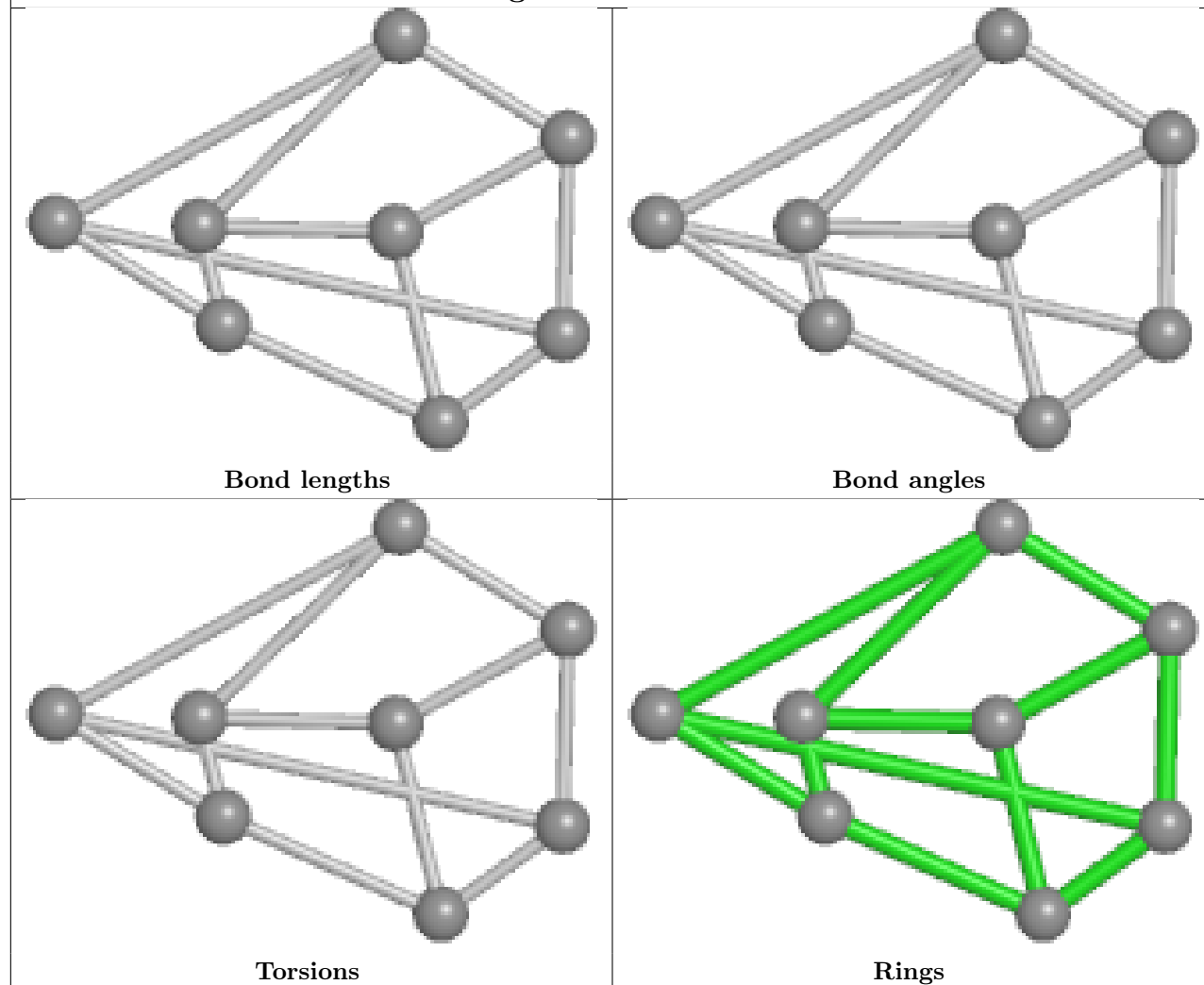


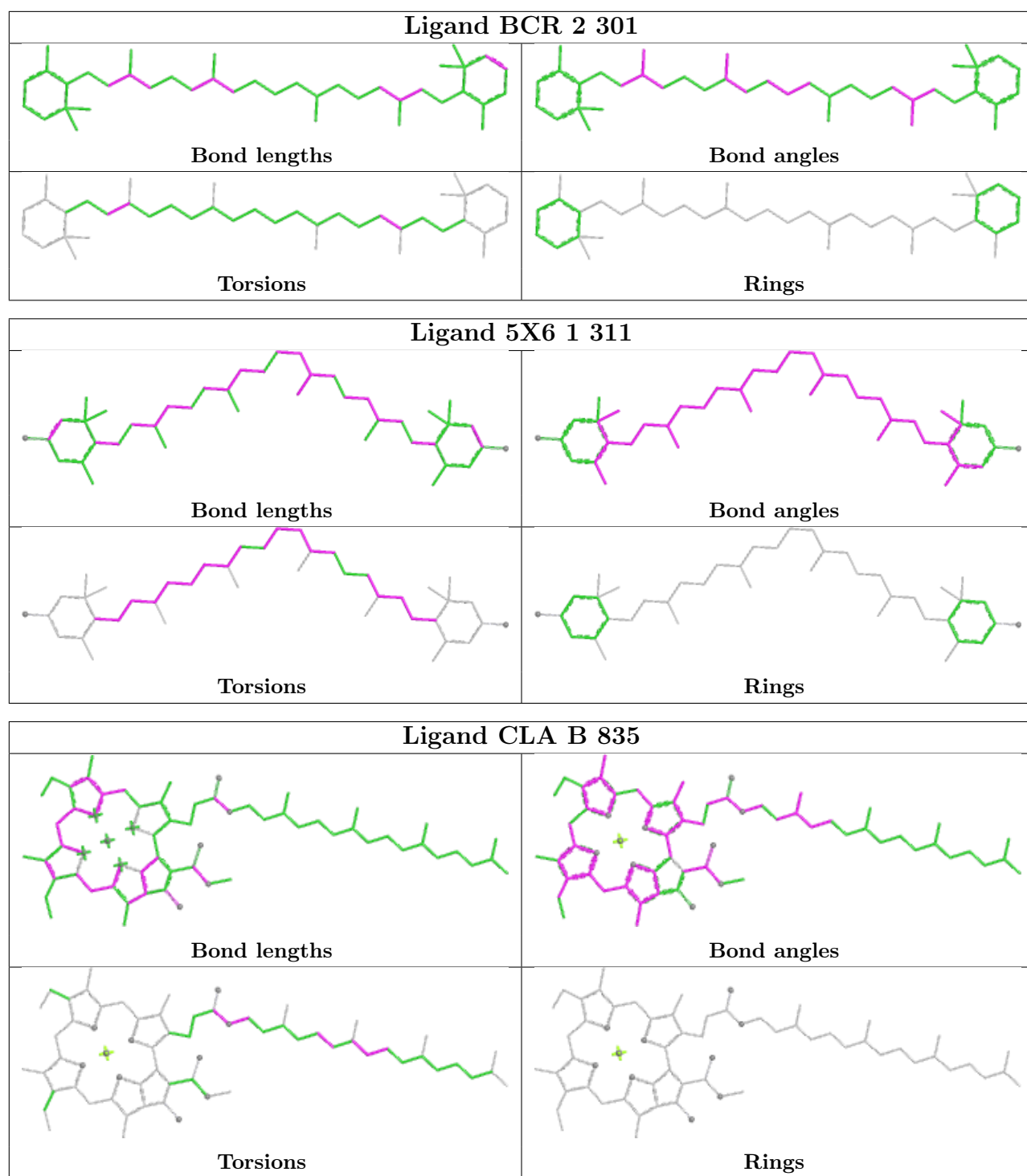


Ligand CLA B 808

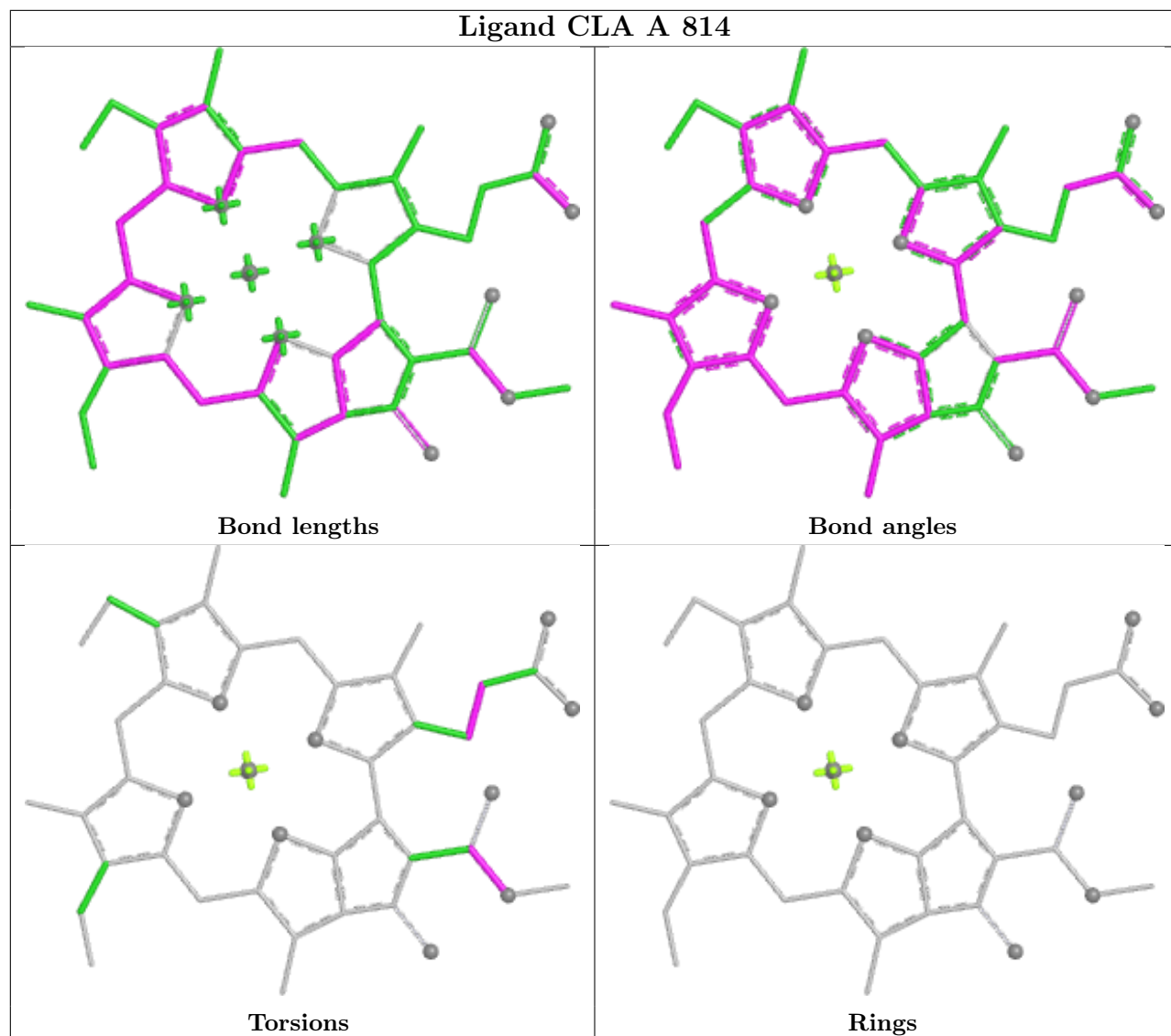


Ligand SF4 C 101

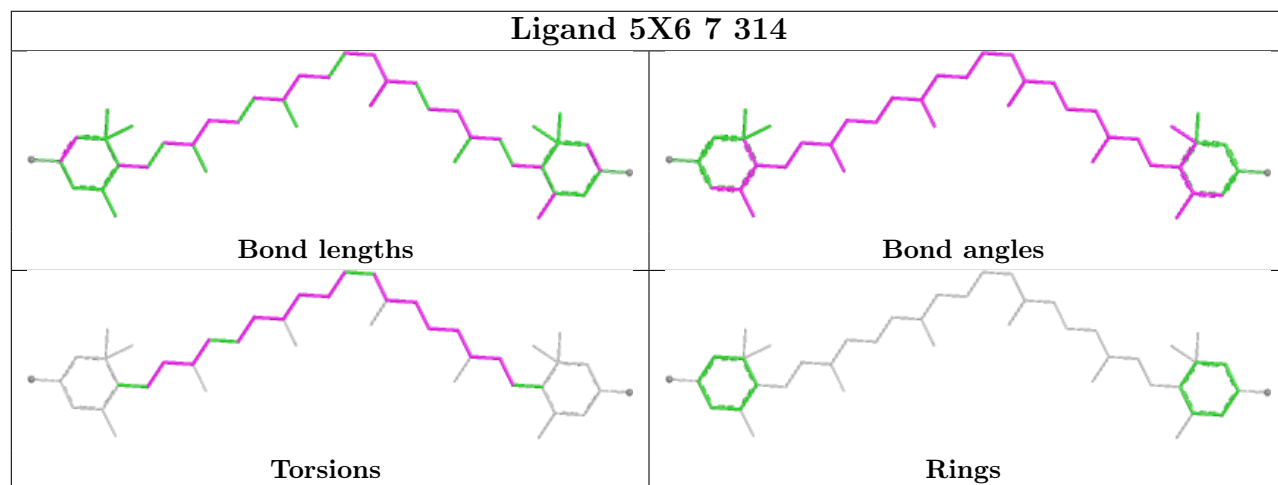


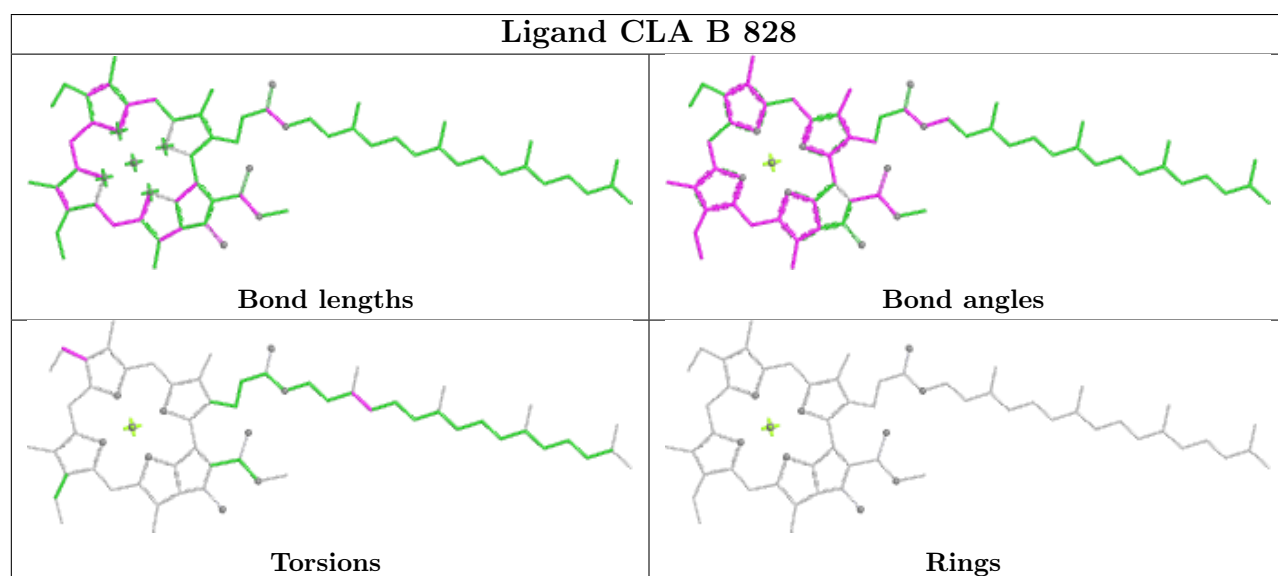
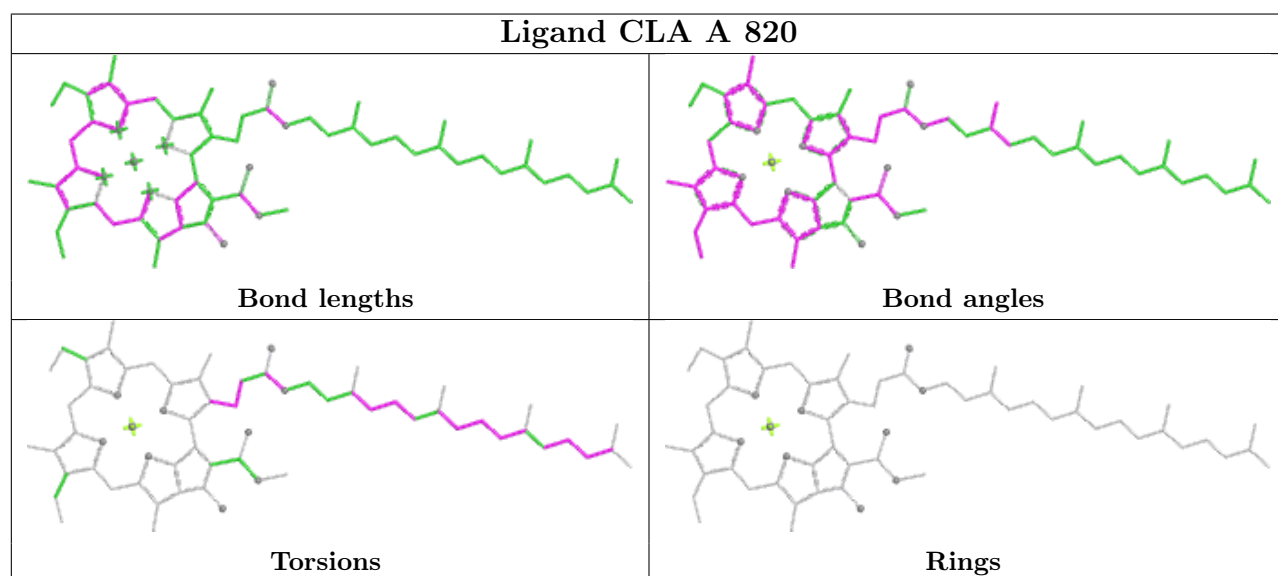
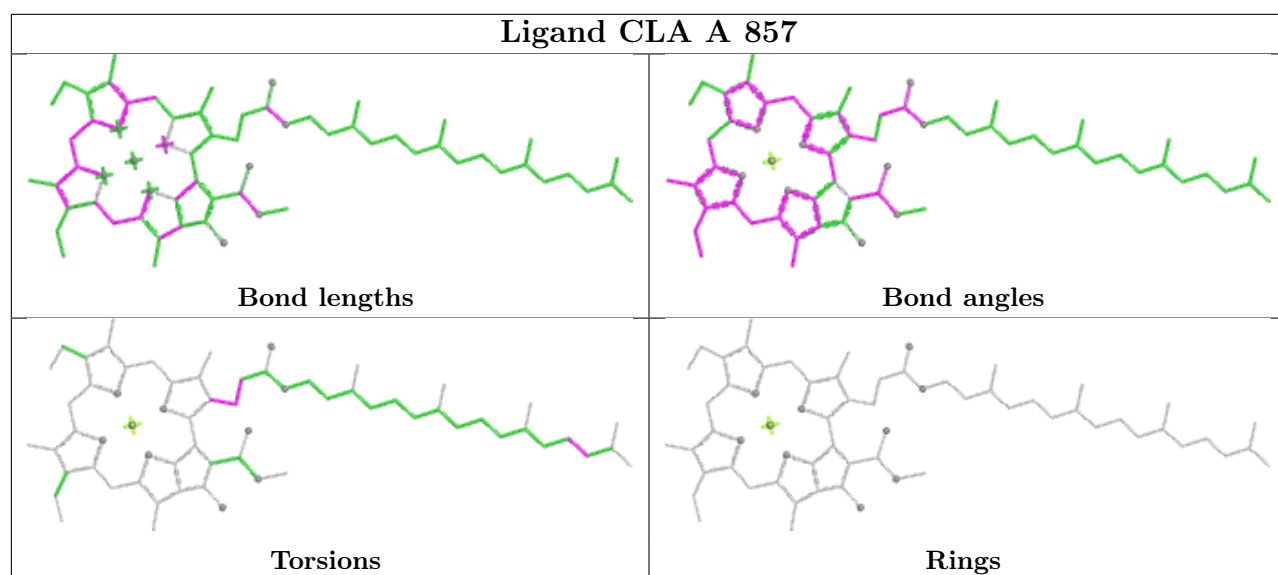


Ligand CLA A 814

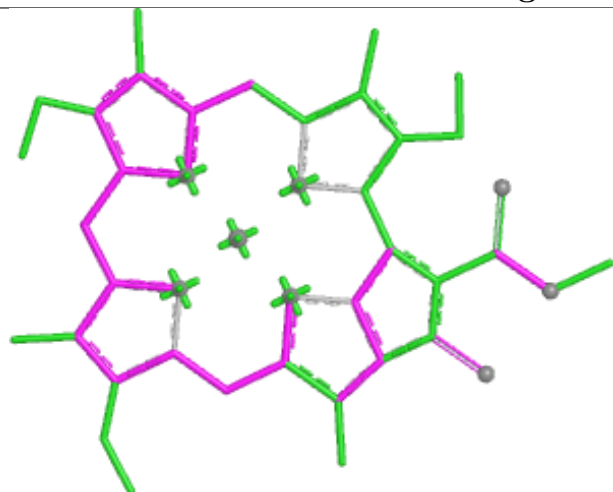


Ligand 5X6 7 314

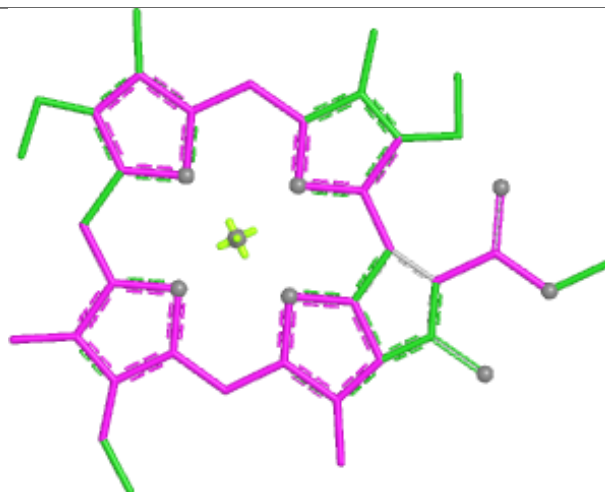




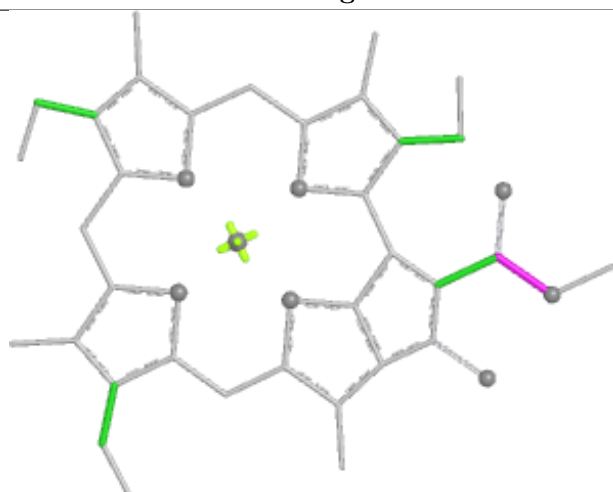
Ligand CLA 6 314



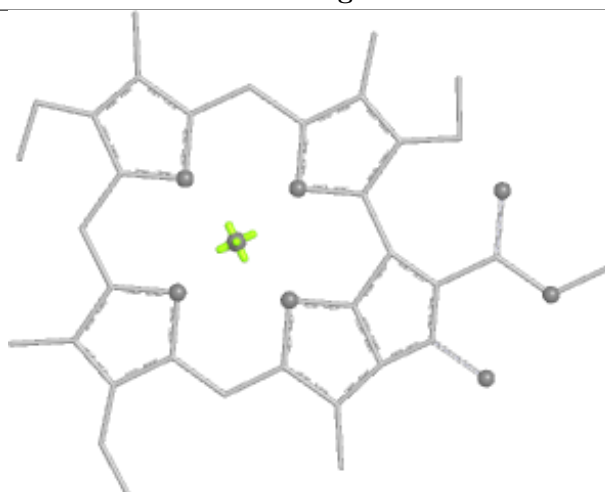
Bond lengths



Bond angles

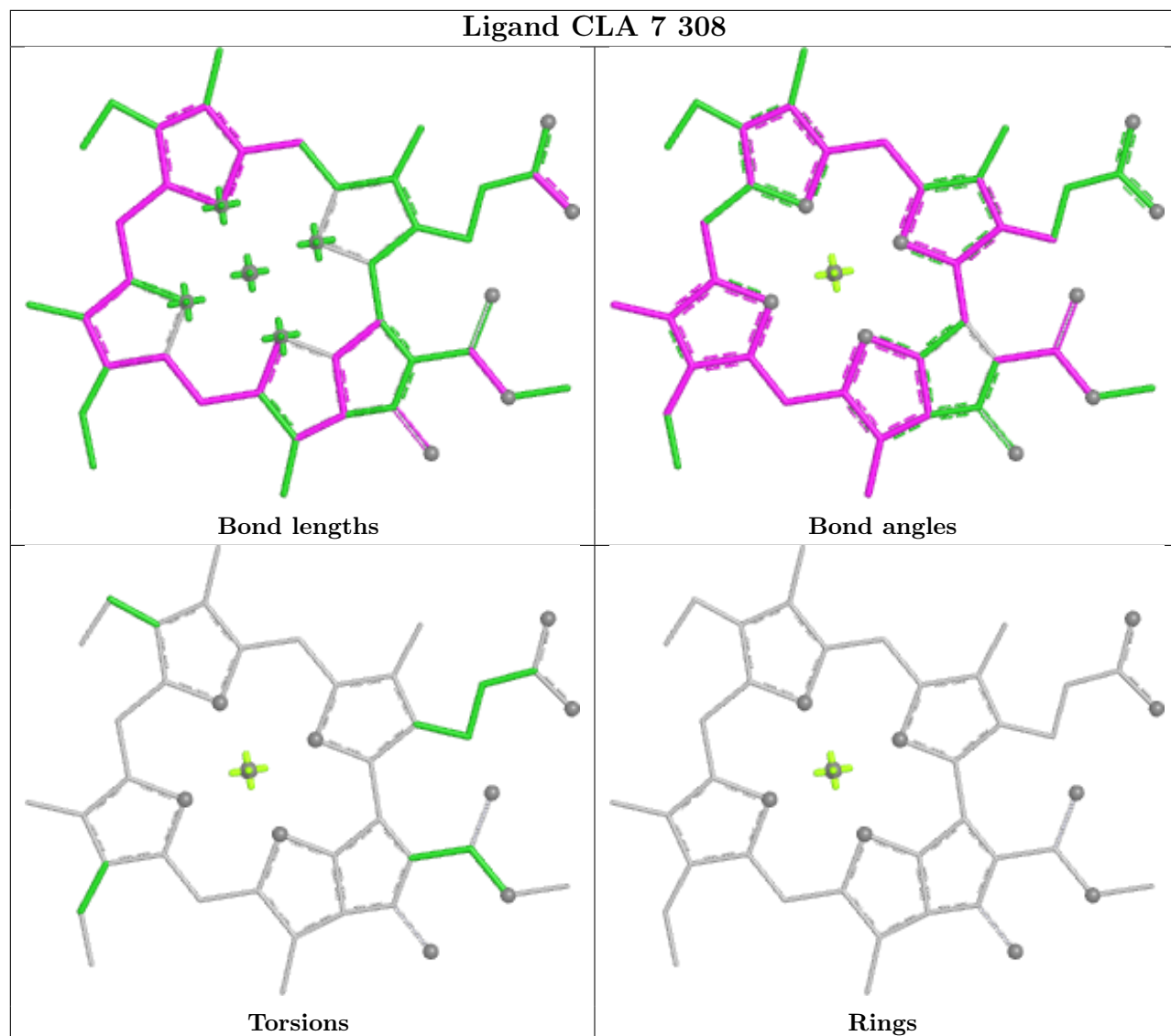


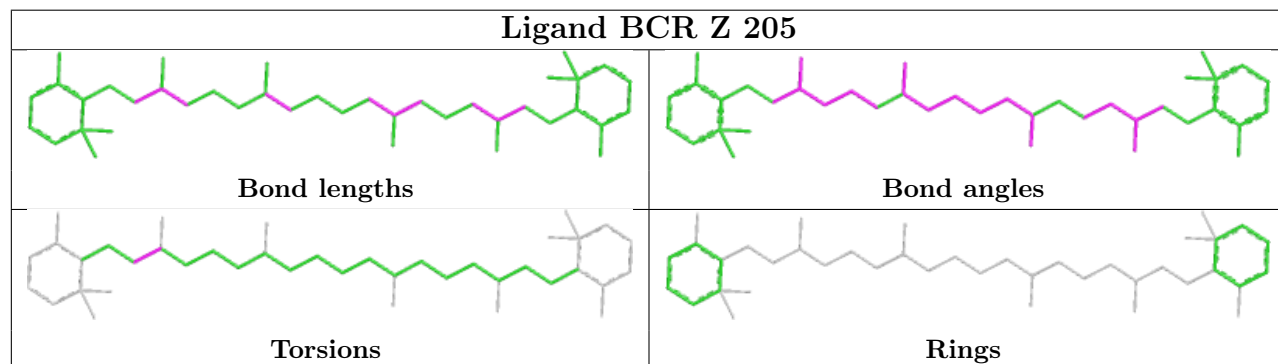
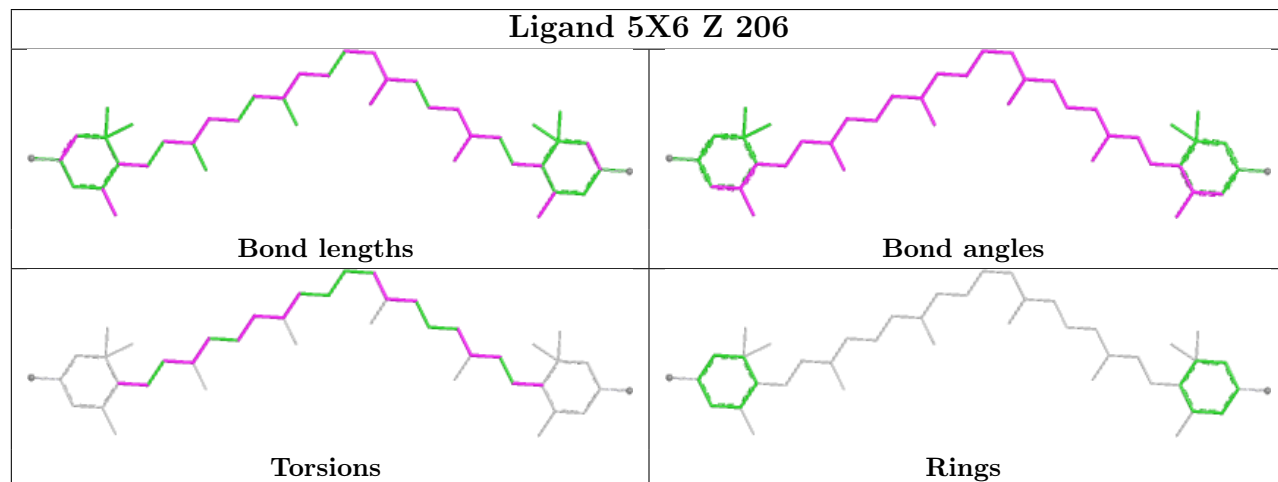
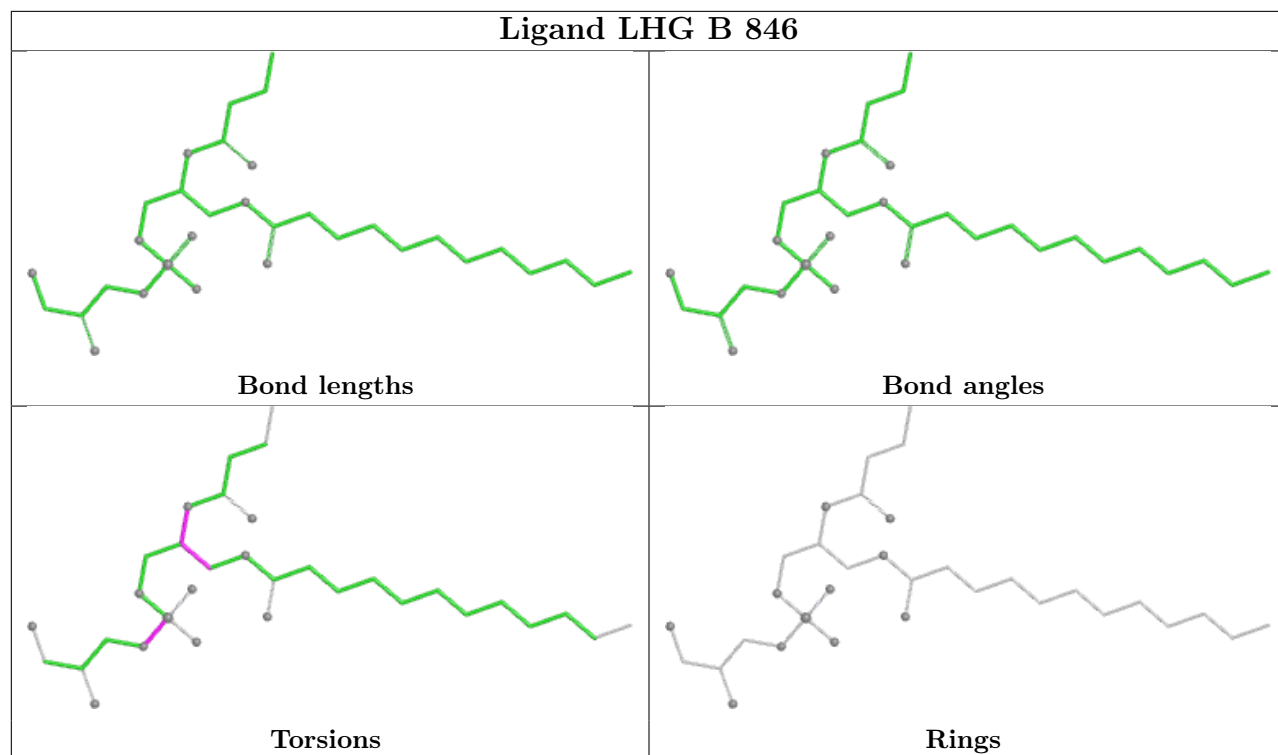
Torsions

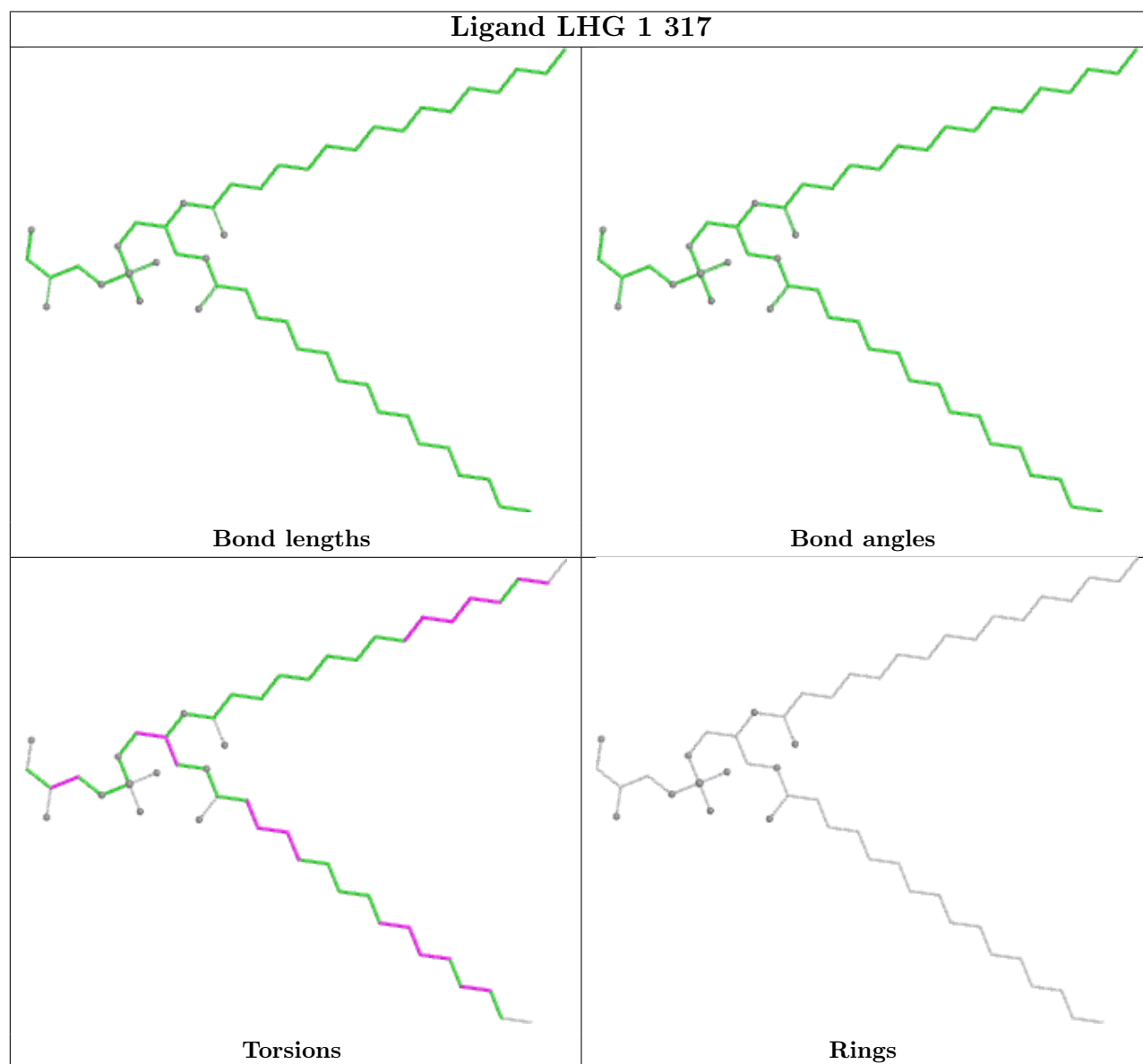
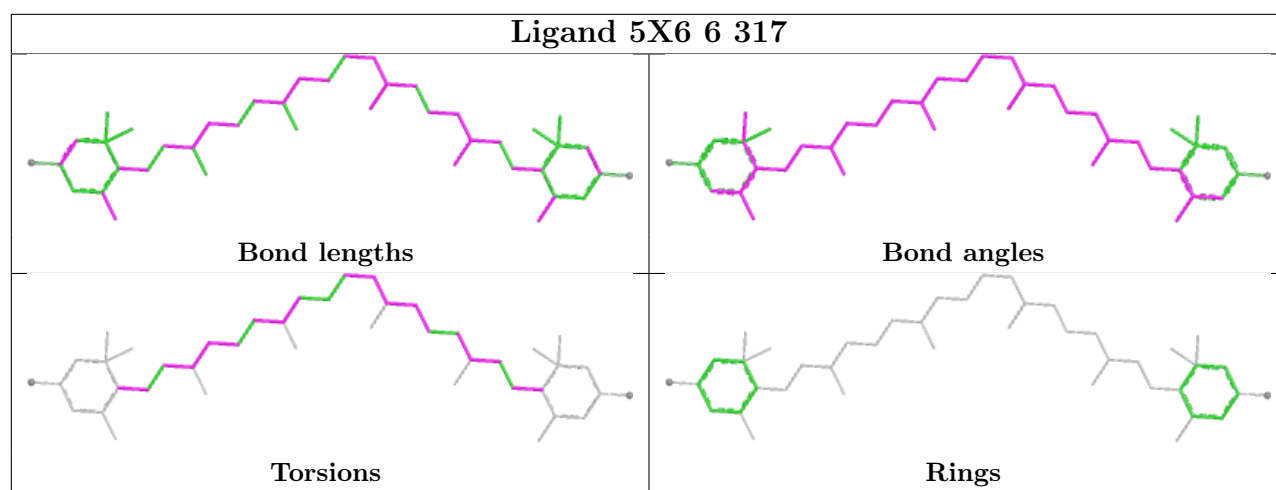


Rings

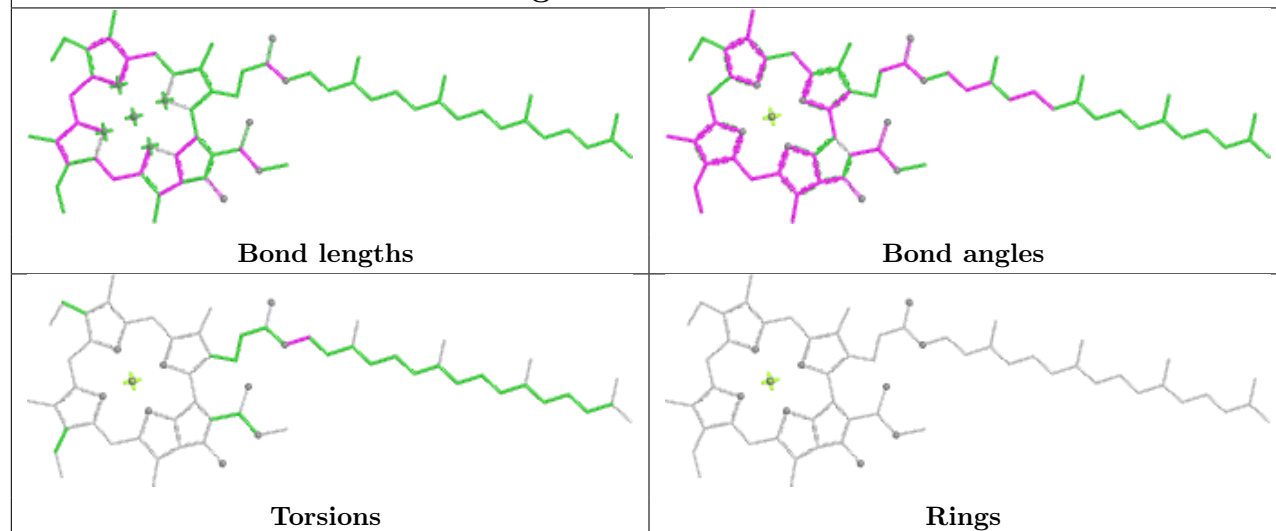
Ligand CLA 7 308



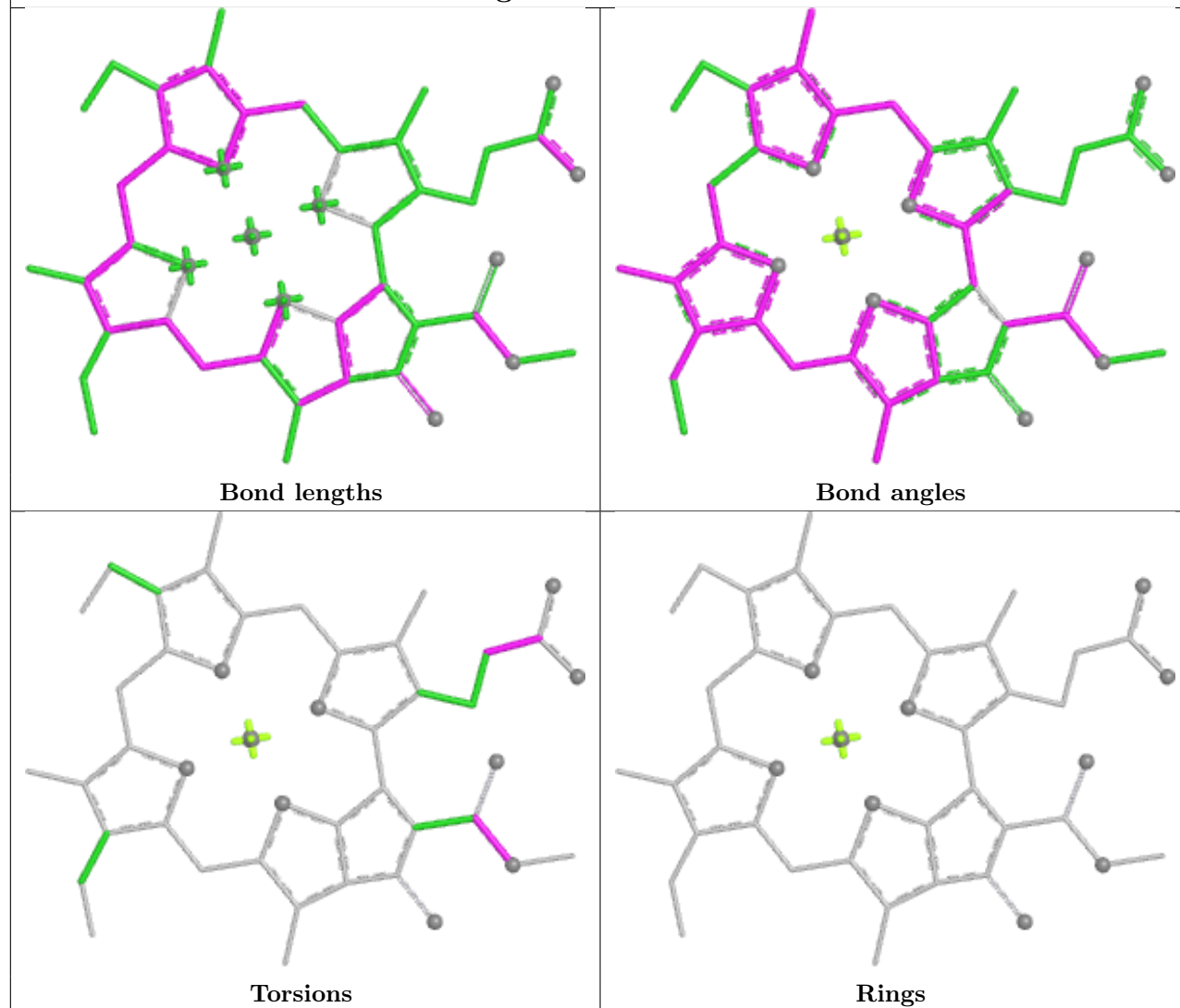


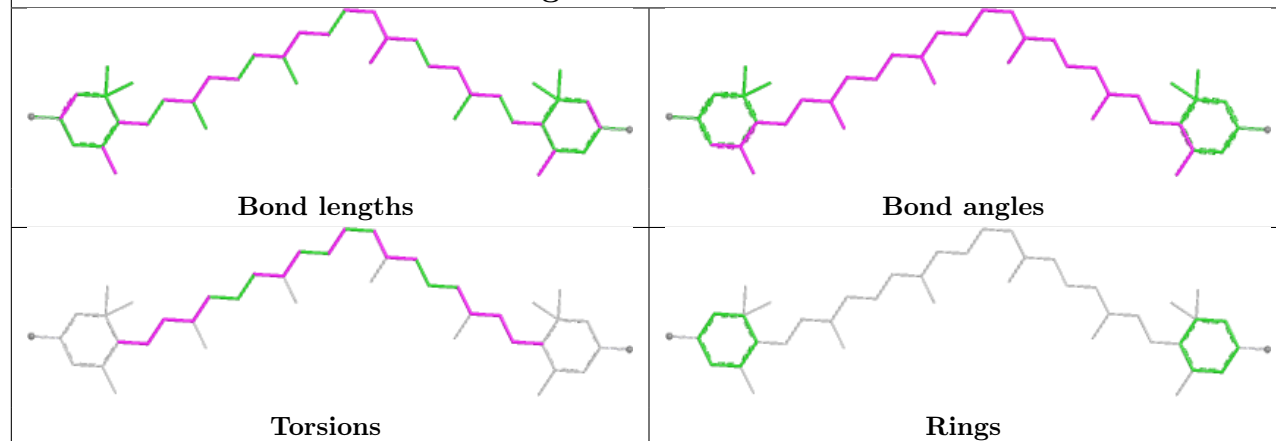
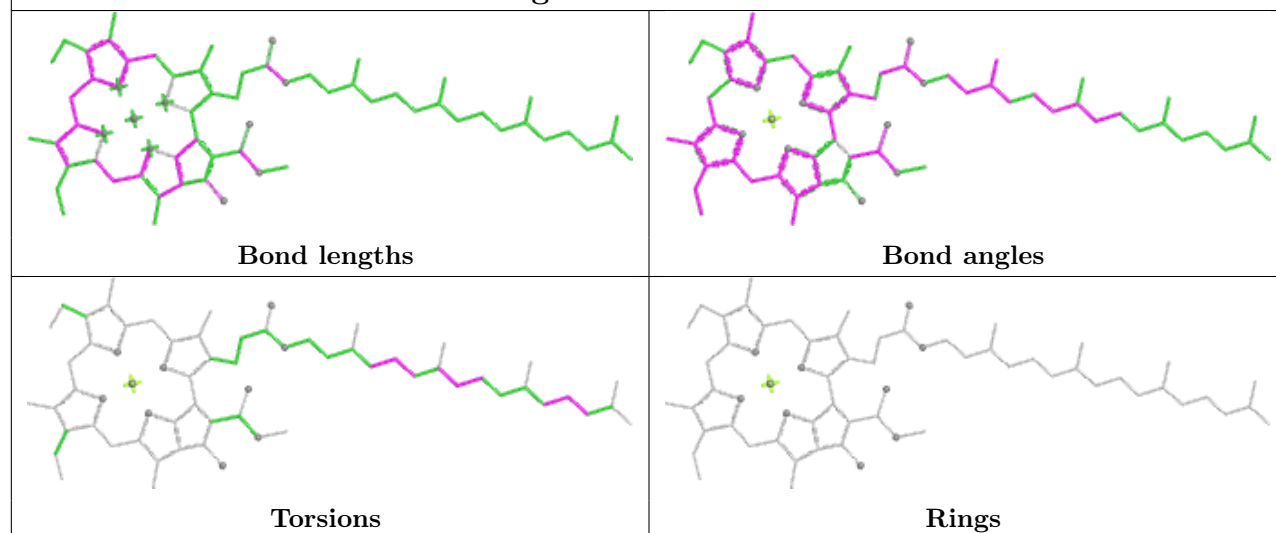
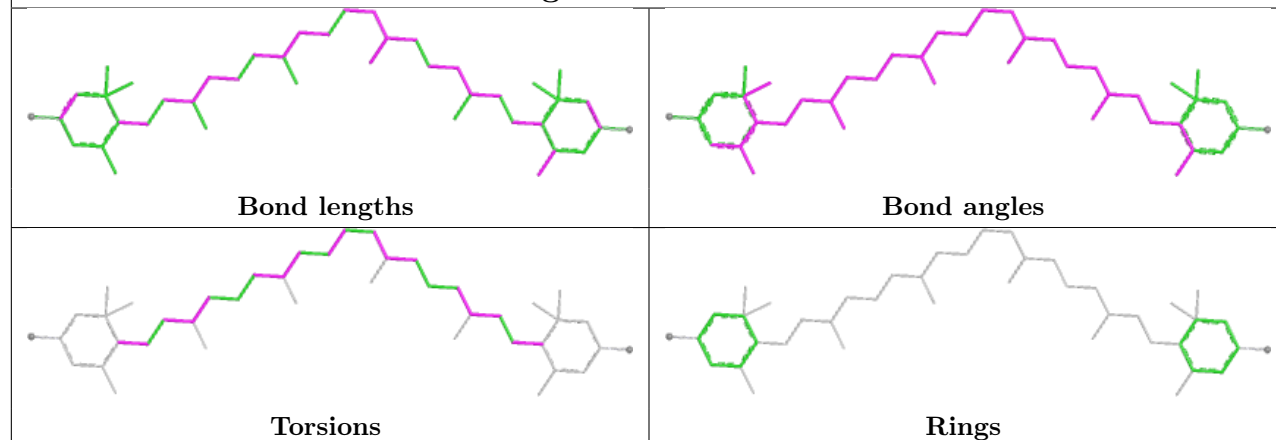


Ligand CLA B 826

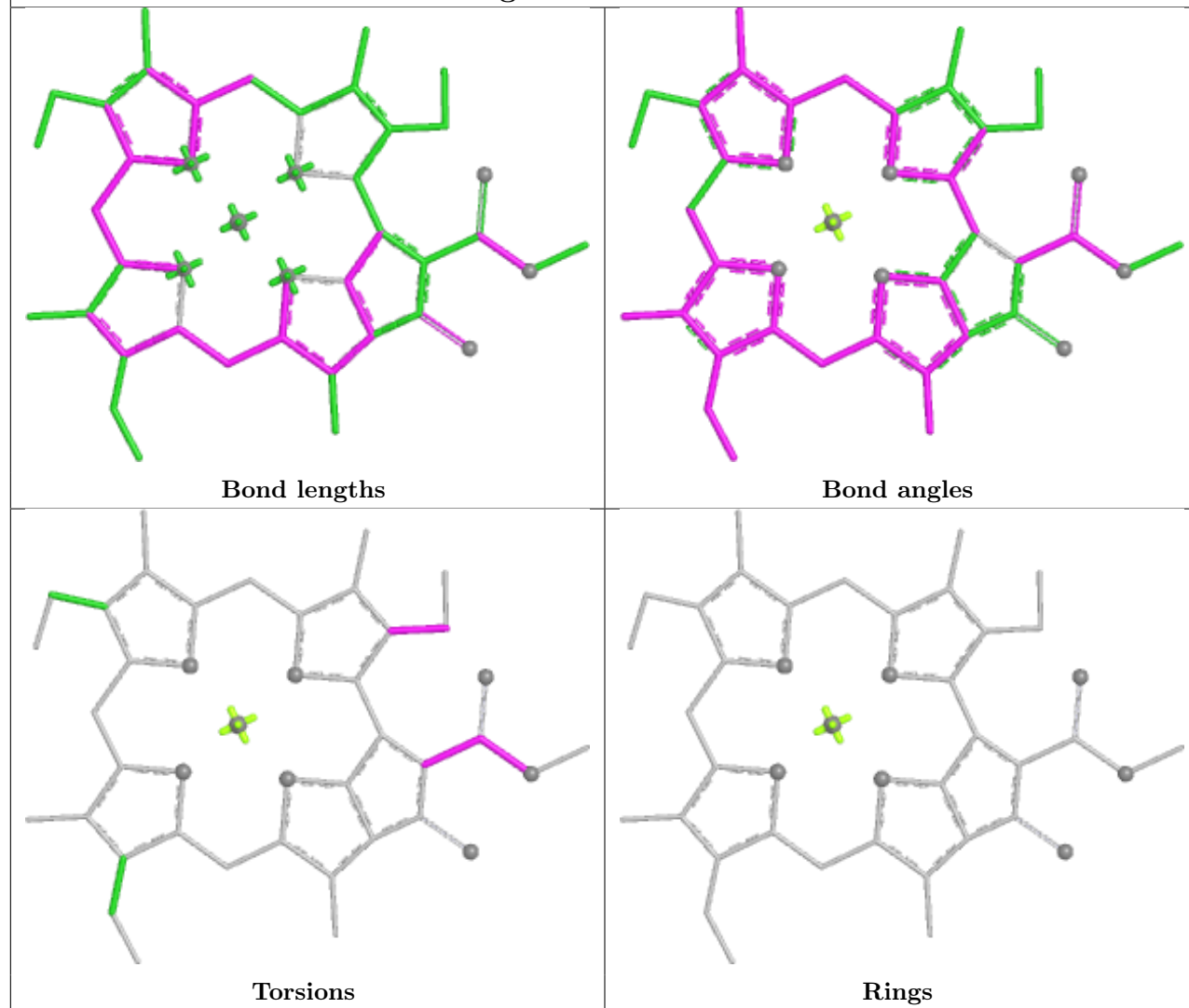


Ligand CLA 3 302

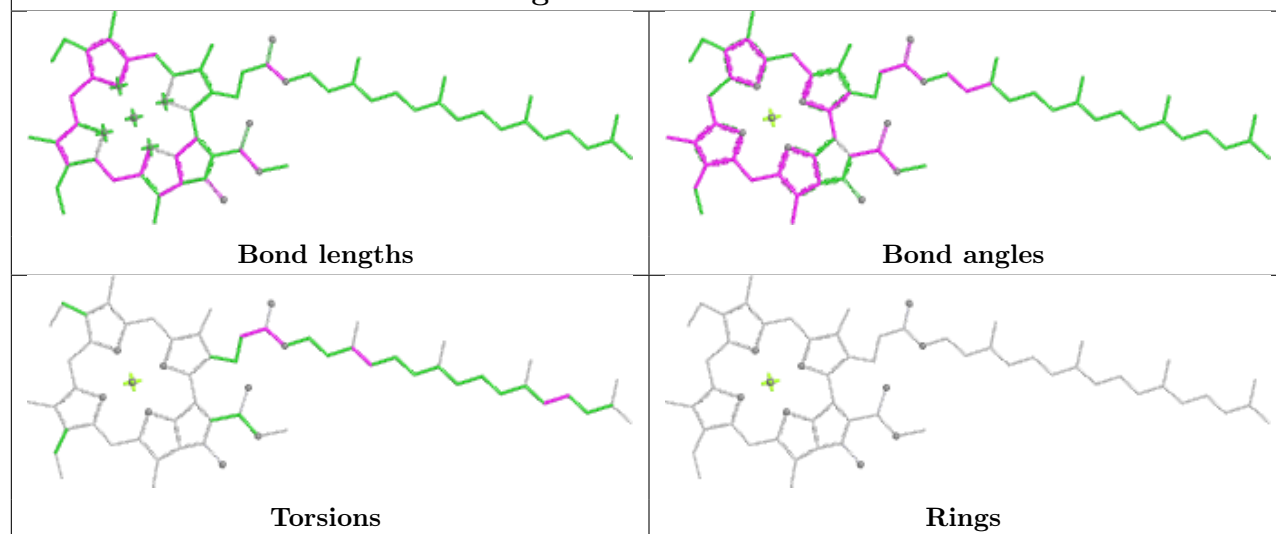


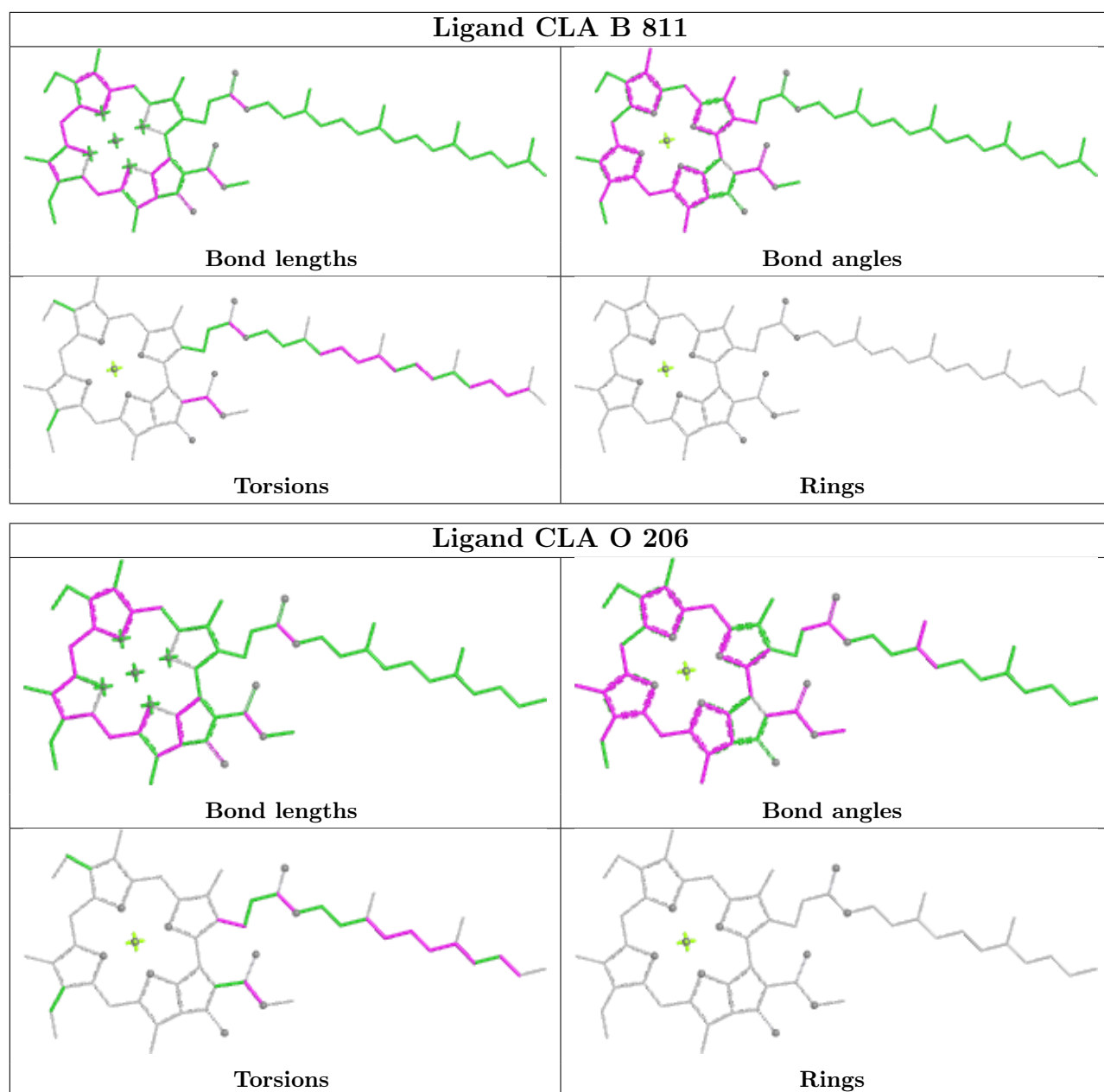
Ligand 5X6 5 313**Ligand CLA A 858****Ligand 5X6 1 312**

Ligand CLA 6 312

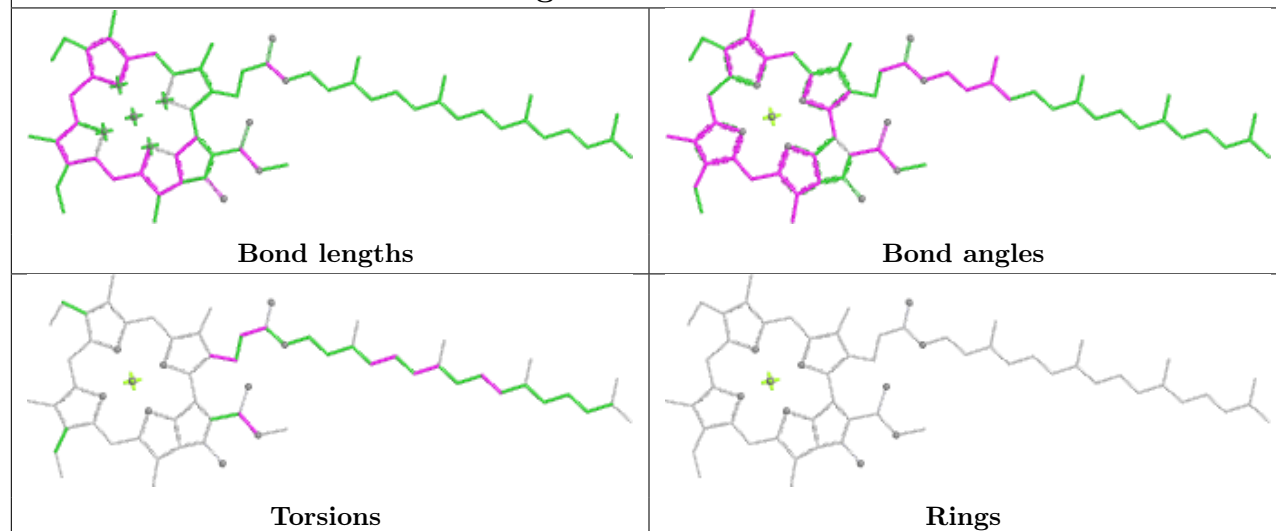


Ligand CLA A 825

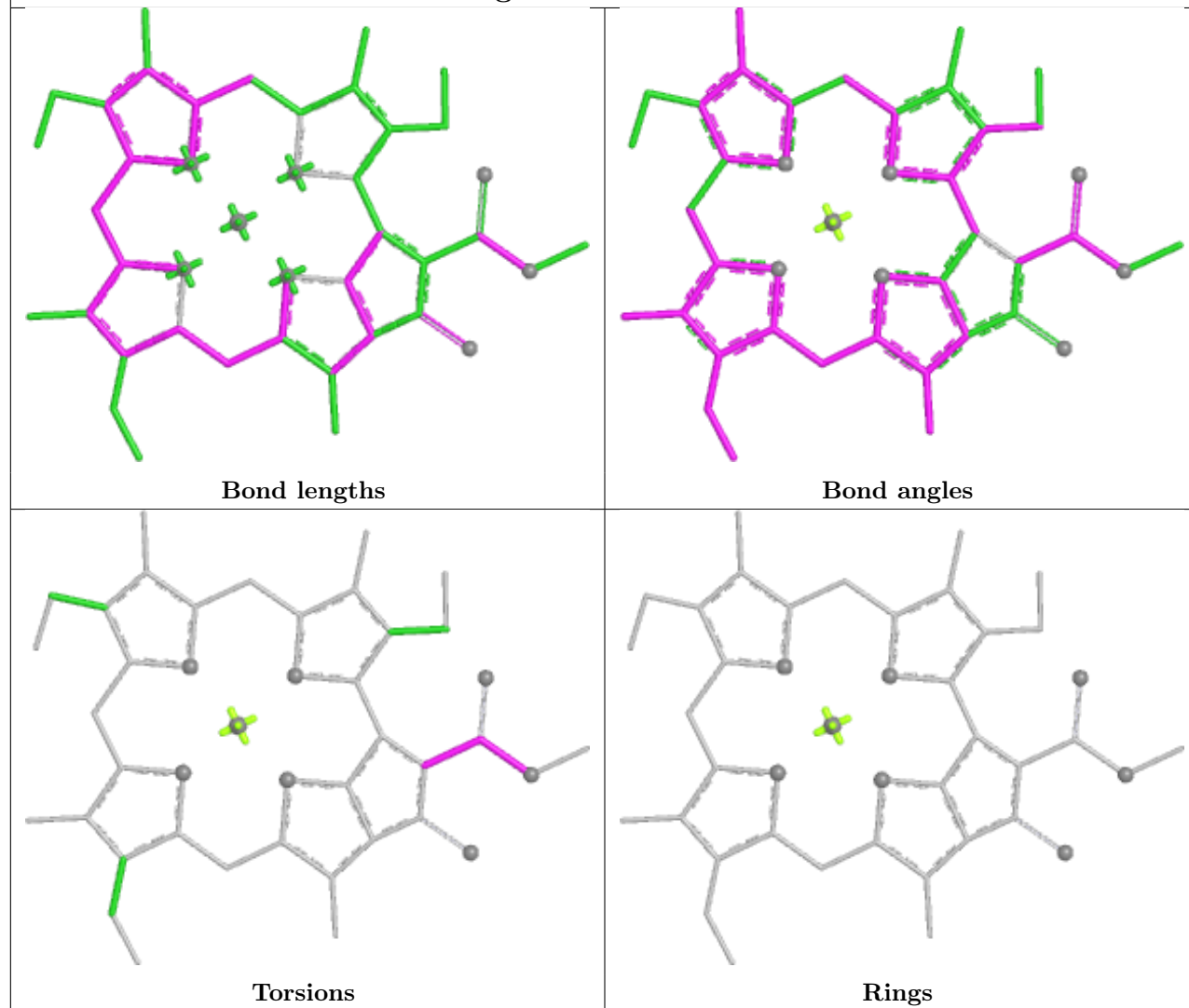


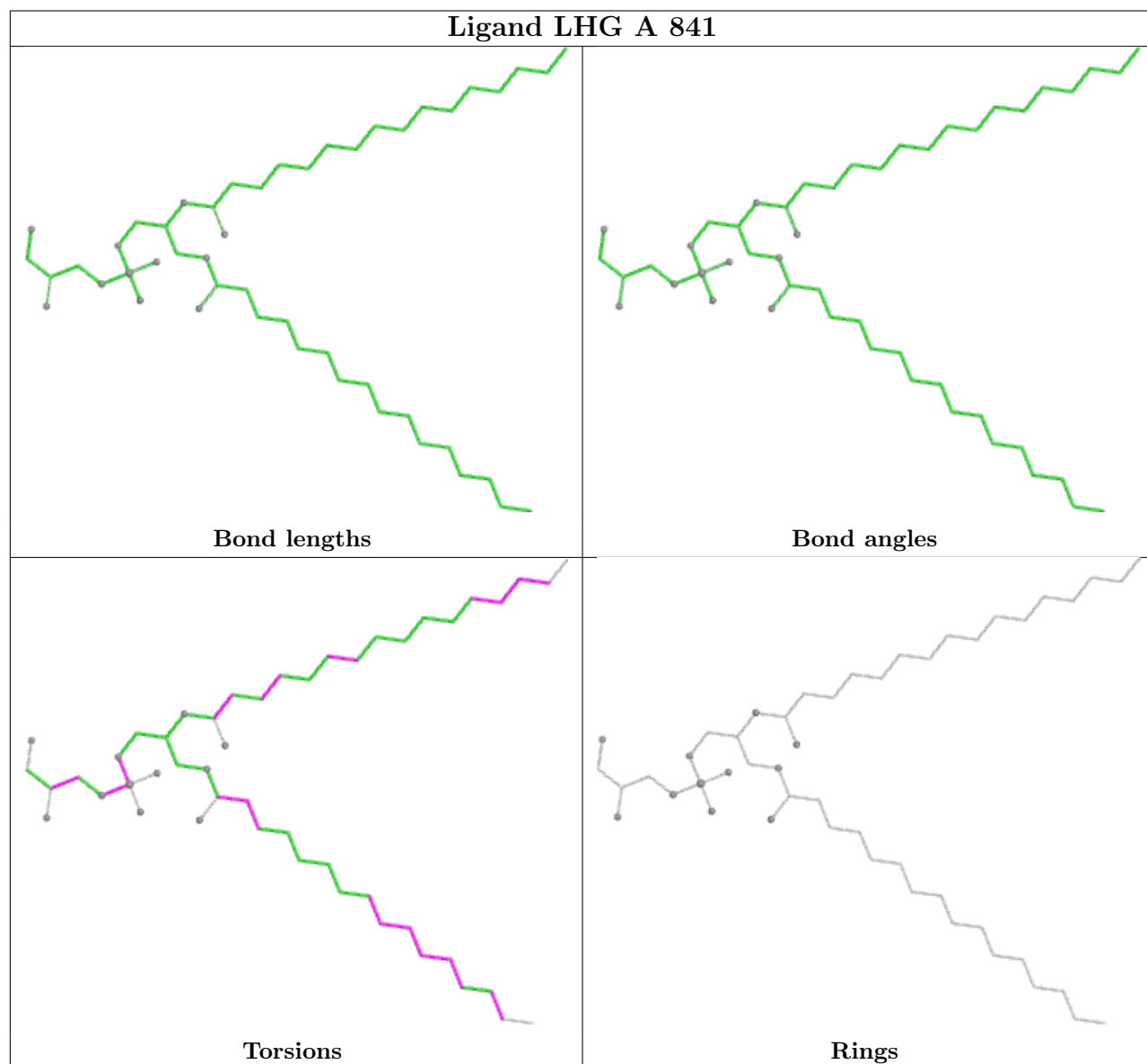
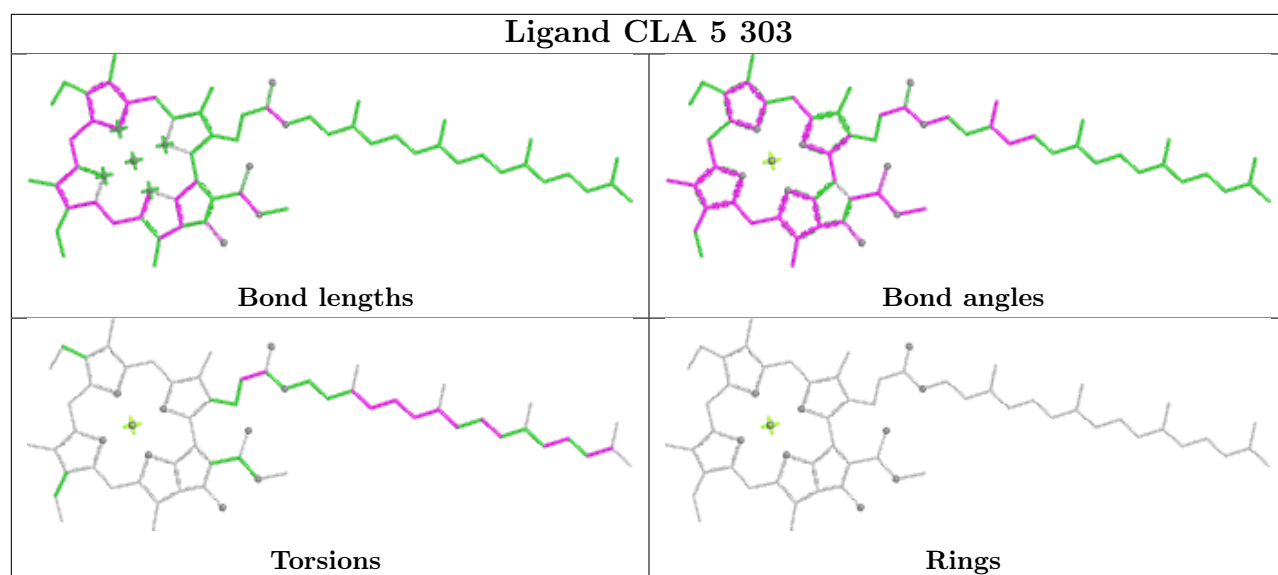


Ligand CLA 3 301

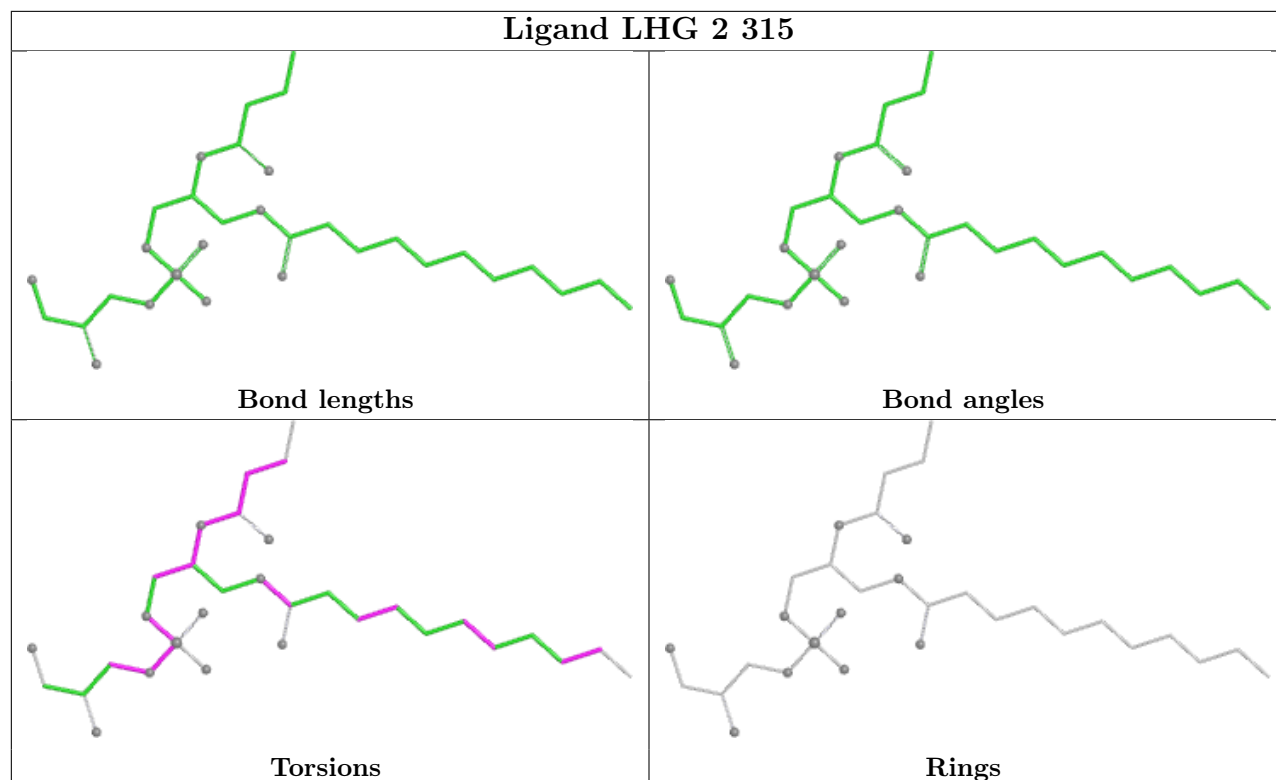


Ligand CLA A 813

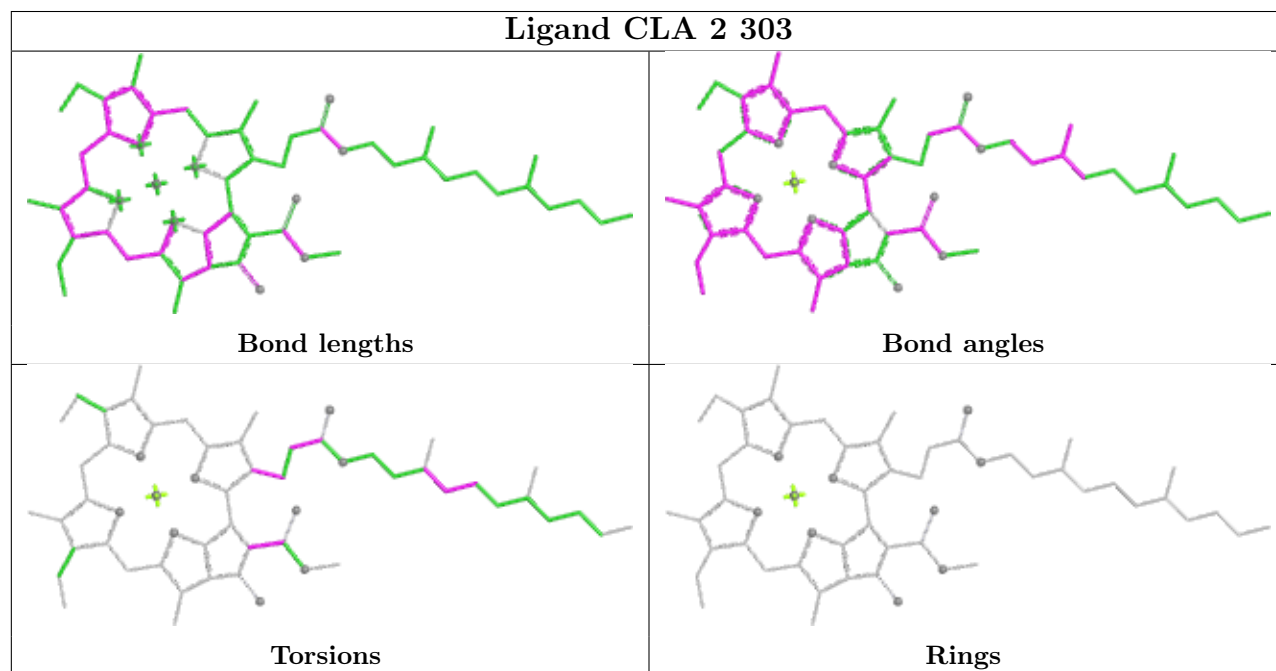




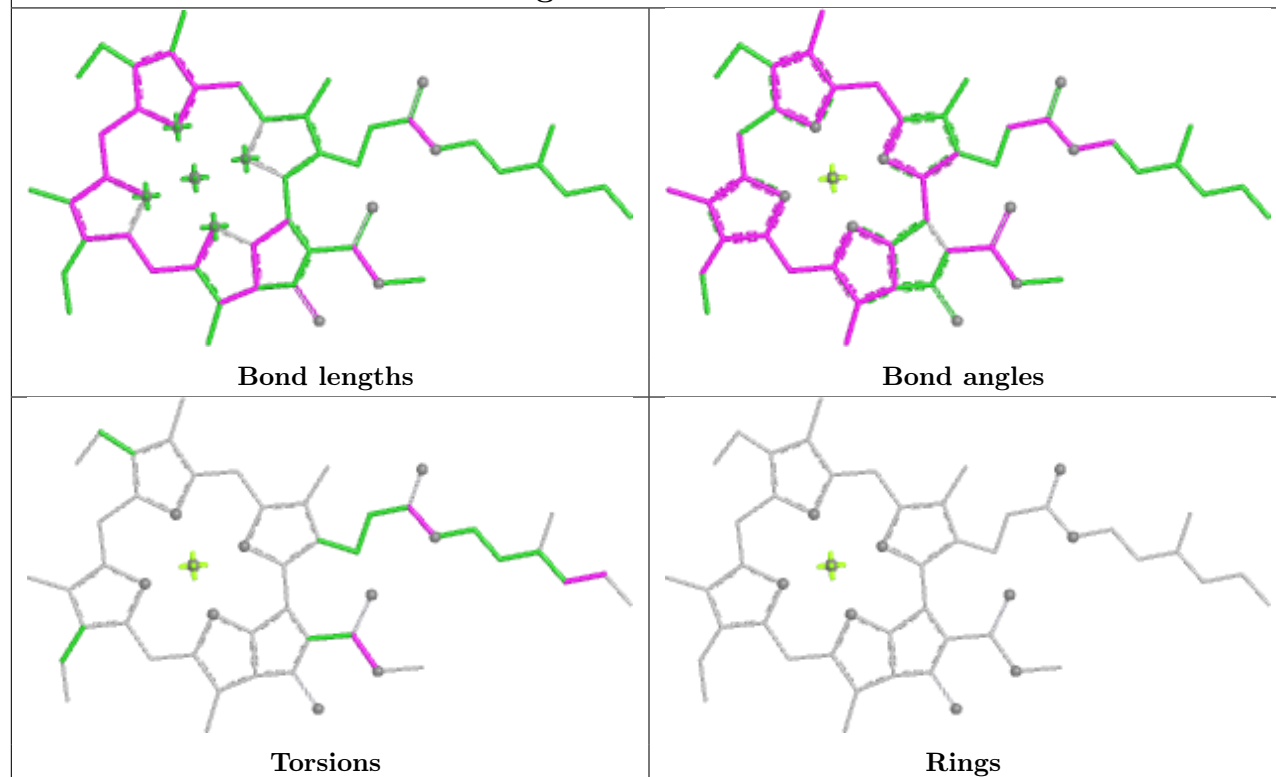
Ligand LHG 2 315



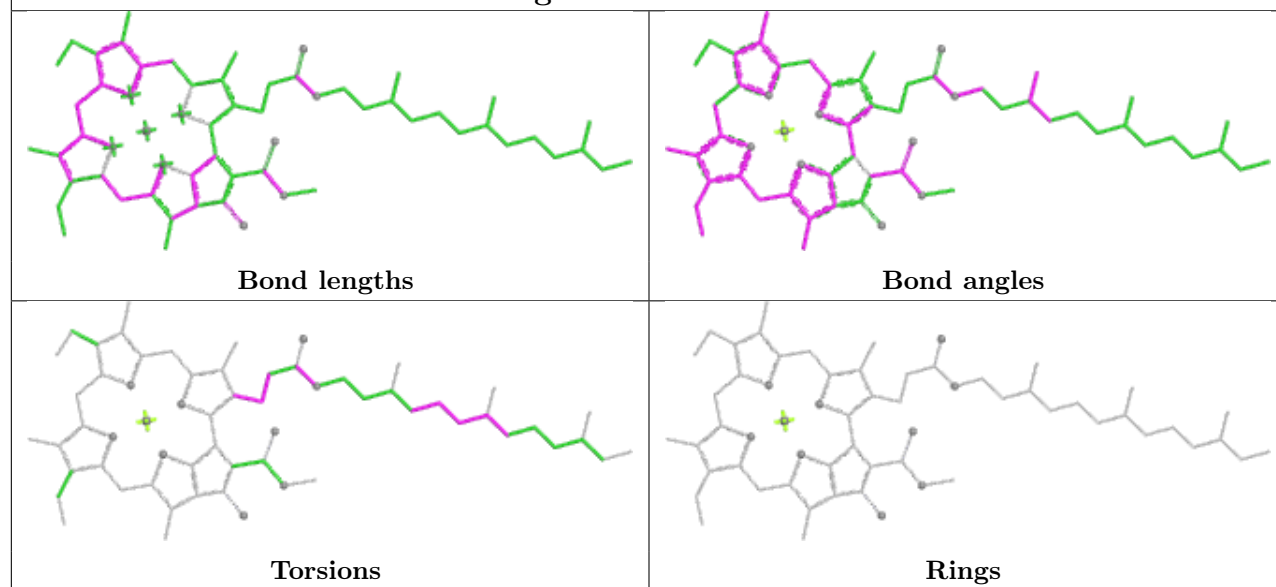
Ligand CLA 2 303

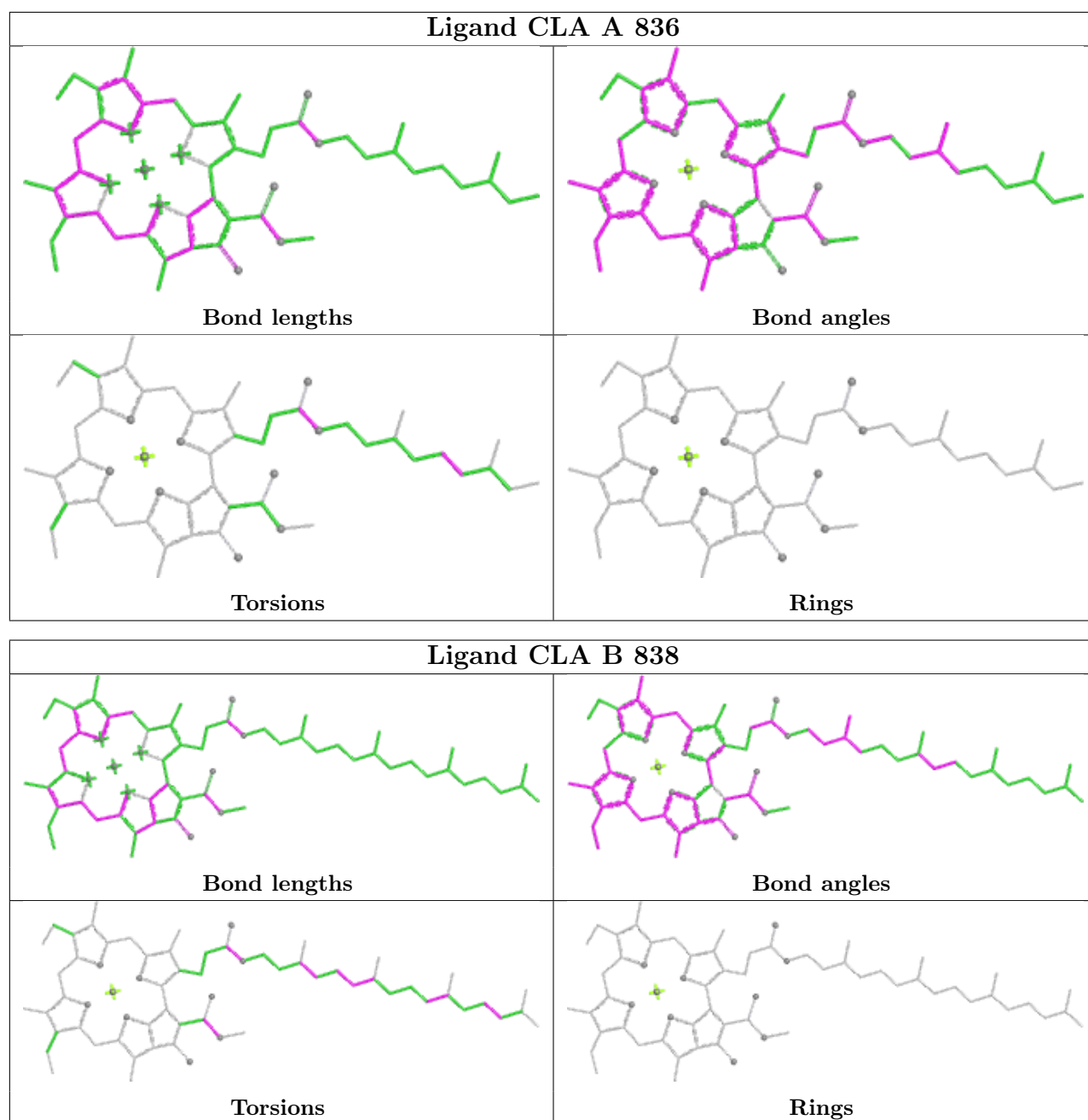


Ligand CLA 5 310

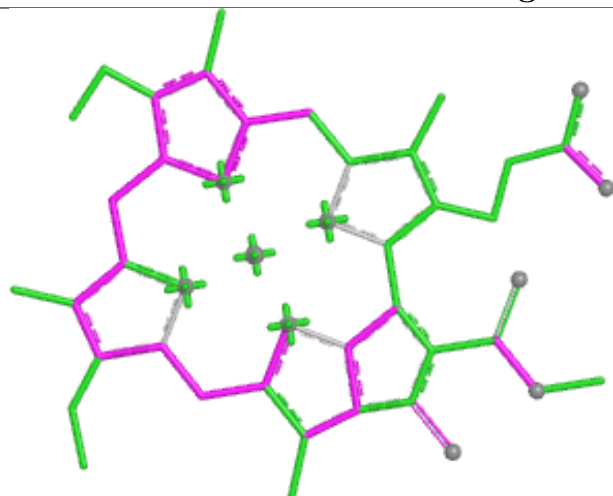


Ligand CLA L 204

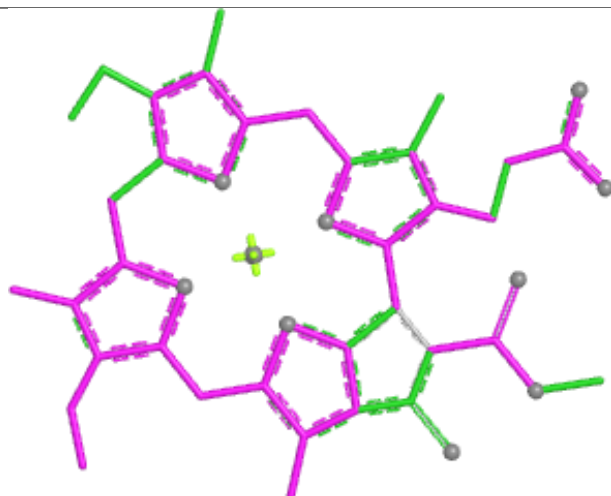




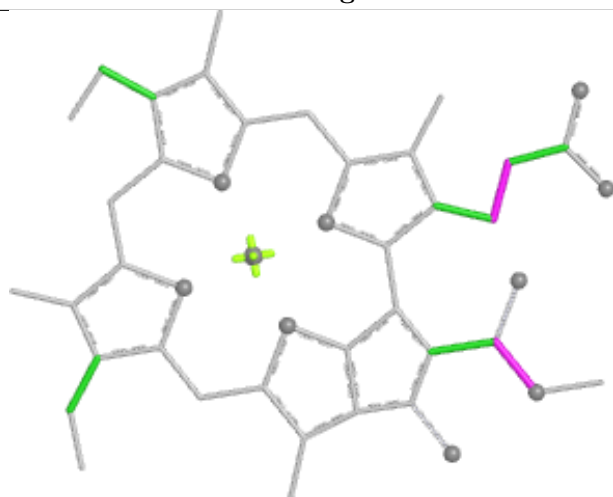
Ligand CLA 4 312



Bond lengths



Bond angles

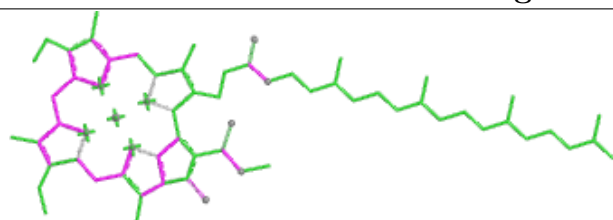


Torsions

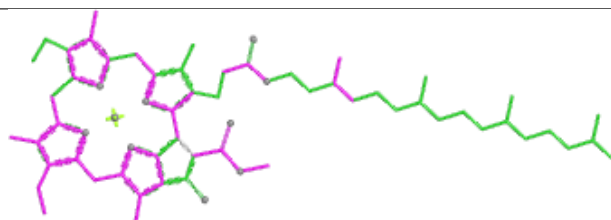


Rings

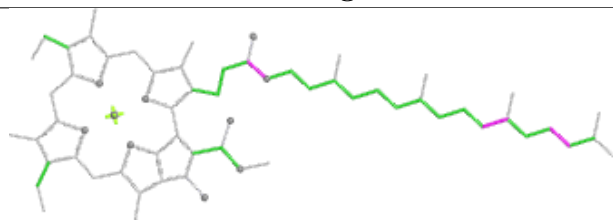
Ligand CLA B 810



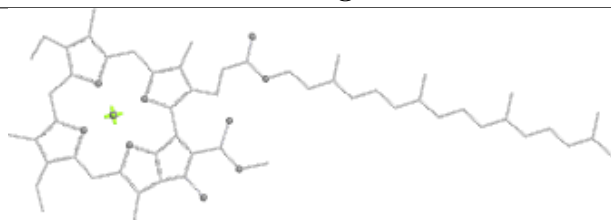
Bond lengths



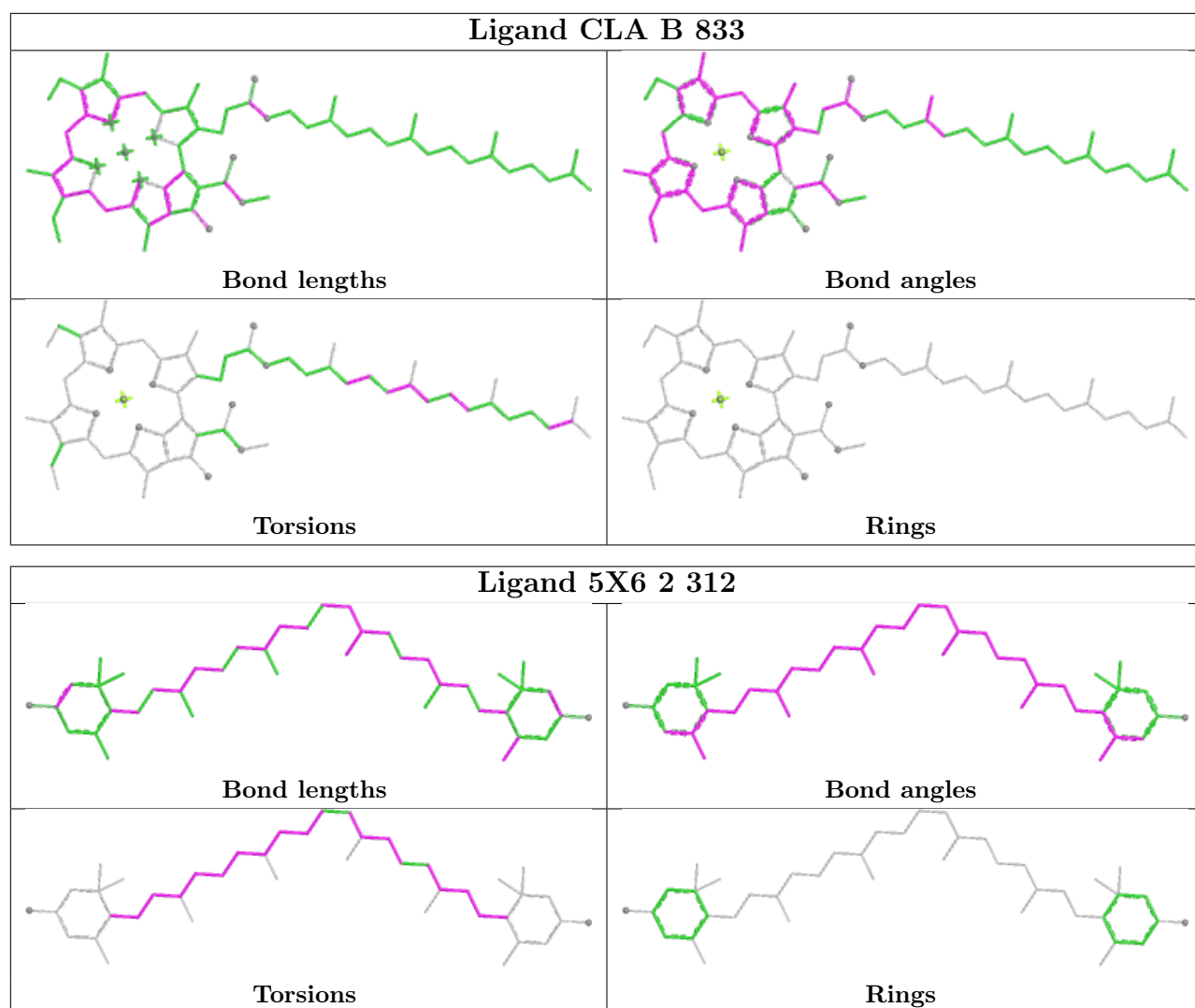
Bond angles



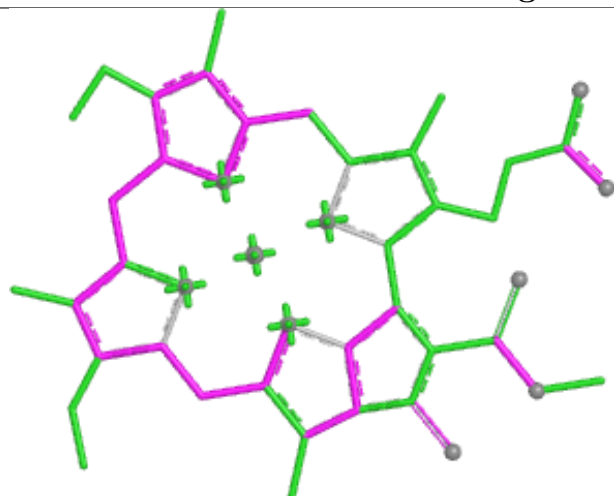
Torsions



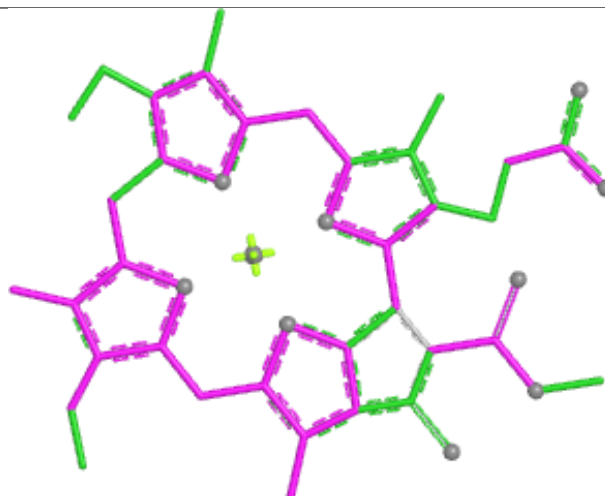
Rings



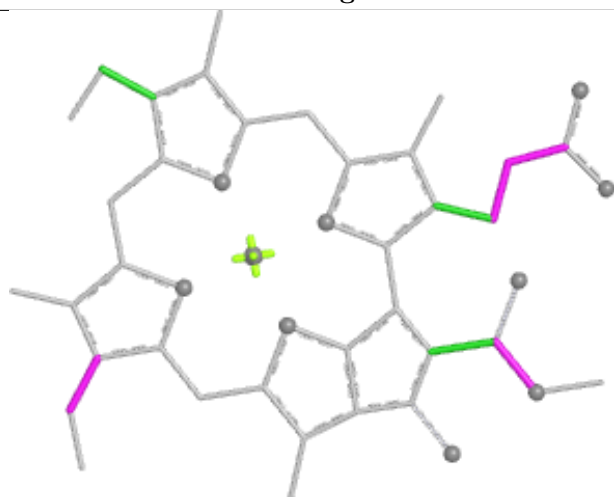
Ligand CLA 5 305



Bond lengths



Bond angles

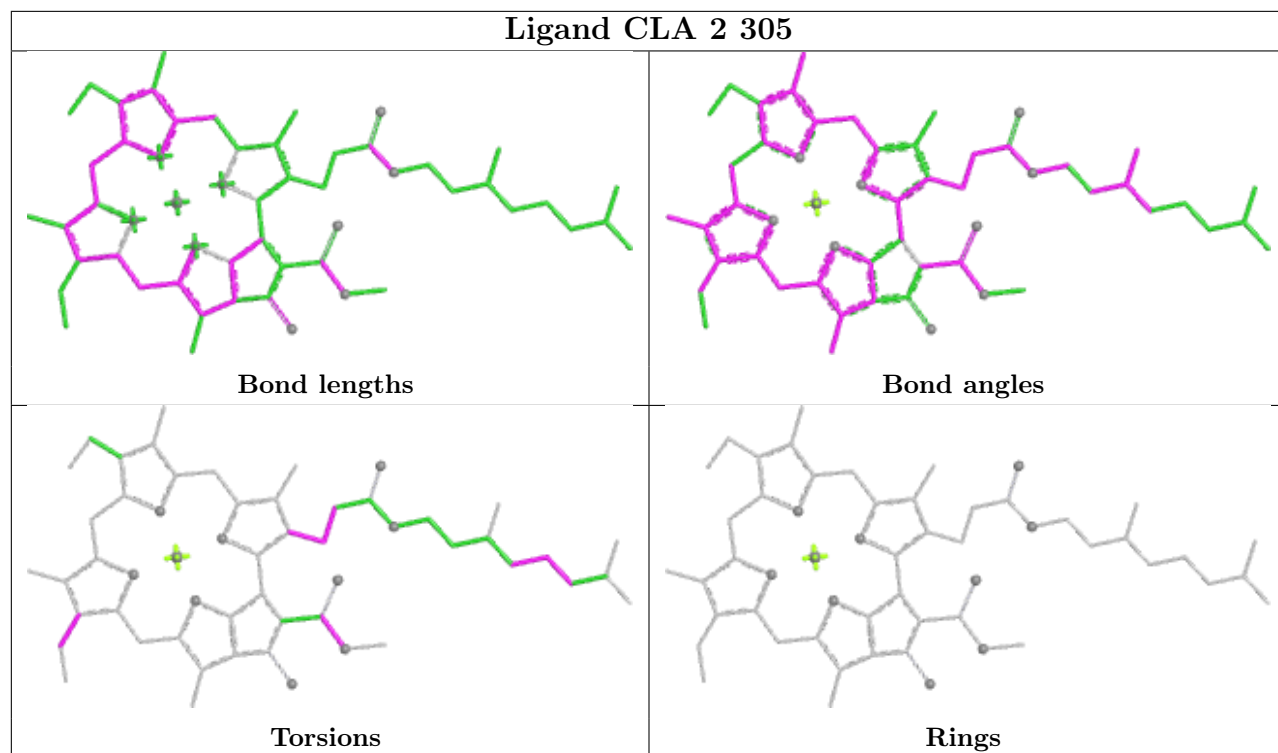


Torsions

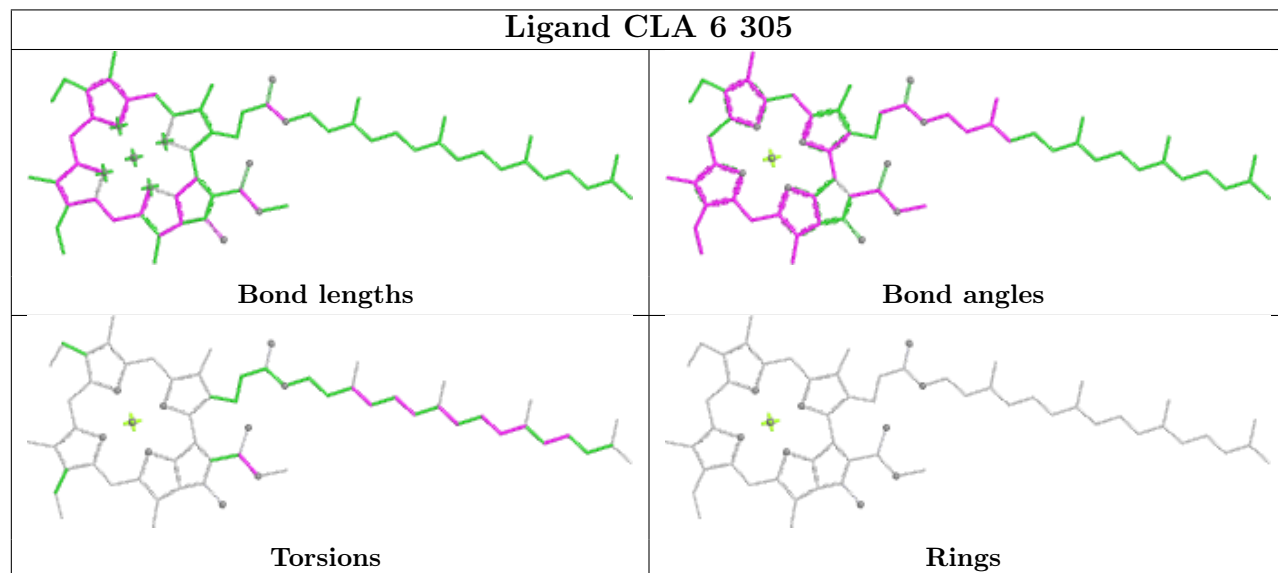


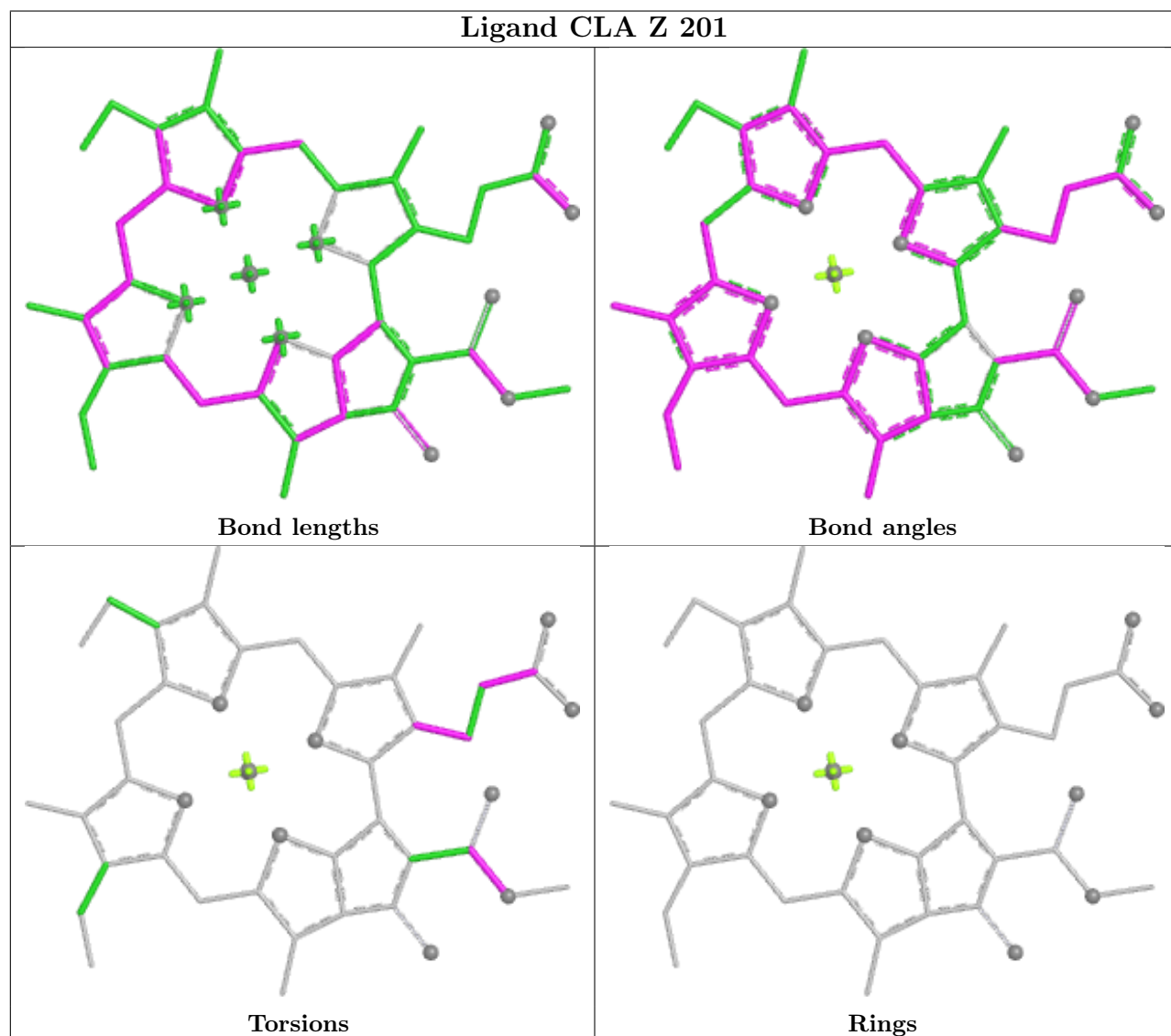
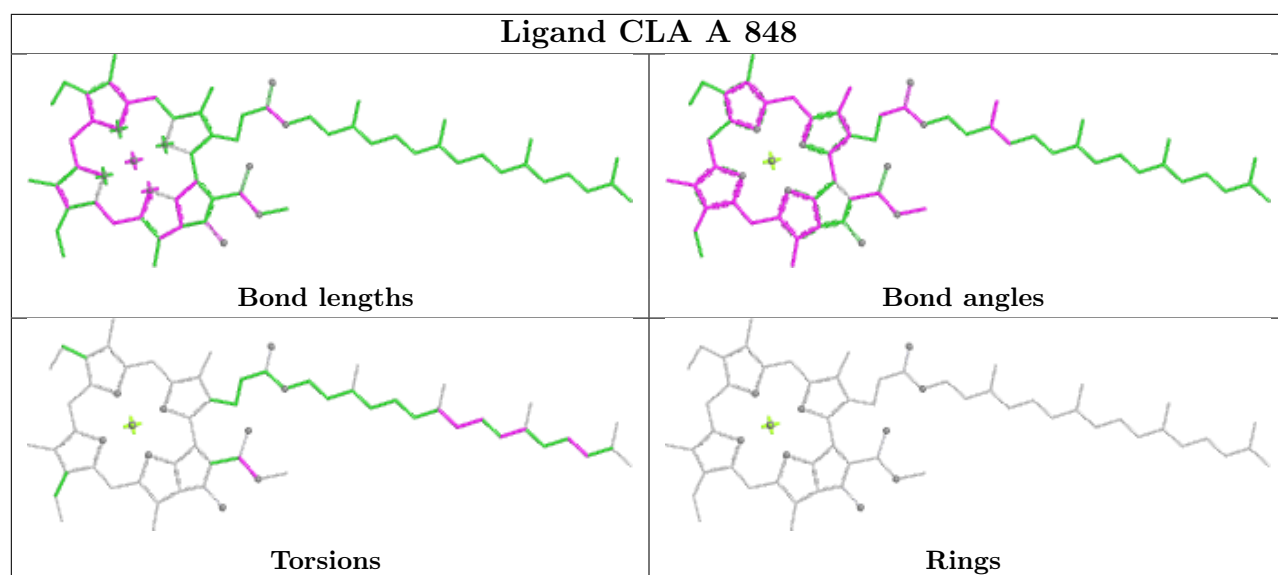
Rings

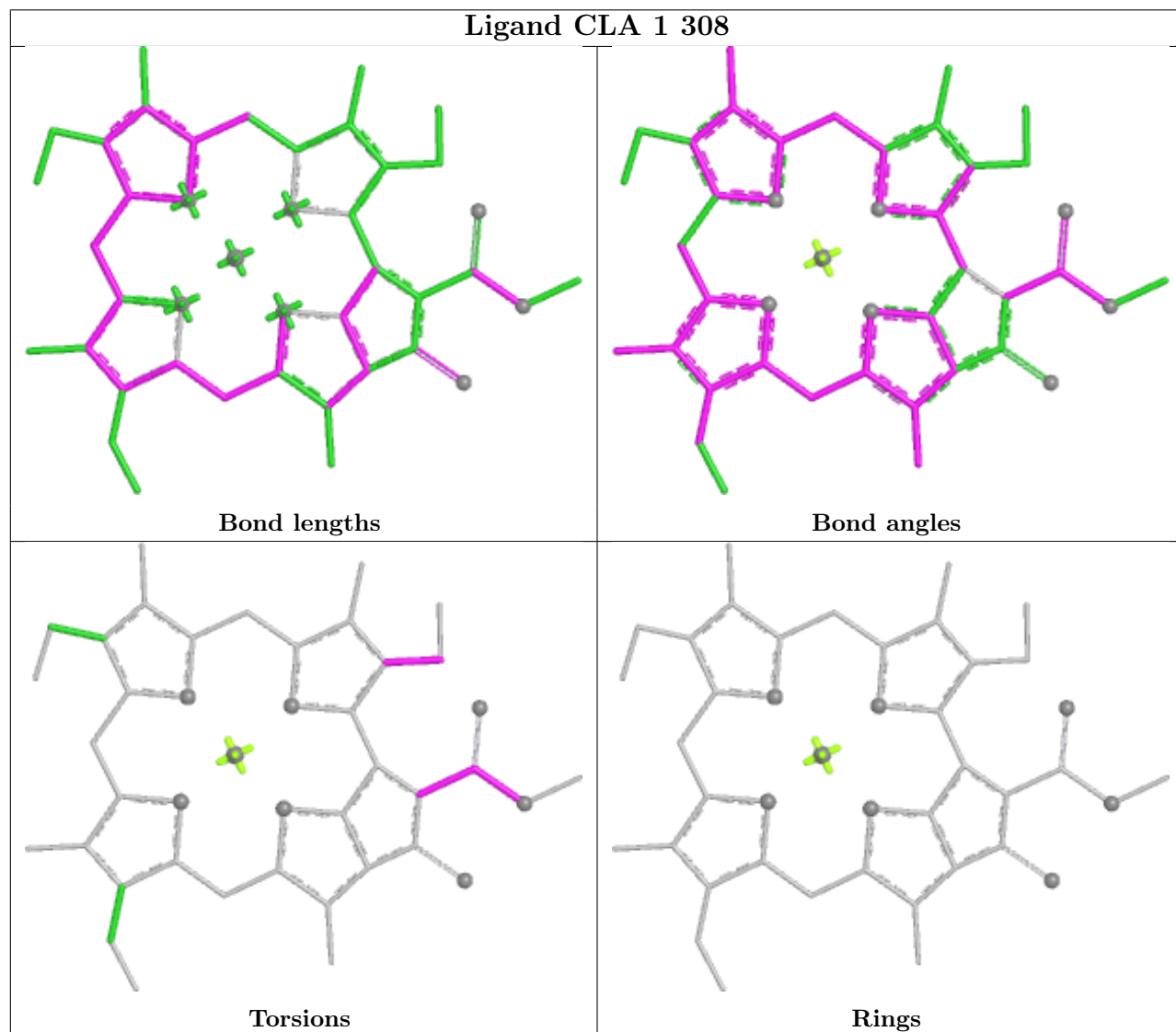
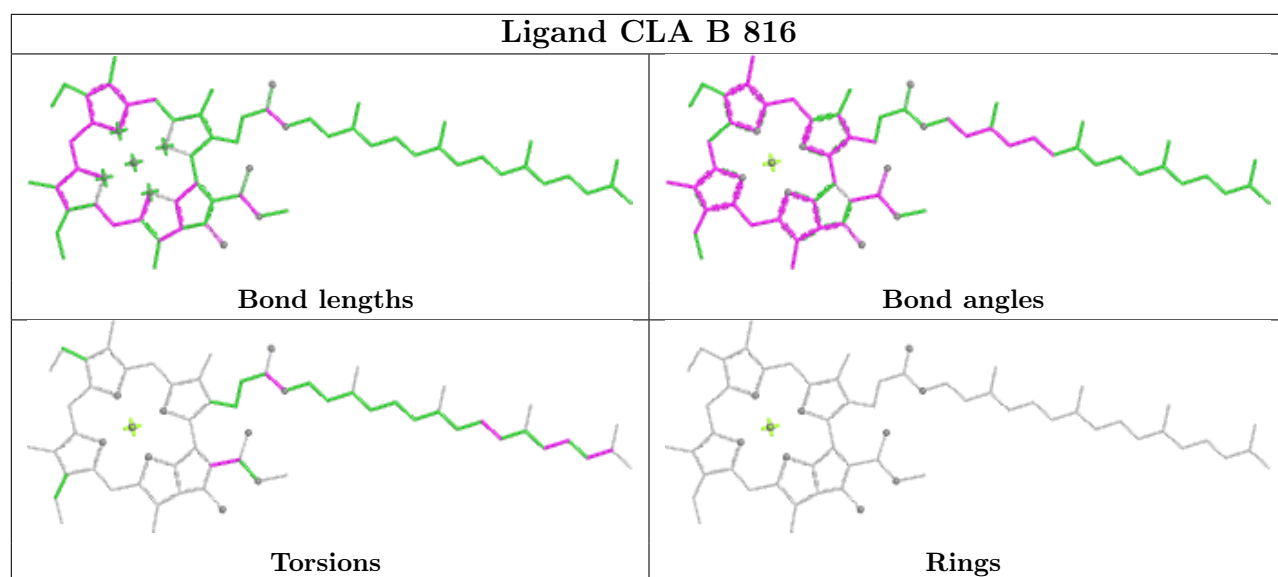
Ligand CLA 2 305



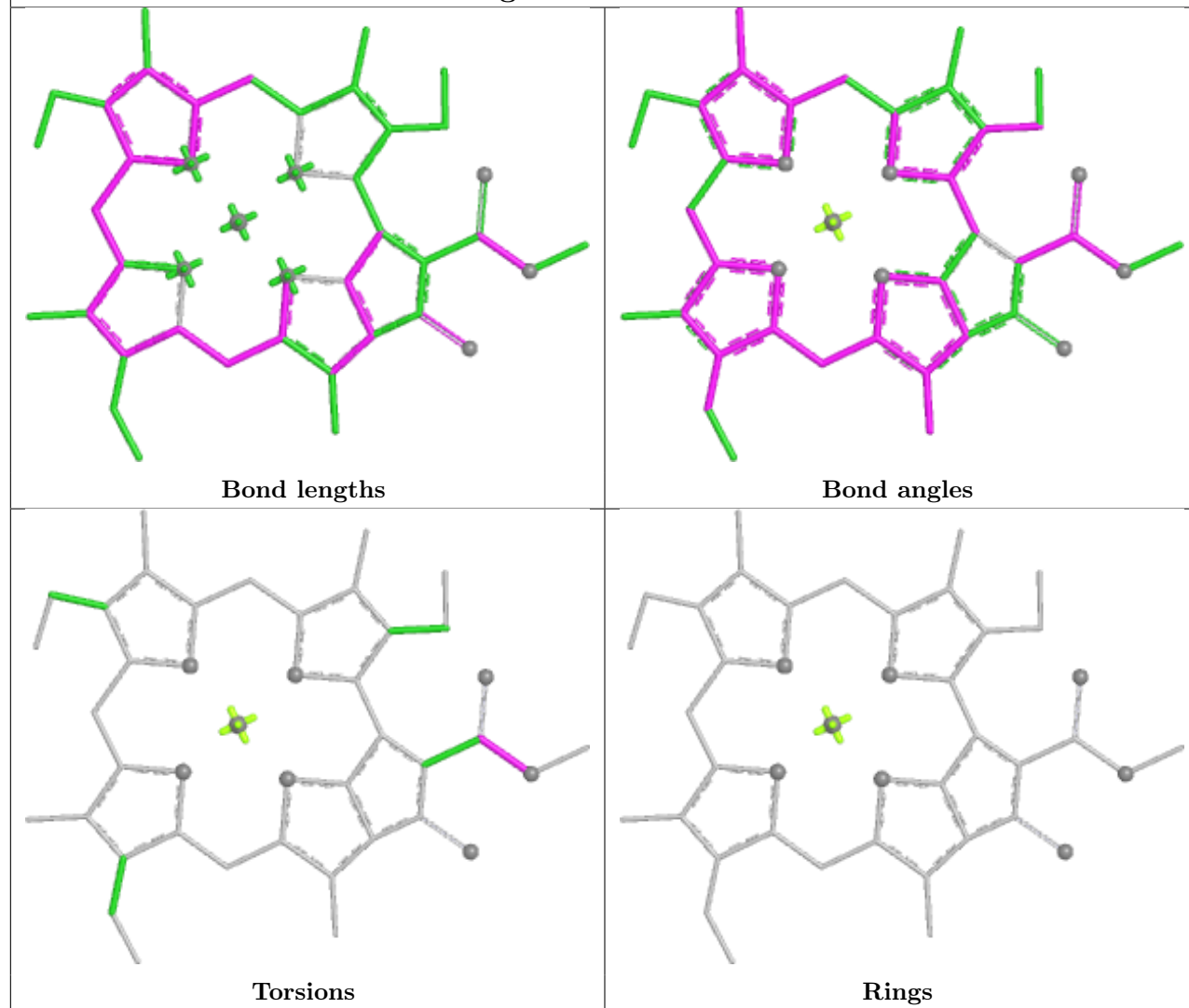
Ligand CLA 6 305



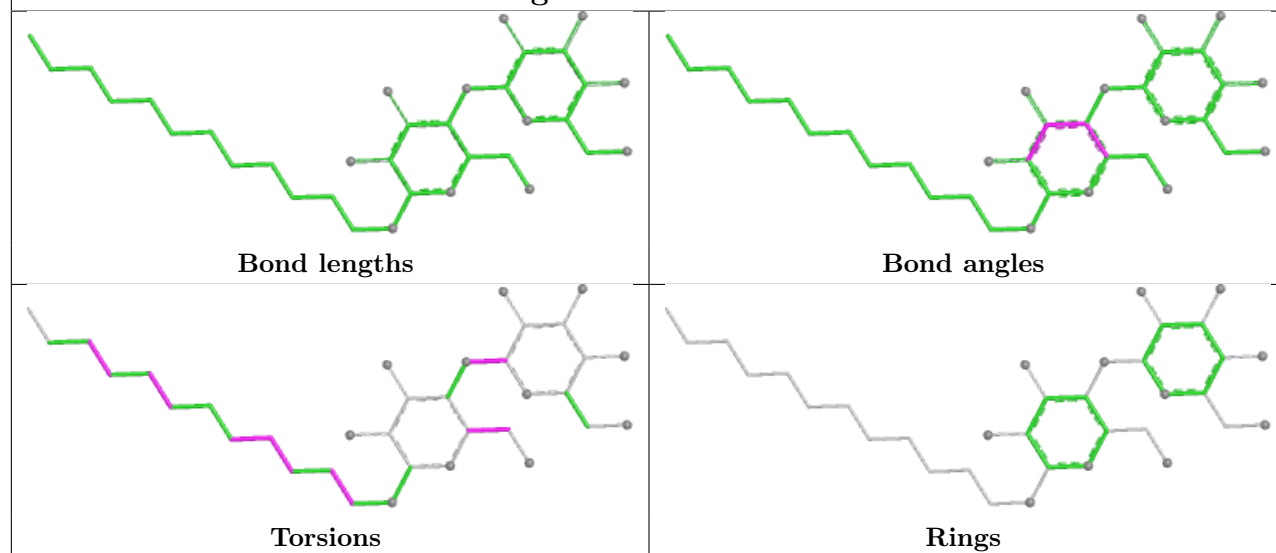




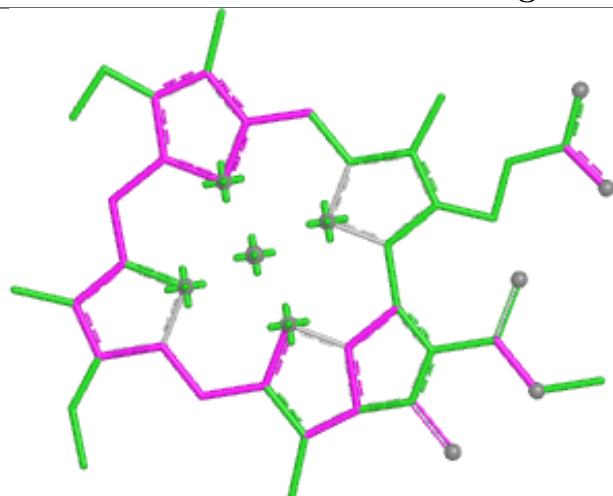
Ligand CLA 5 309



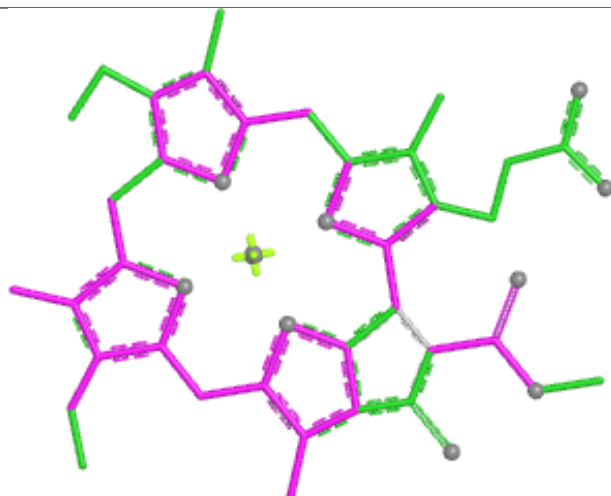
Ligand LMT F 202



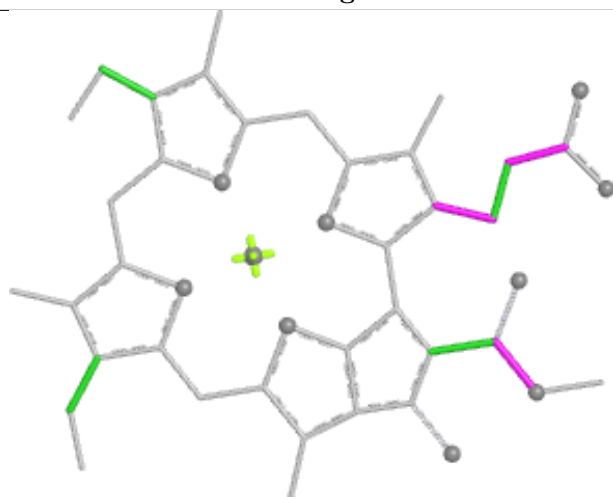
Ligand CLA 7 312



Bond lengths



Bond angles

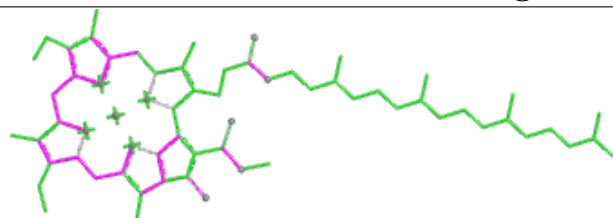


Torsions

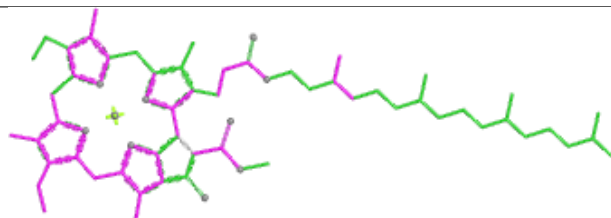


Rings

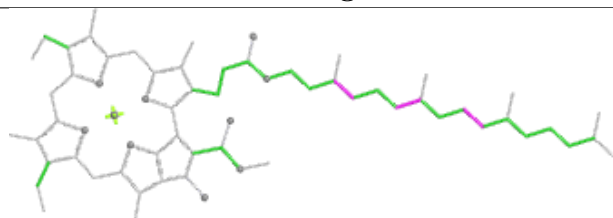
Ligand CLA A 837



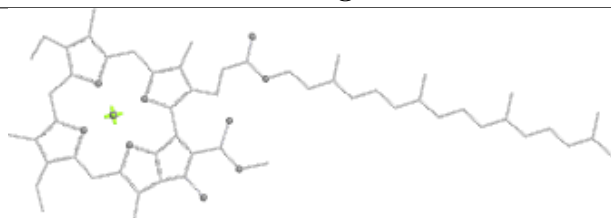
Bond lengths



Bond angles

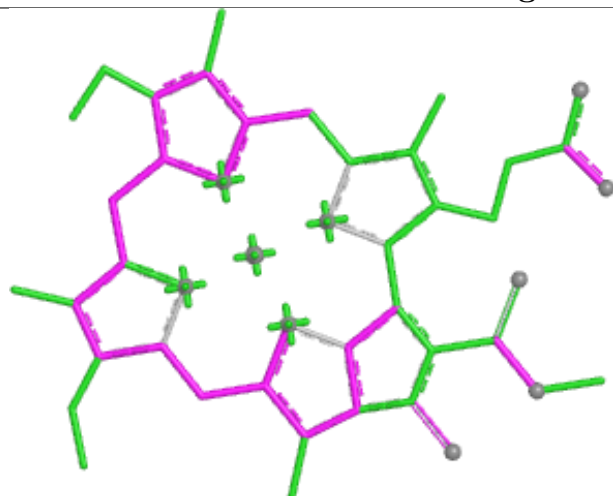


Torsions

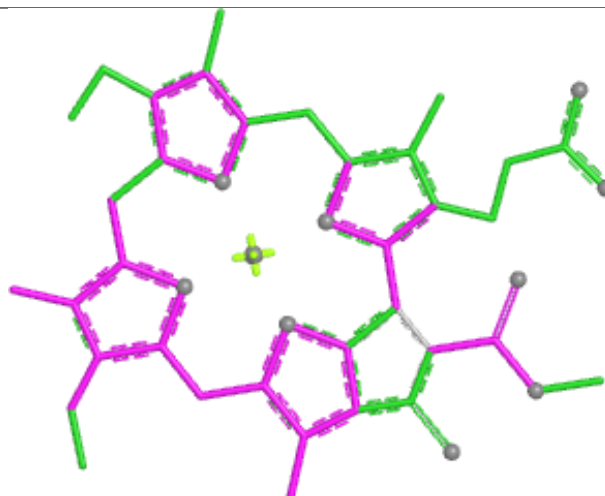


Rings

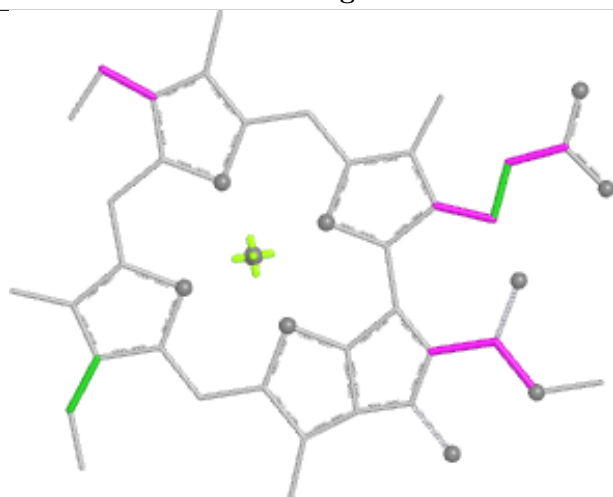
Ligand CLA 7 303



Bond lengths



Bond angles

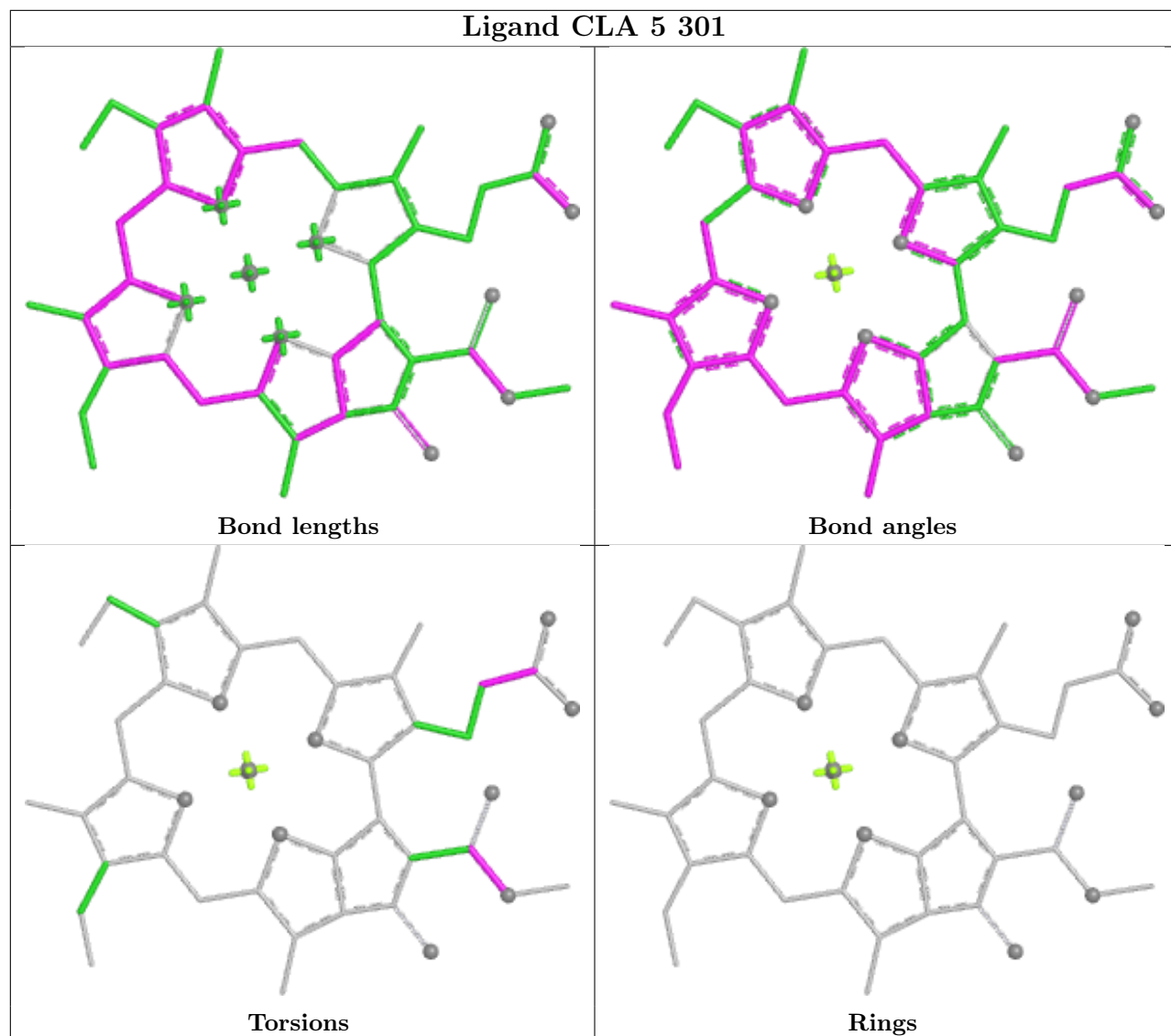


Torsions

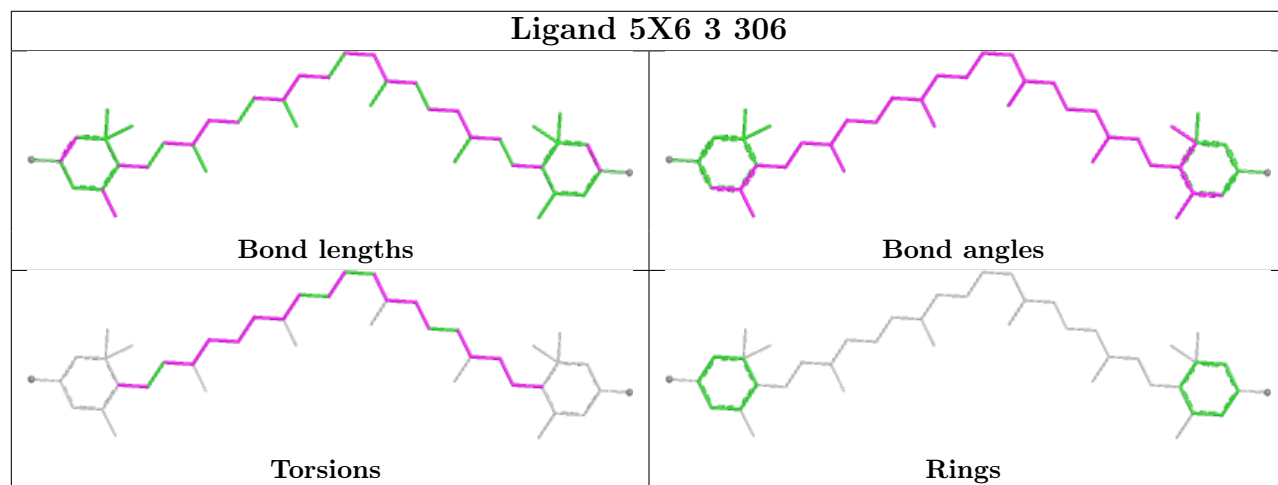


Rings

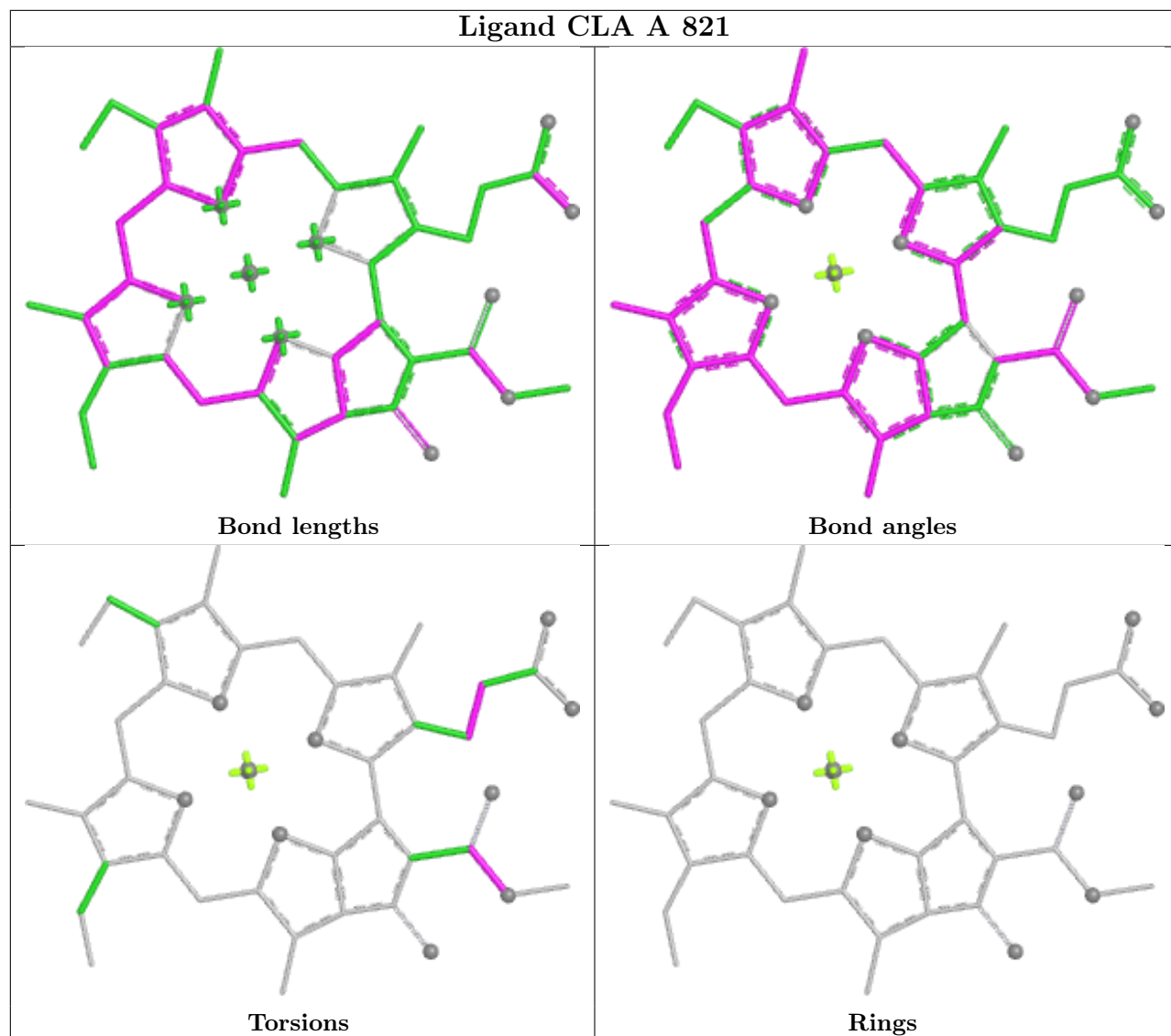
Ligand CLA 5 301



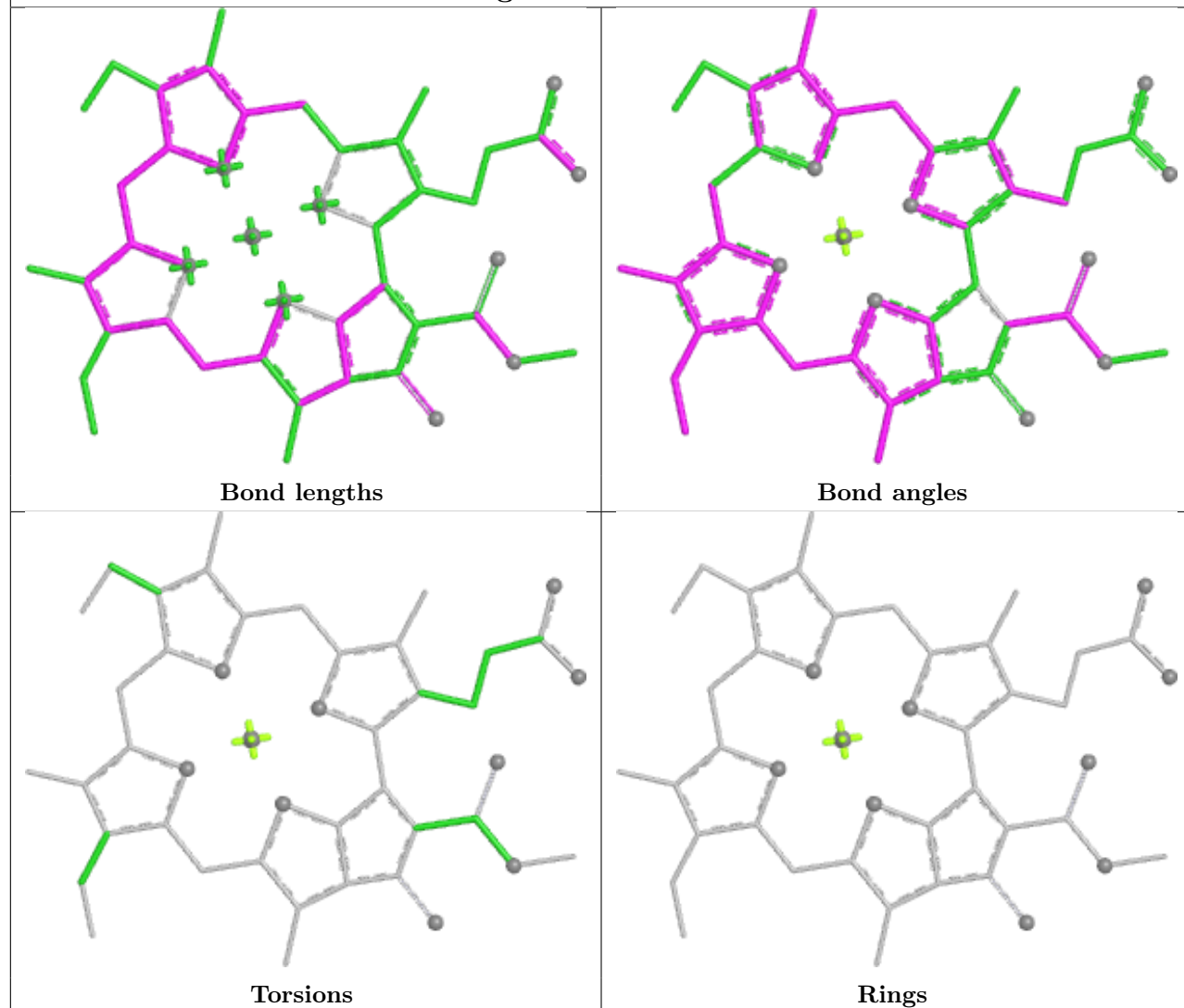
Ligand 5X6 3 306



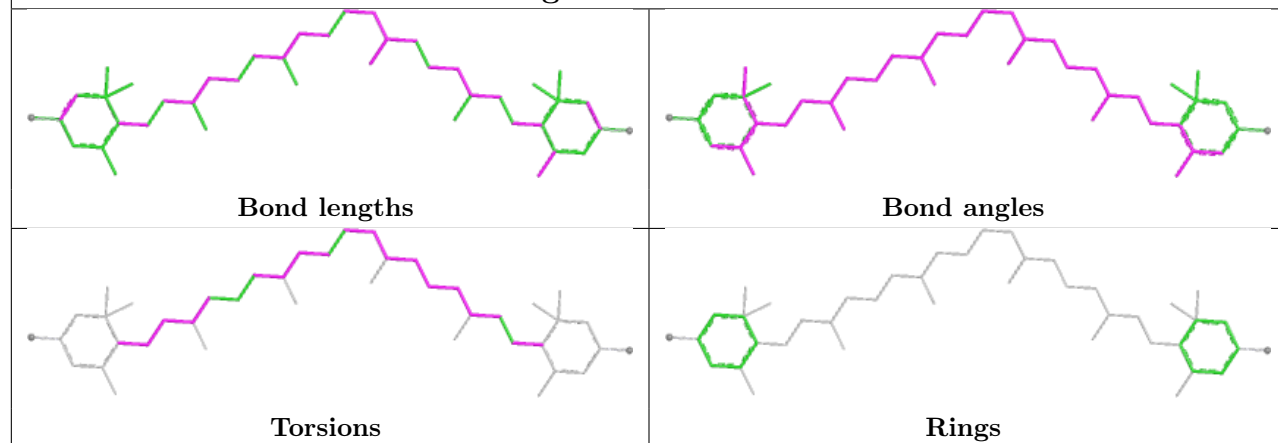
Ligand CLA A 821

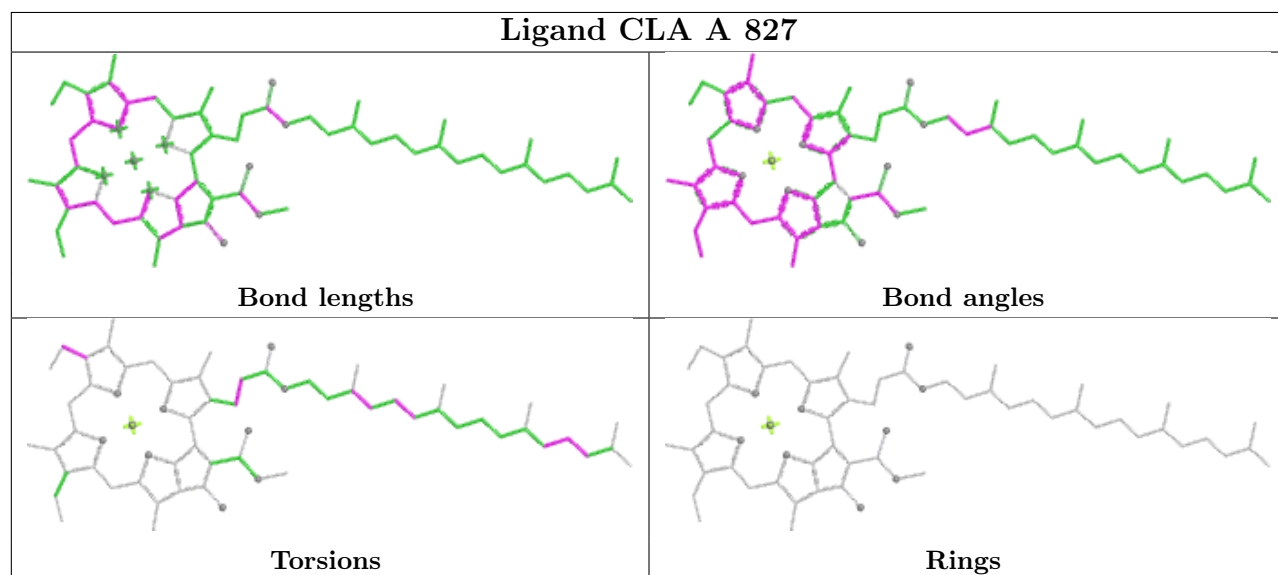
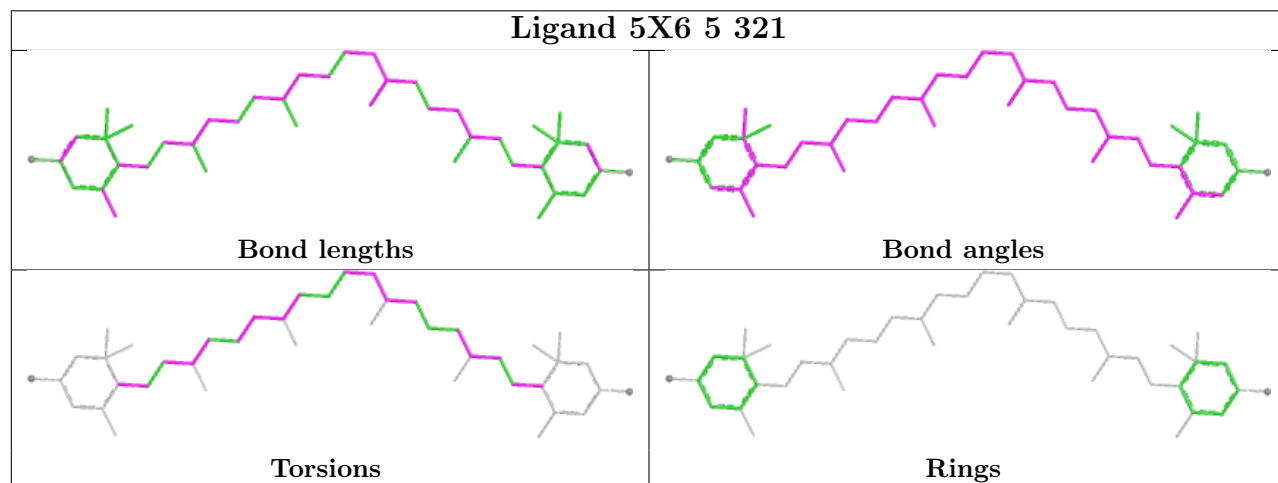
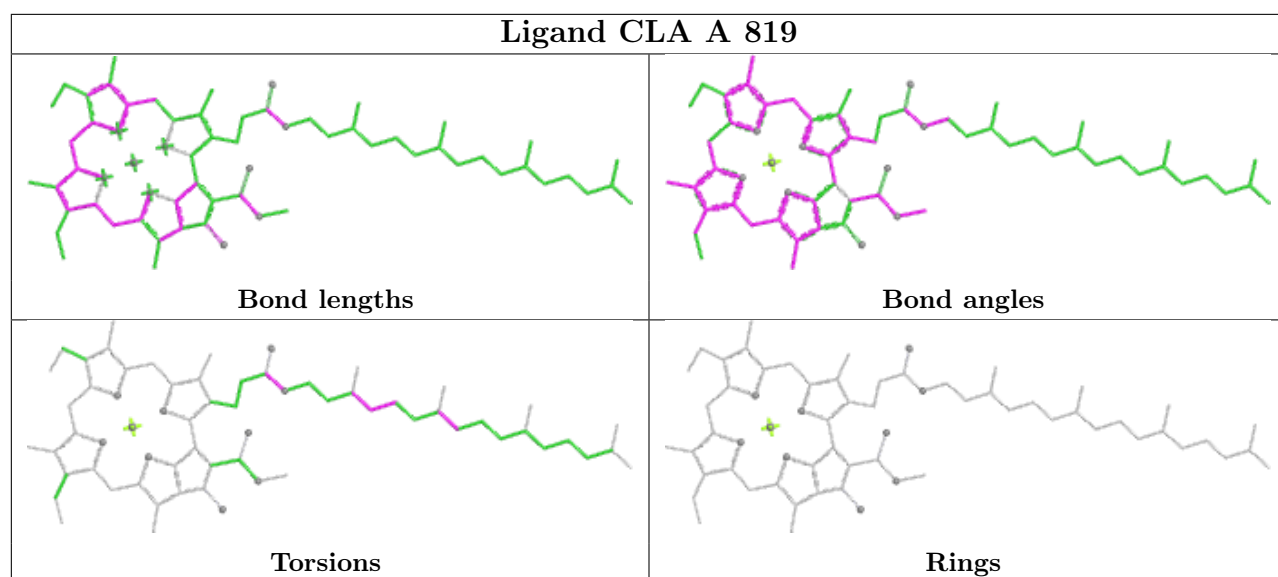


Ligand CLA 4 307

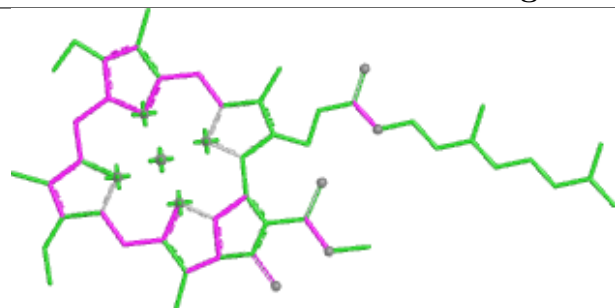


Ligand 5X6 7 318

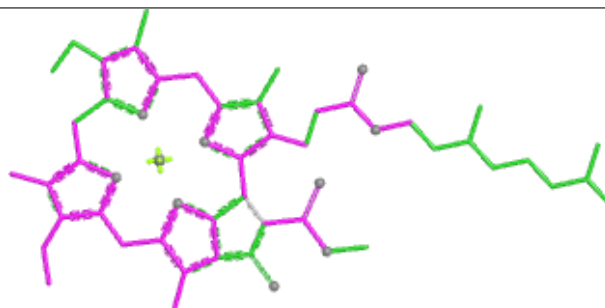




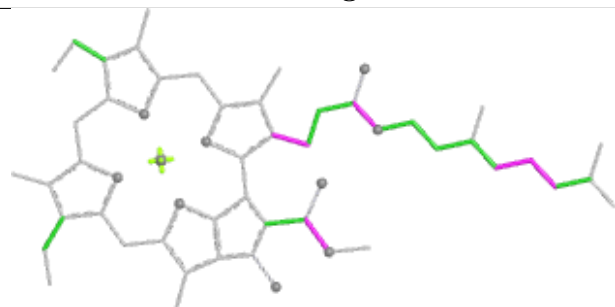
Ligand CLA 4 308



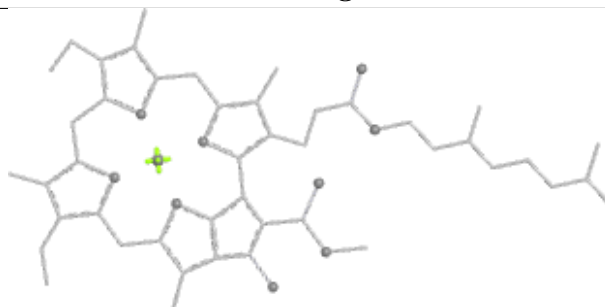
Bond lengths



Bond angles

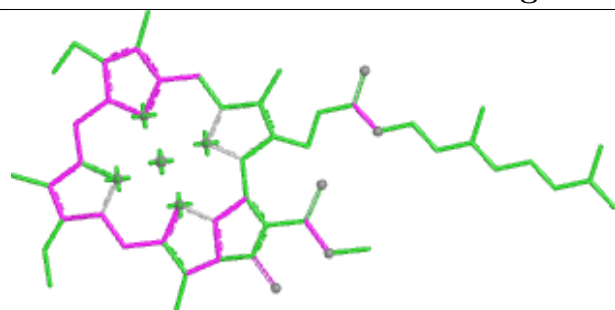


Torsions

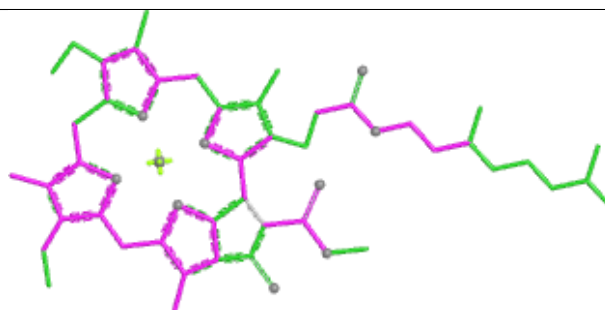


Rings

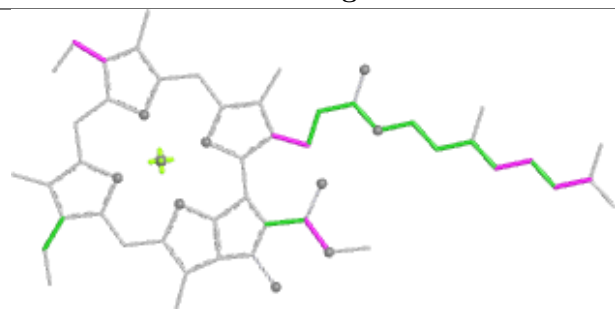
Ligand CLA 7 304



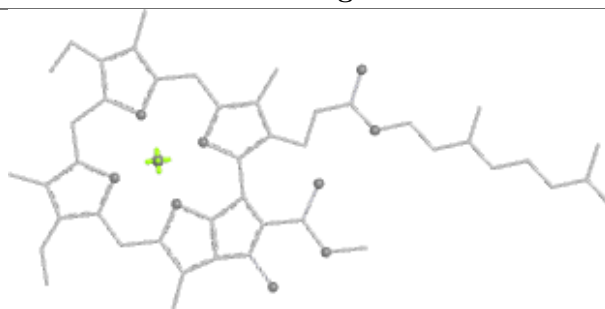
Bond lengths



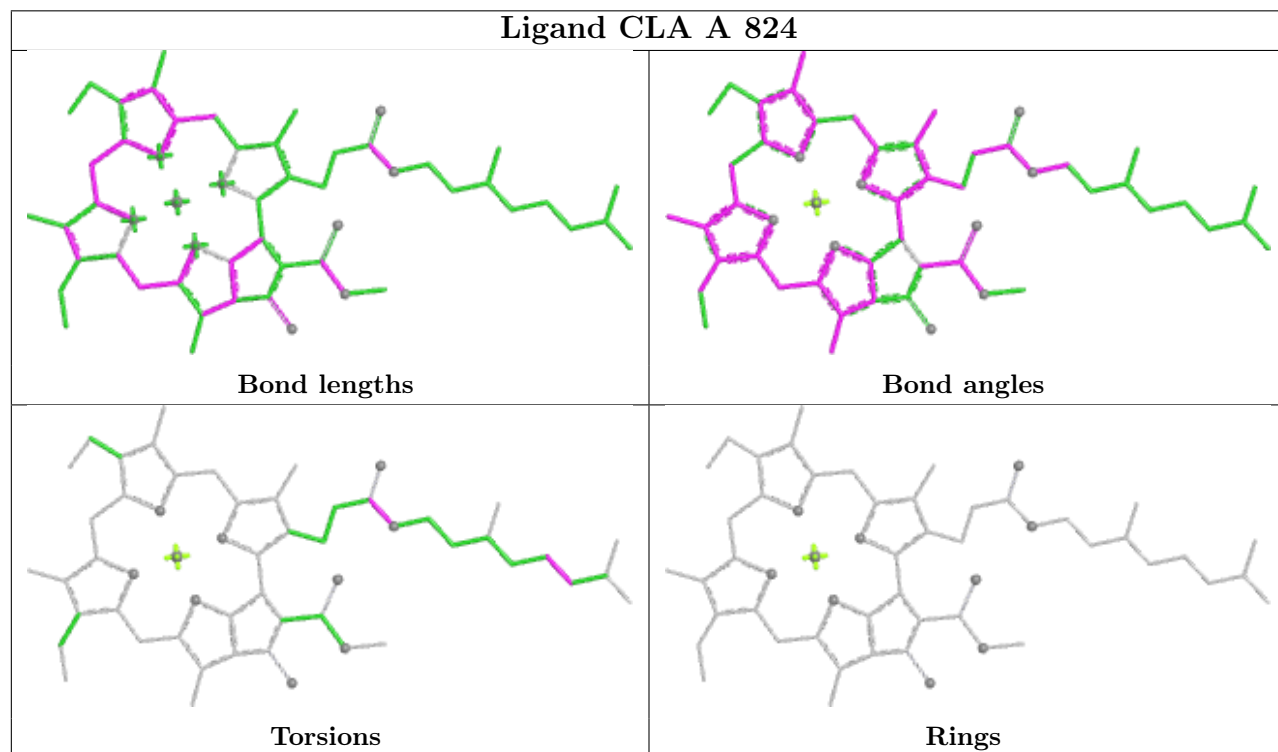
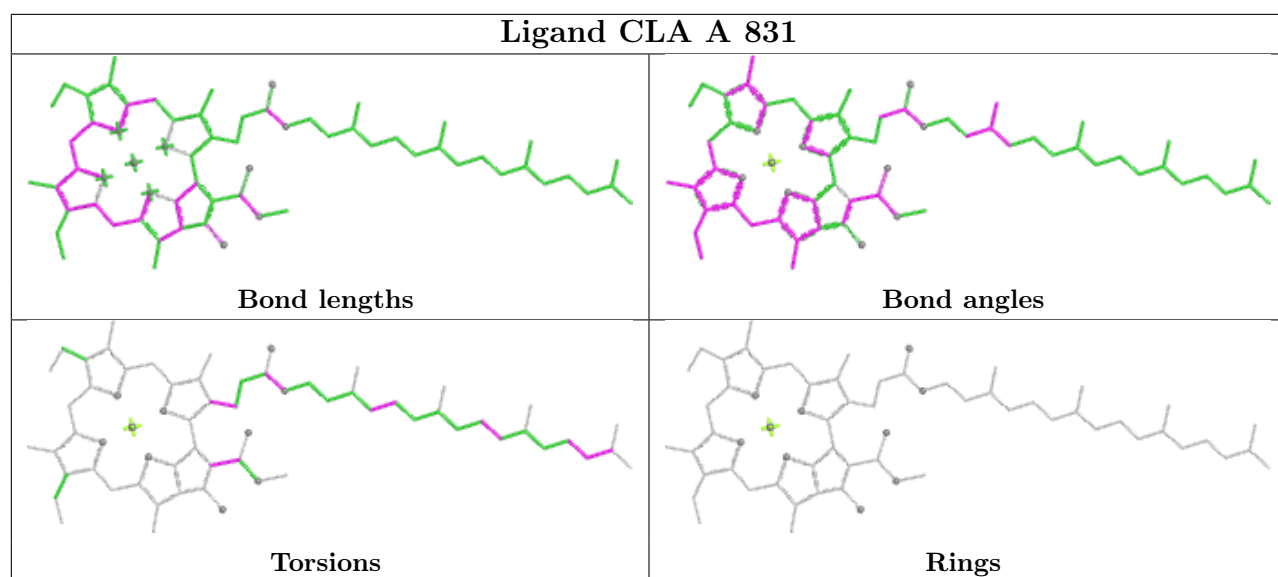
Bond angles



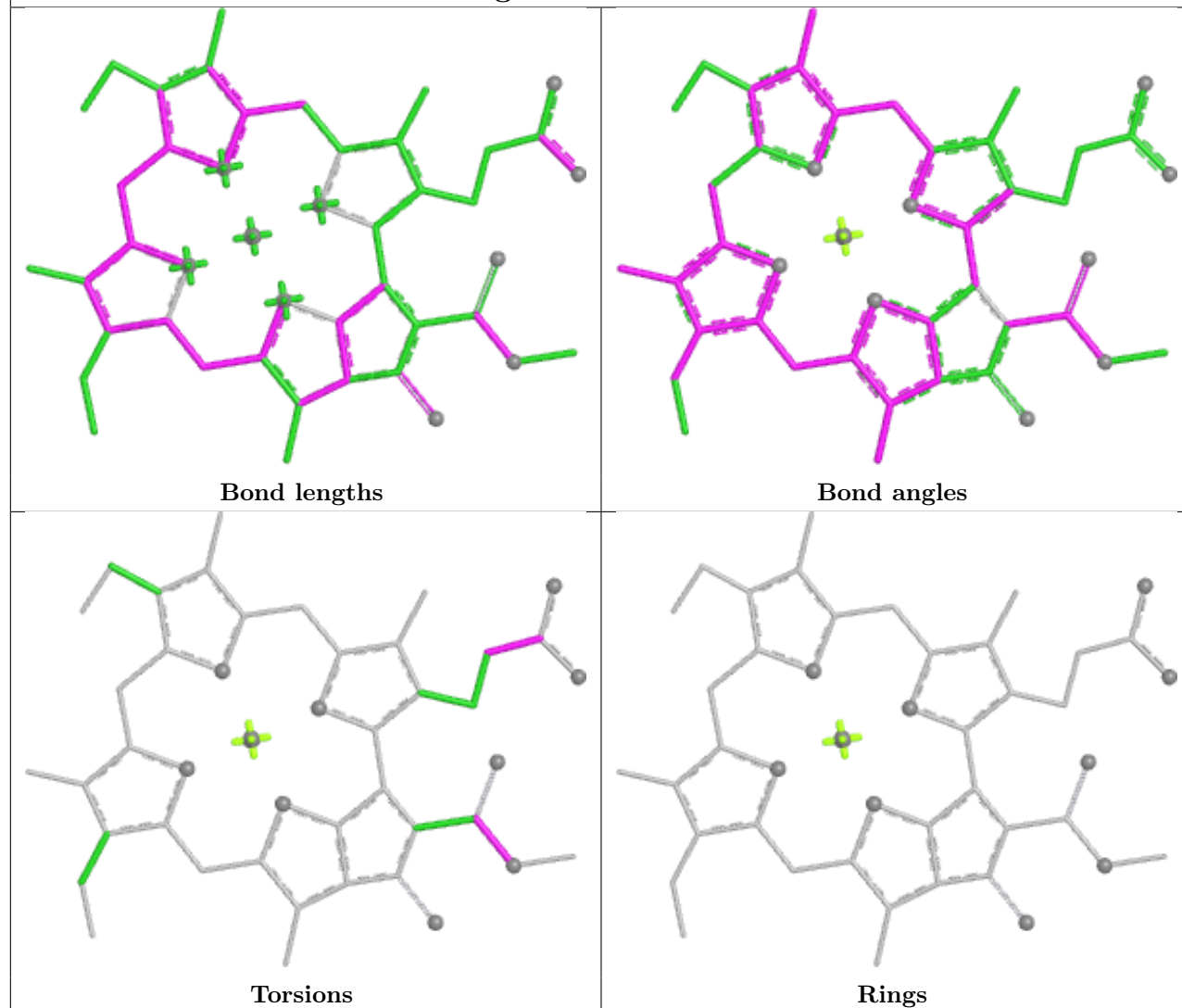
Torsions



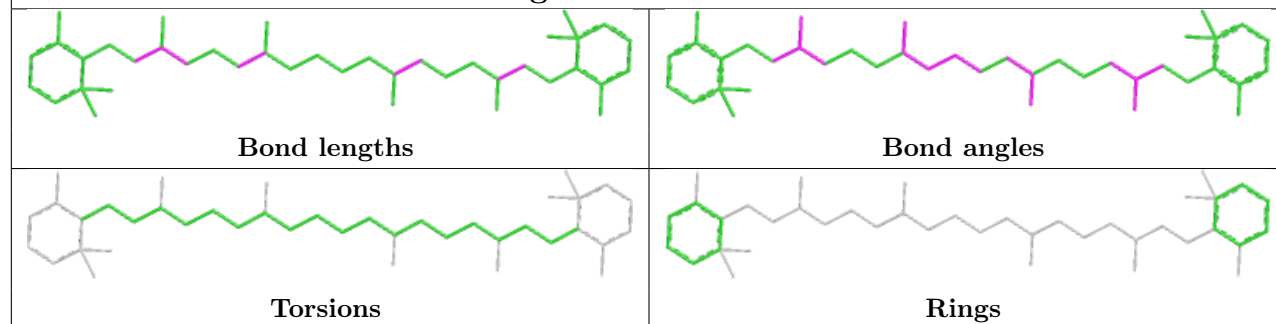
Rings



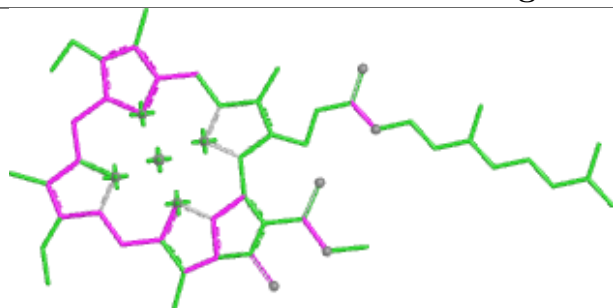
Ligand CLA L 205



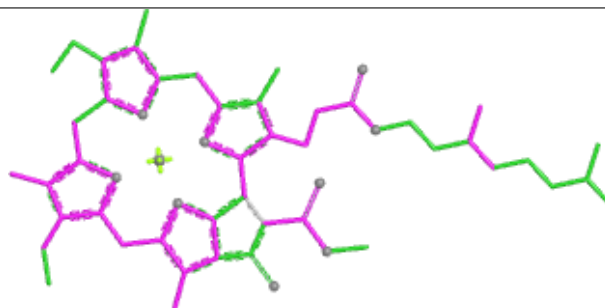
Ligand BCR A 861



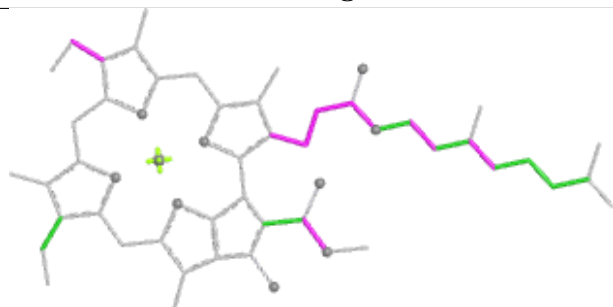
Ligand CLA 1 307



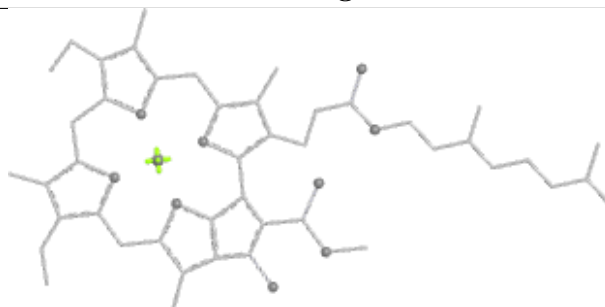
Bond lengths



Bond angles

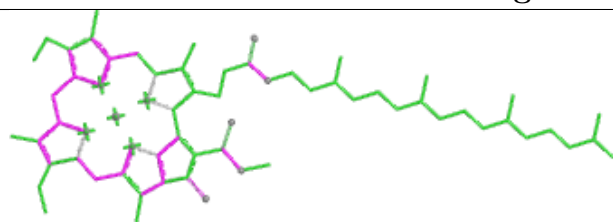


Torsions

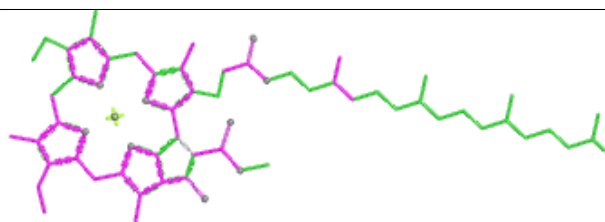


Rings

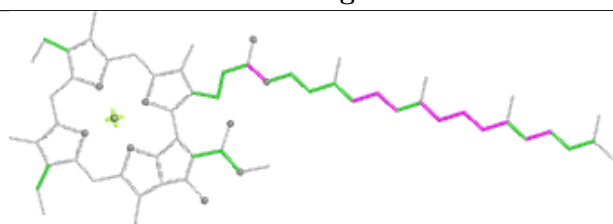
Ligand CLA A 839



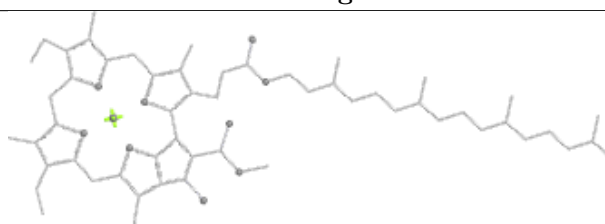
Bond lengths



Bond angles

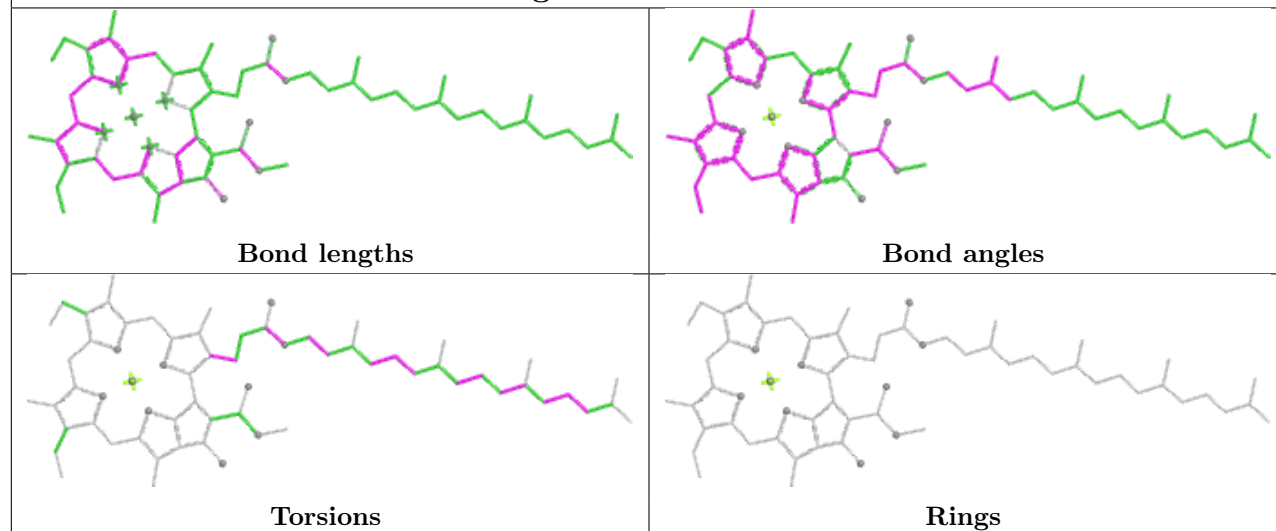


Torsions

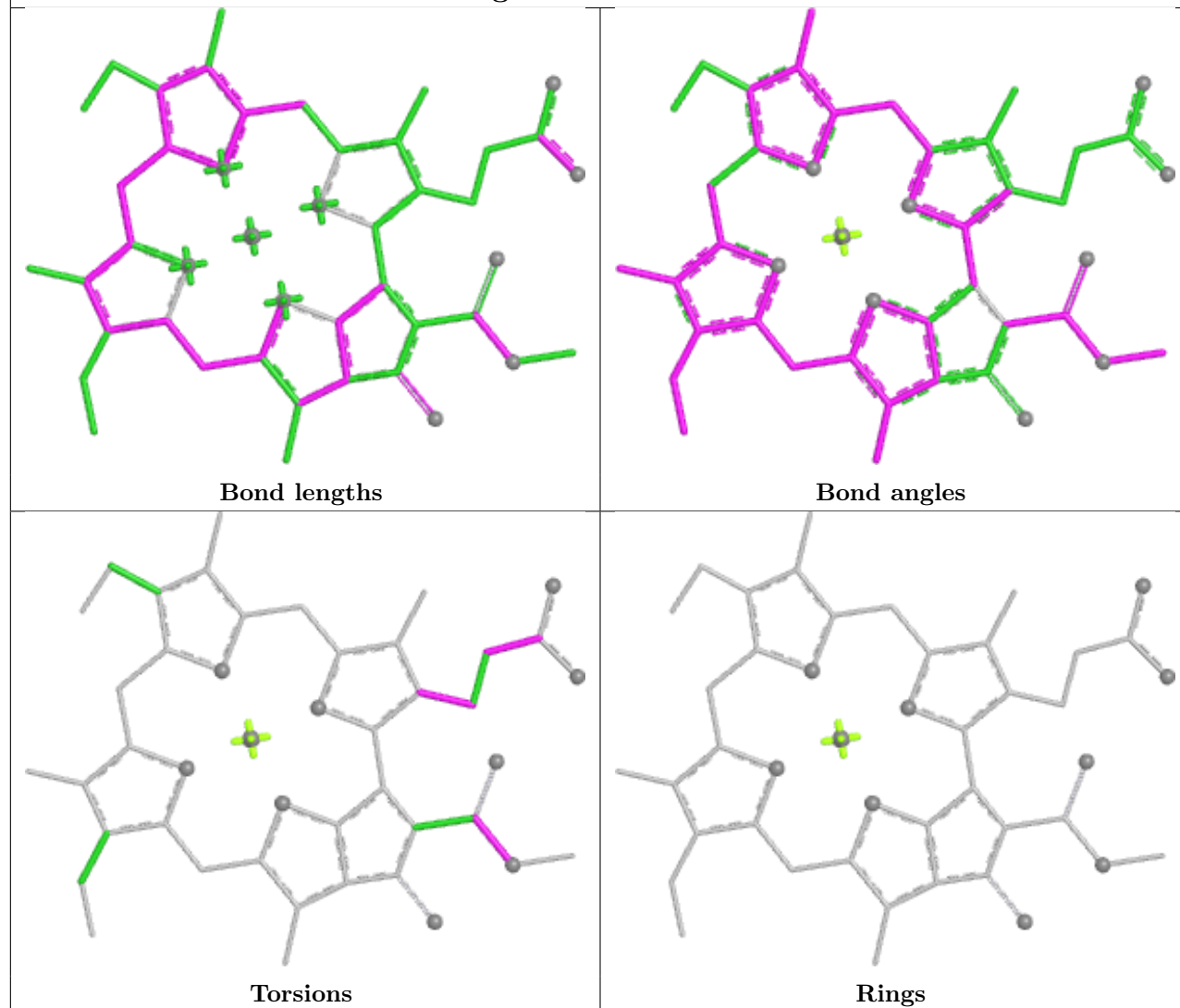


Rings

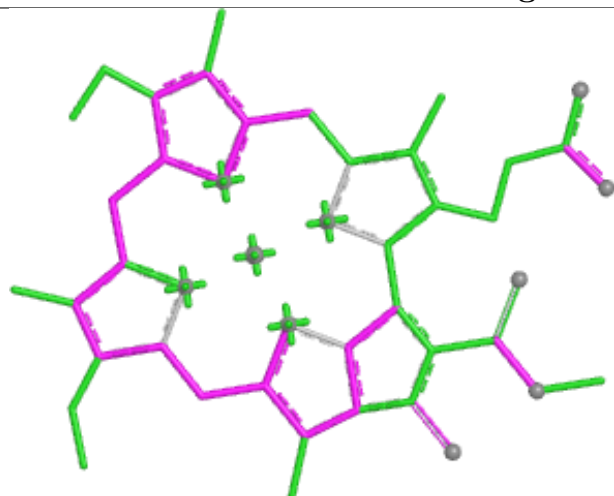
Ligand CLA B 831



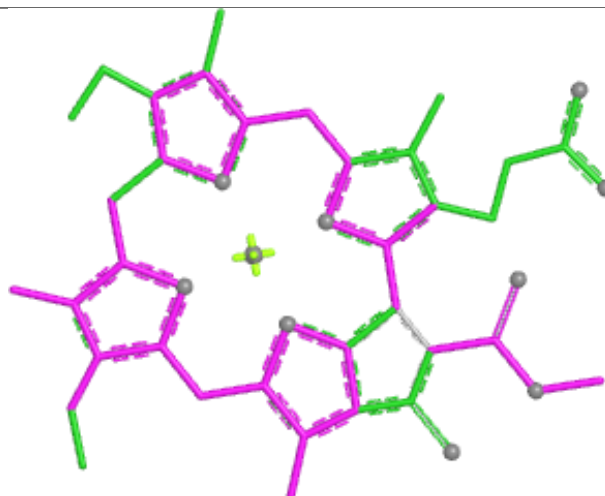
Ligand CLA B 850



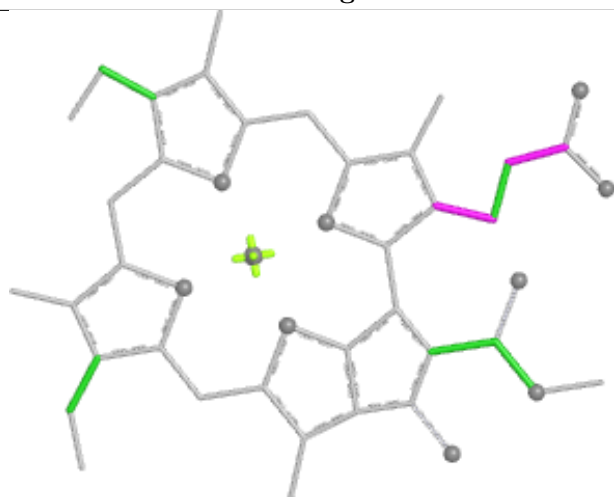
Ligand CLA 7 307



Bond lengths



Bond angles

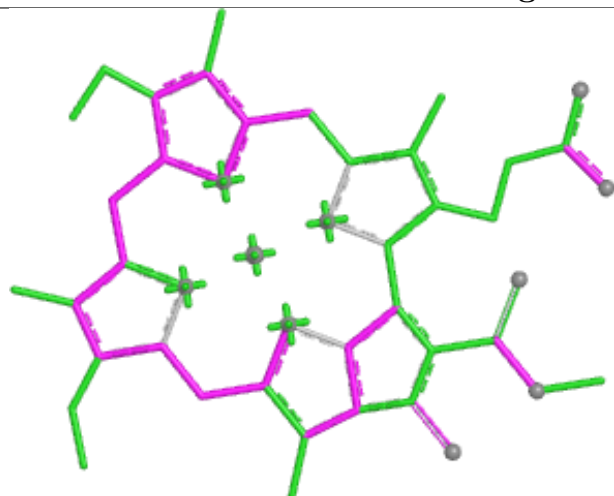


Torsions

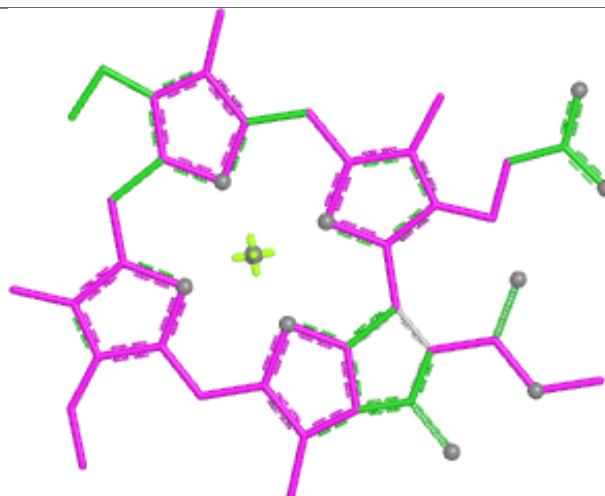


Rings

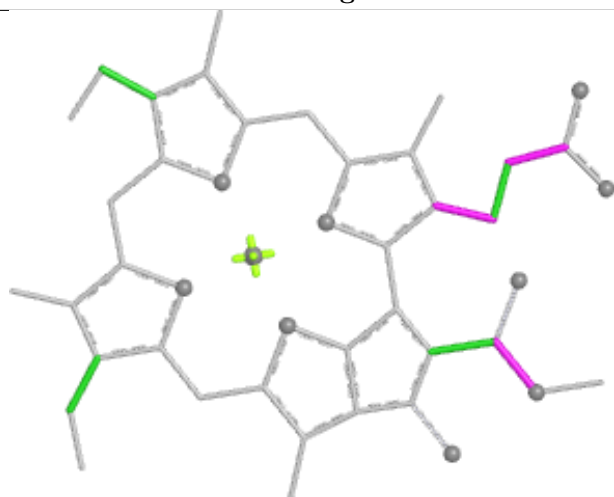
Ligand CLA 1 306



Bond lengths



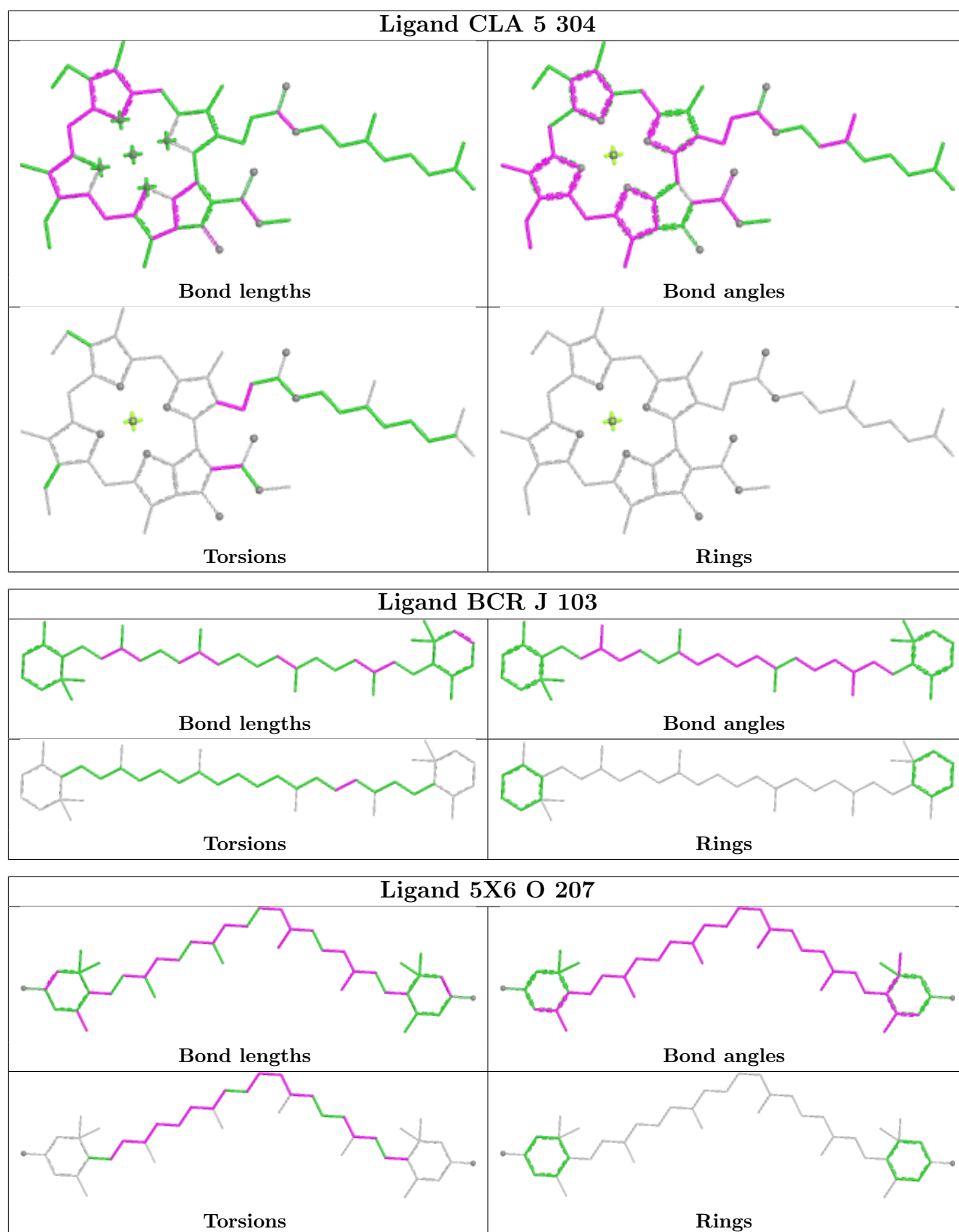
Bond angles



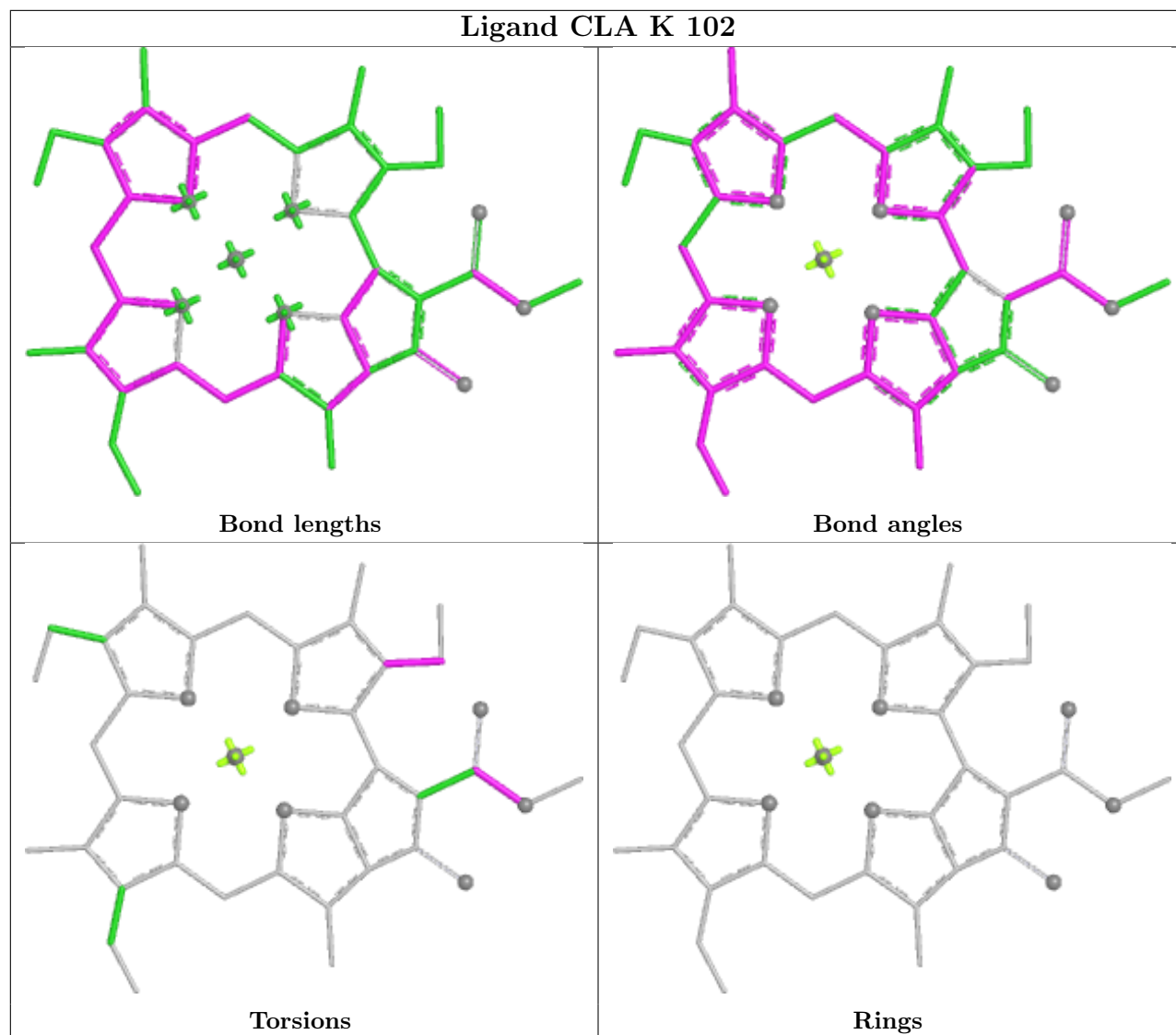
Torsions



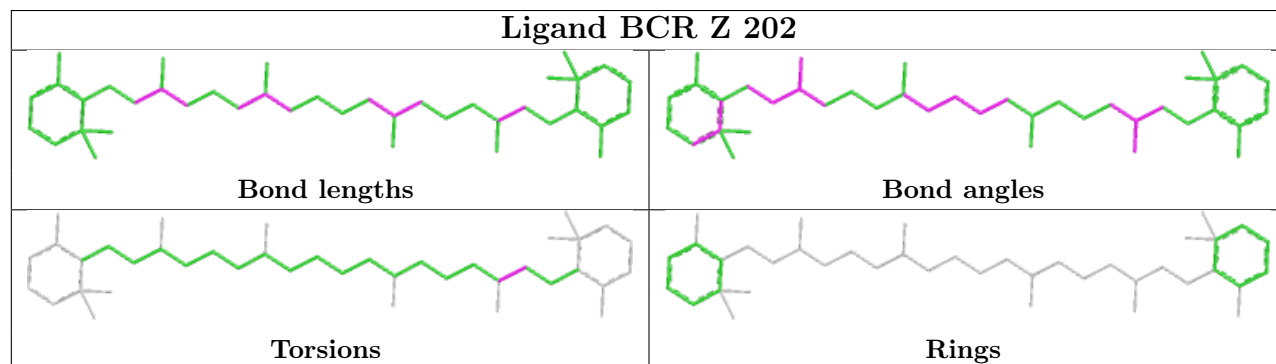
Rings

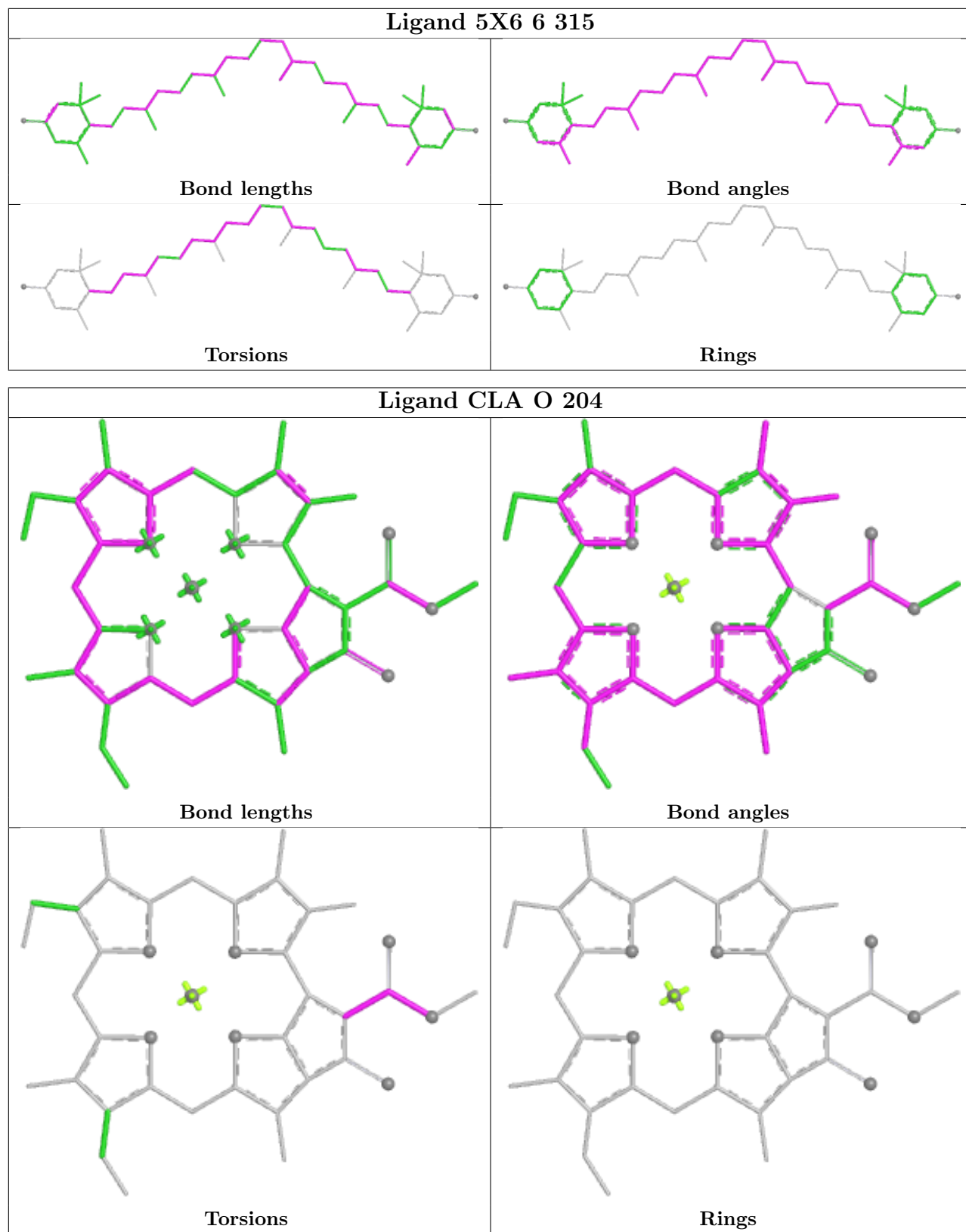


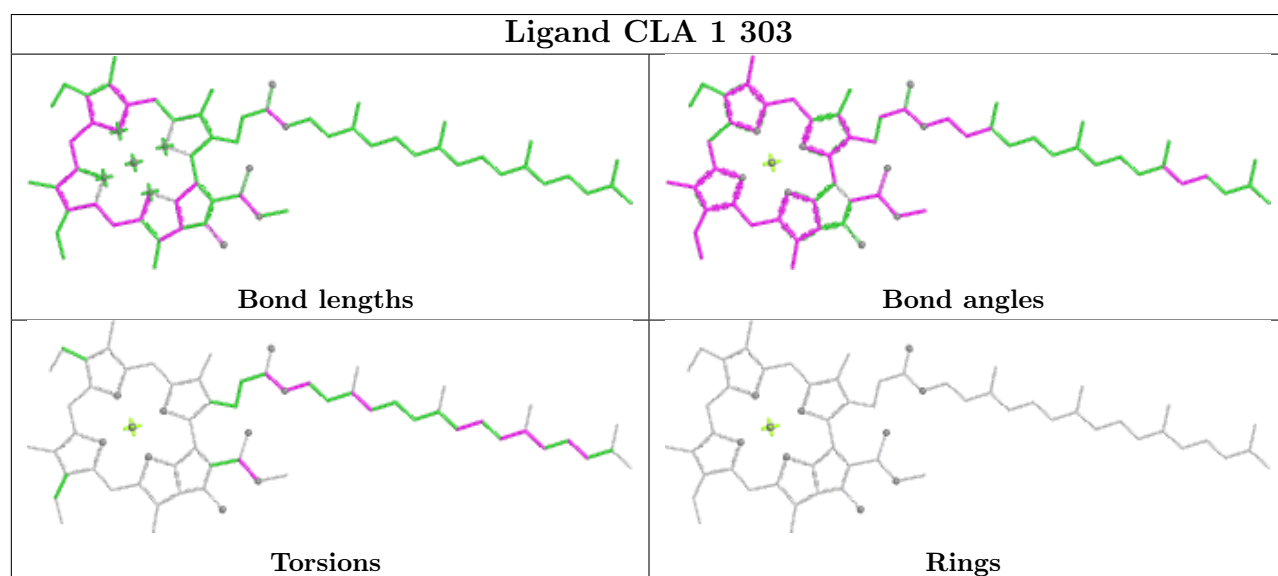
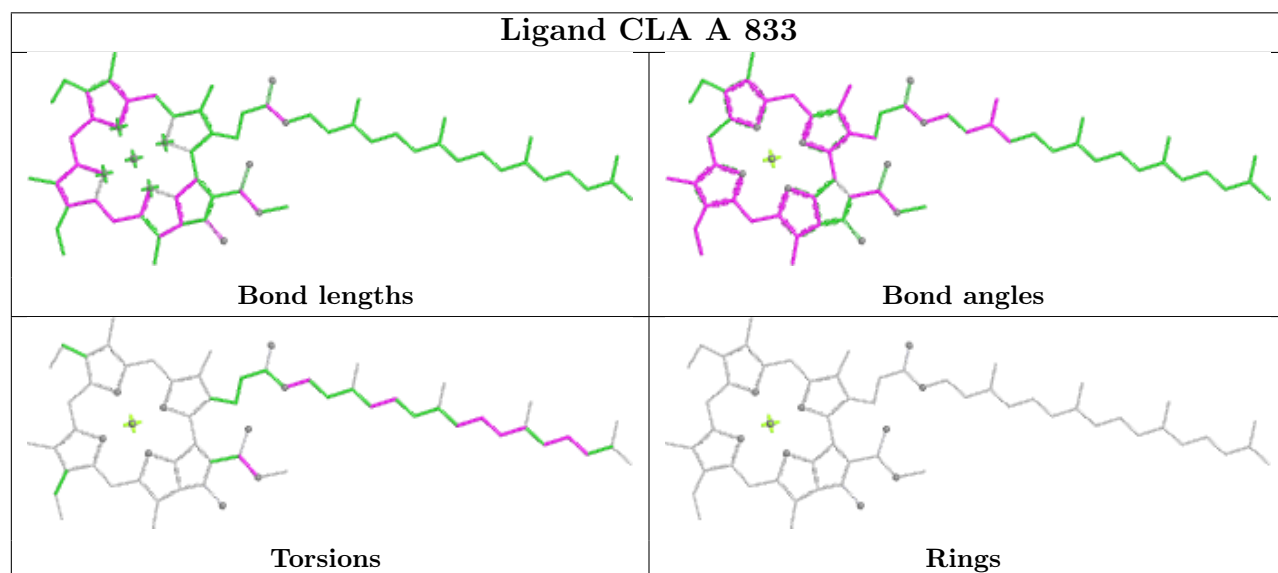
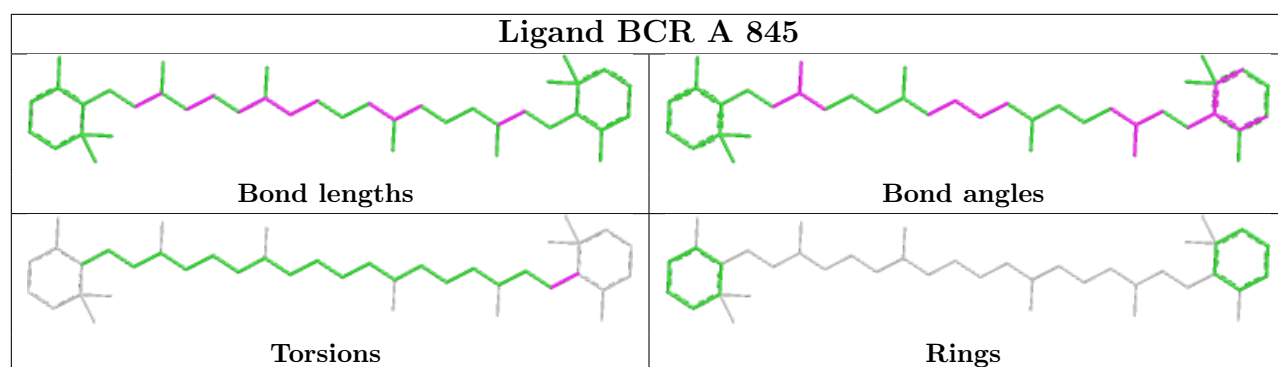
Ligand CLA K 102



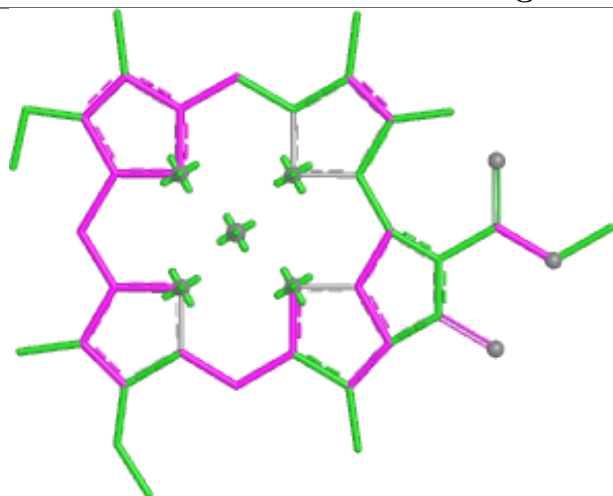
Ligand BCR Z 202



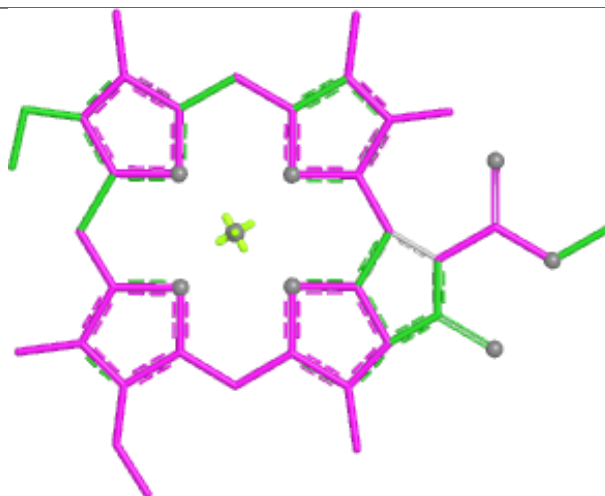




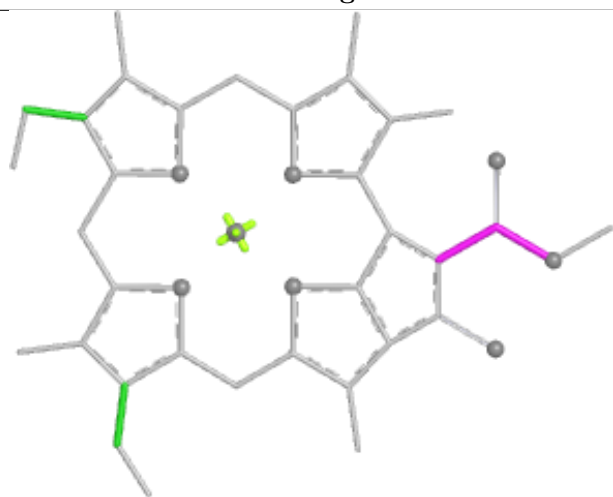
Ligand CLA F 206



Bond lengths



Bond angles

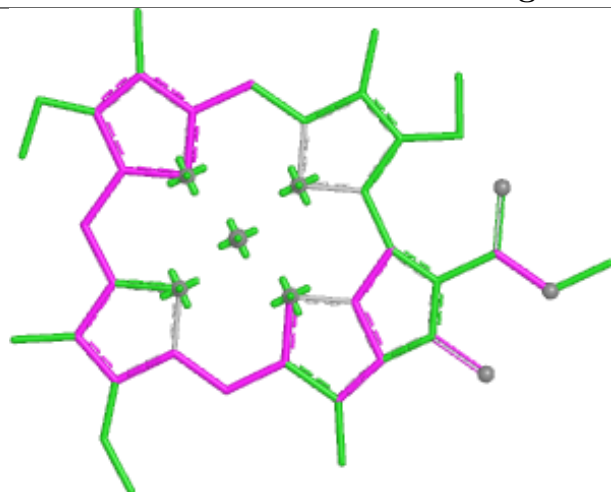


Torsions

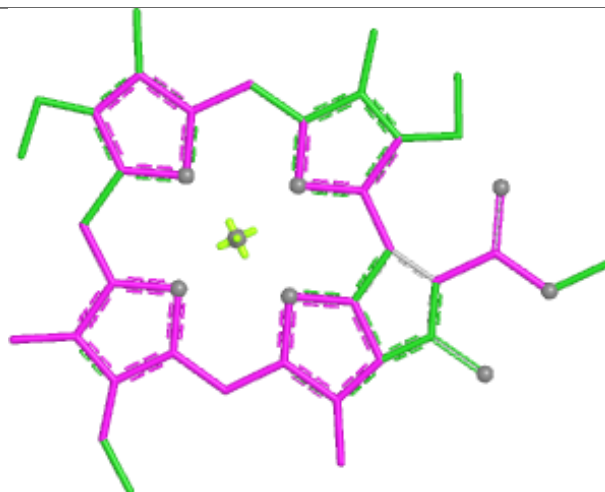


Rings

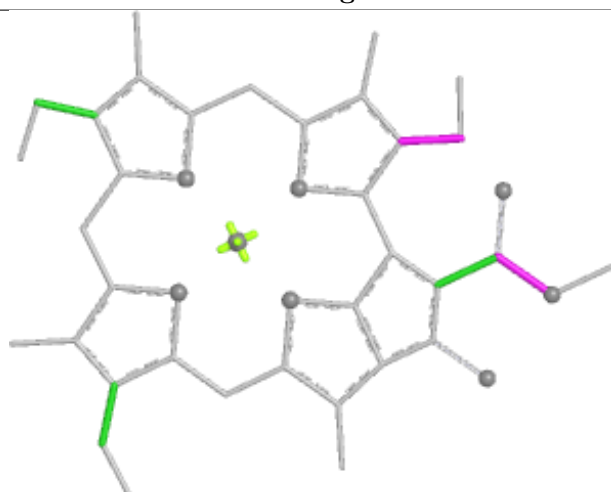
Ligand CLA 2 310



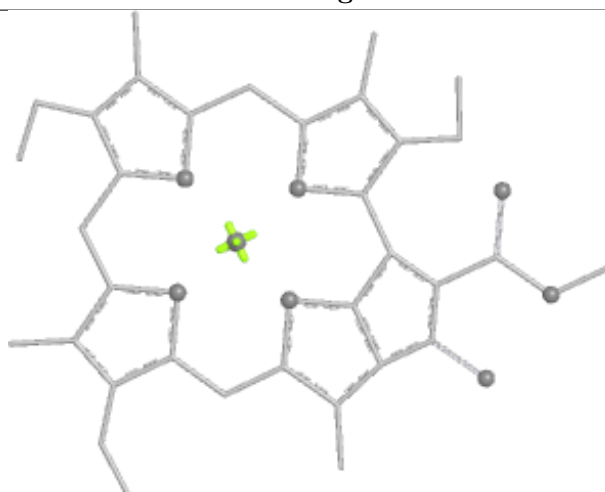
Bond lengths



Bond angles

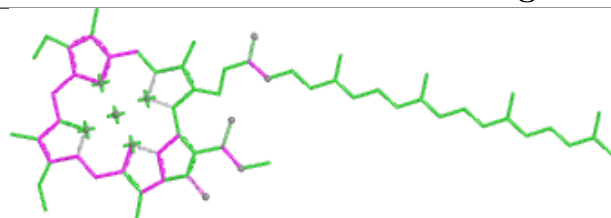


Torsions

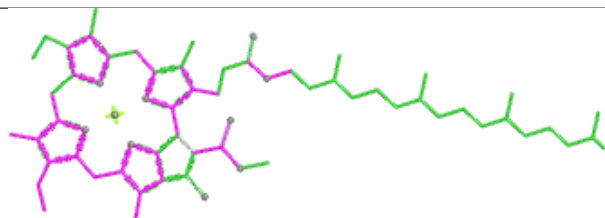


Rings

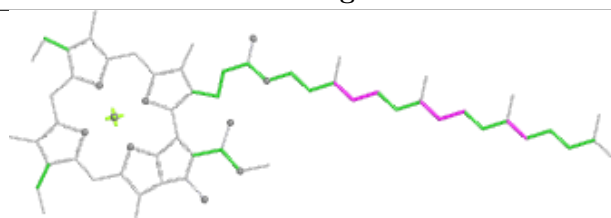
Ligand CLA 5 306



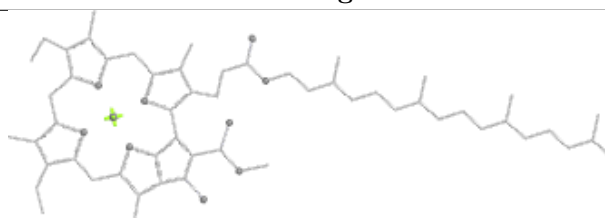
Bond lengths



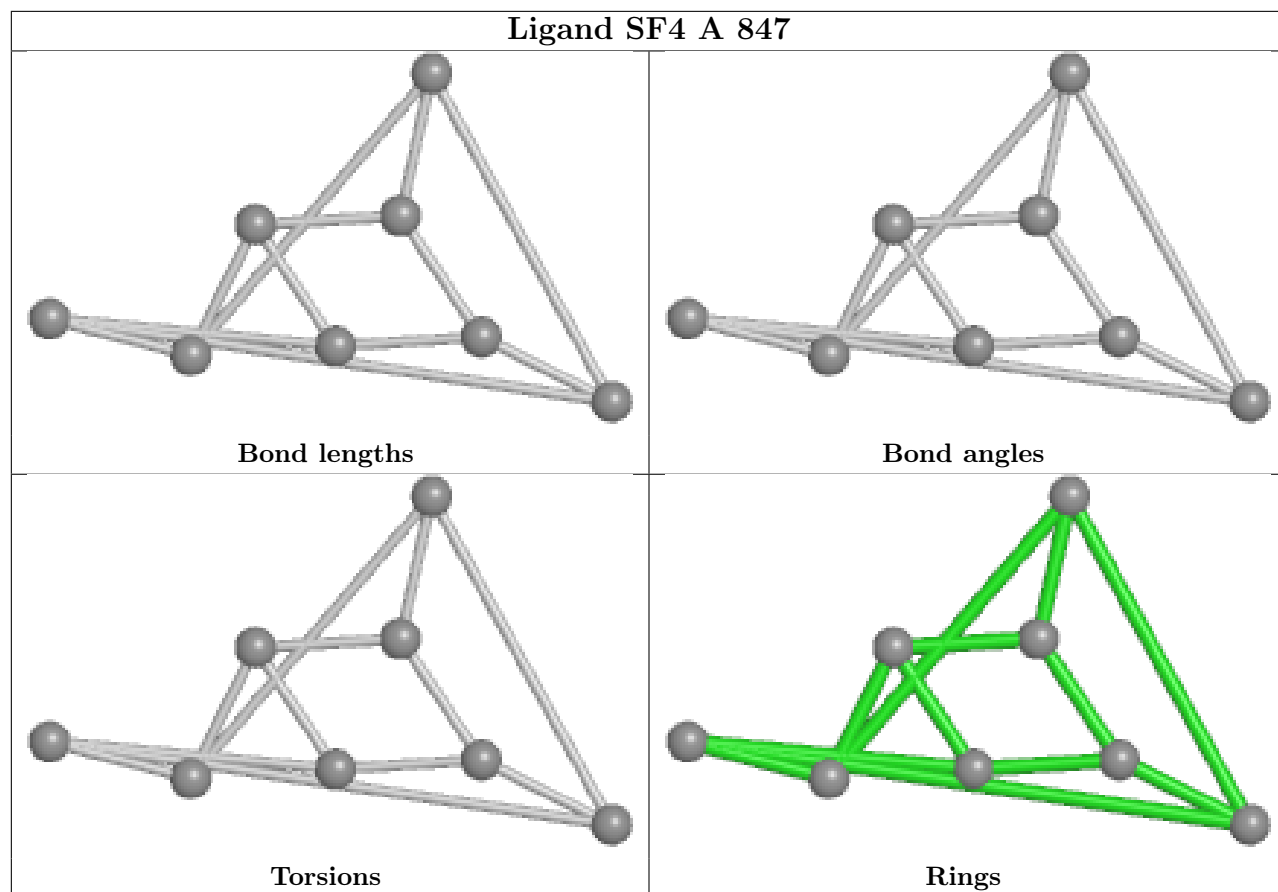
Bond angles



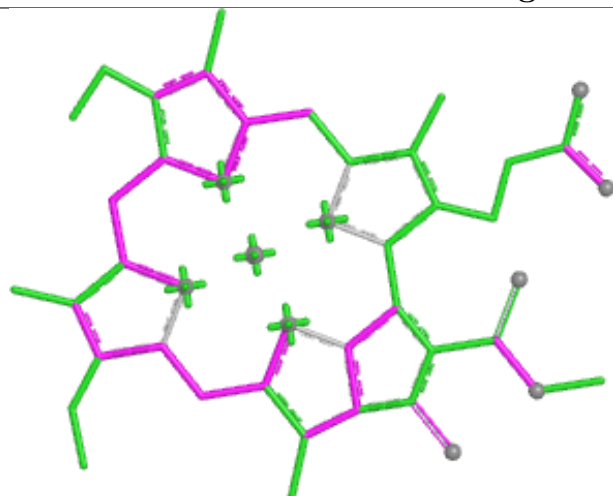
Torsions



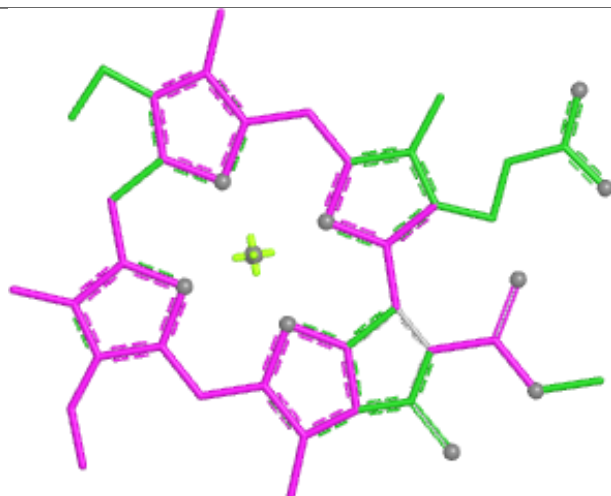
Rings



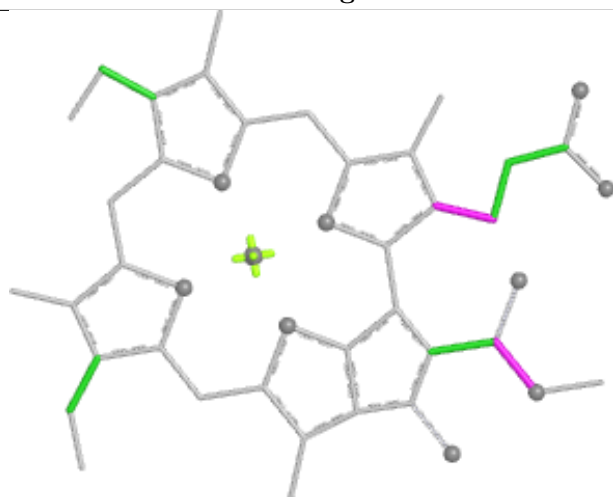
Ligand CLA 5 311



Bond lengths



Bond angles

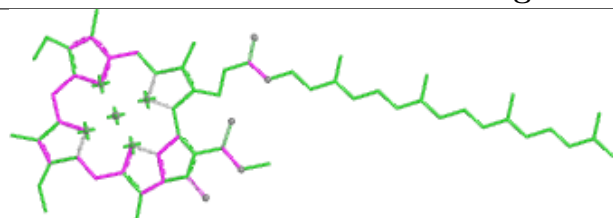


Torsions

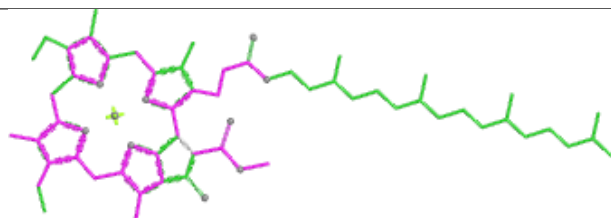


Rings

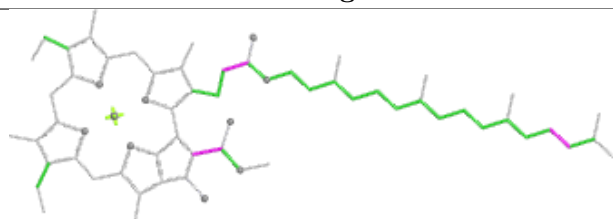
Ligand CLA A 803



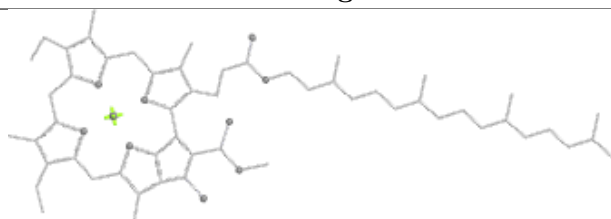
Bond lengths



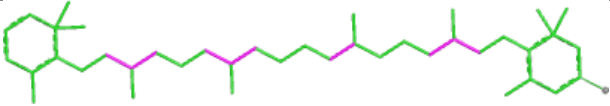
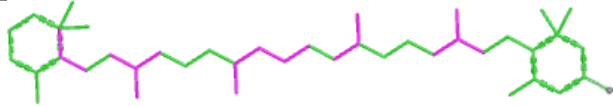
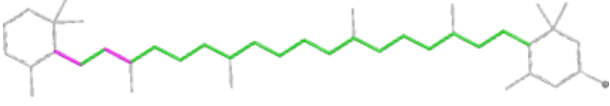
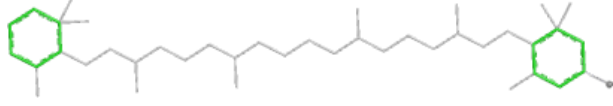
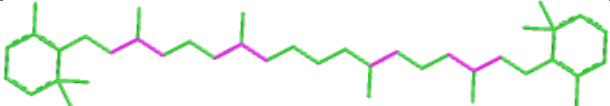
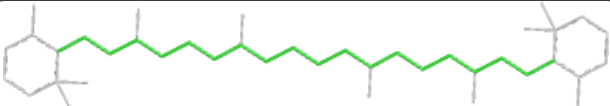
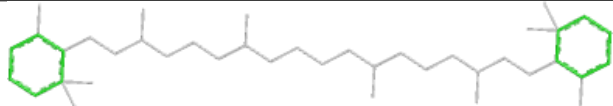
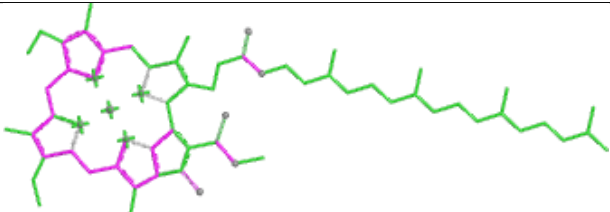
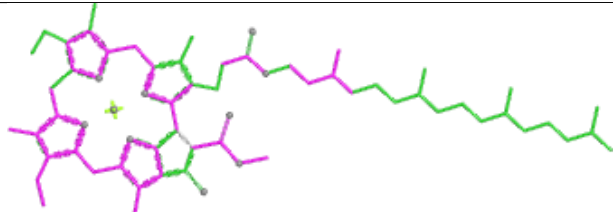
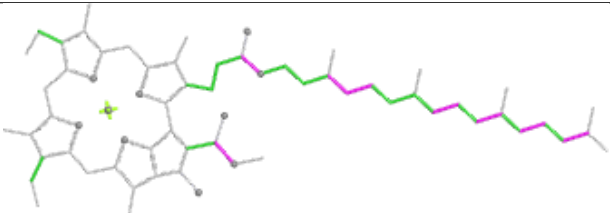
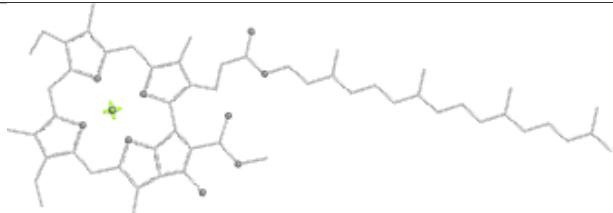
Bond angles

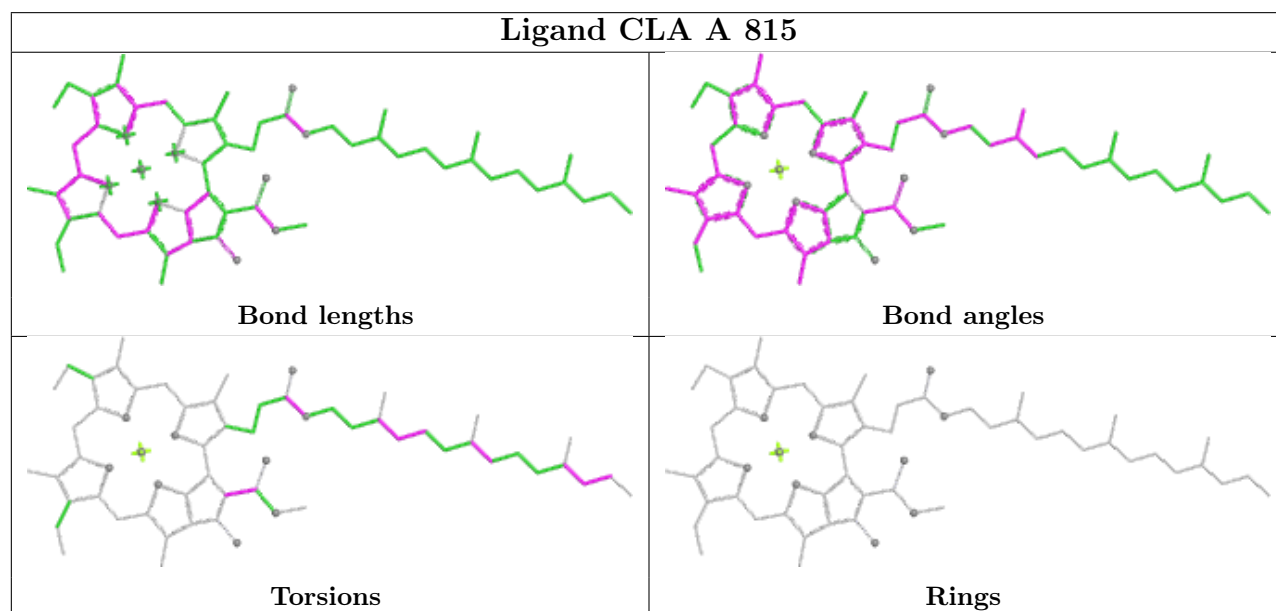
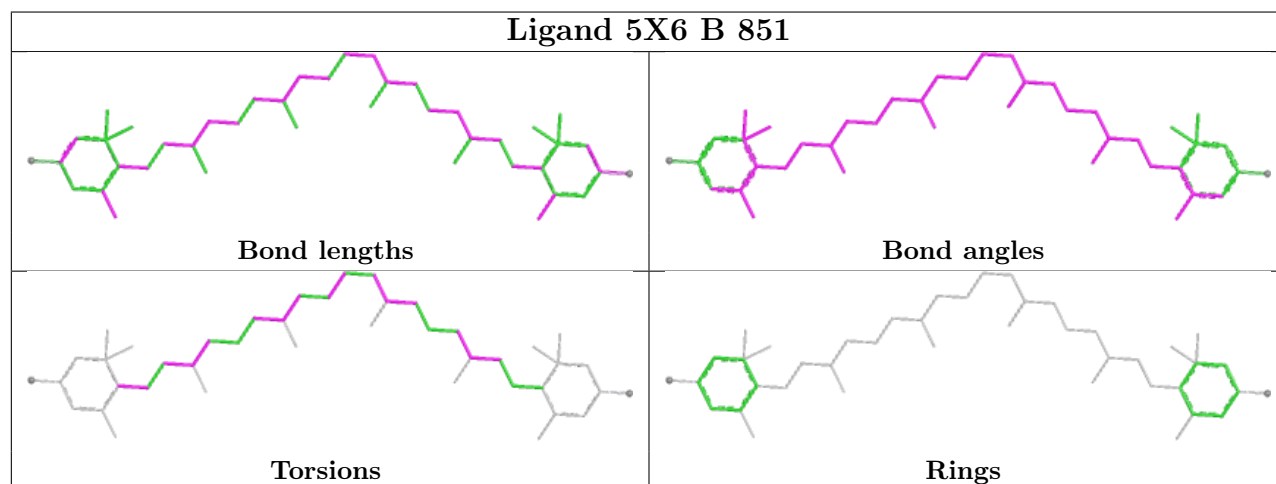
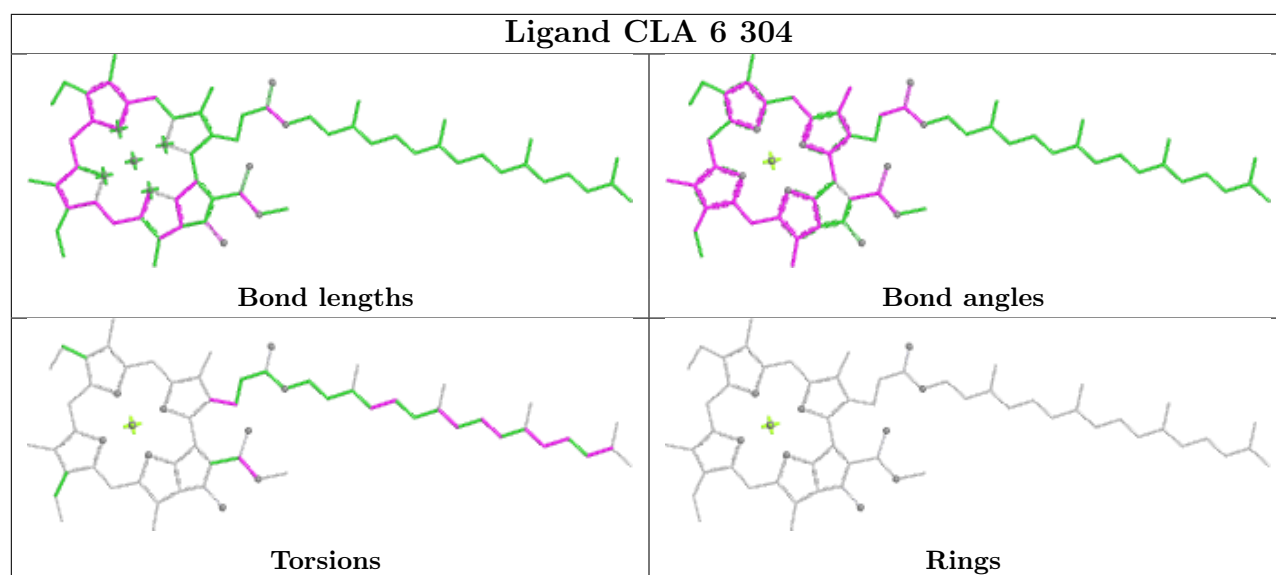


Torsions

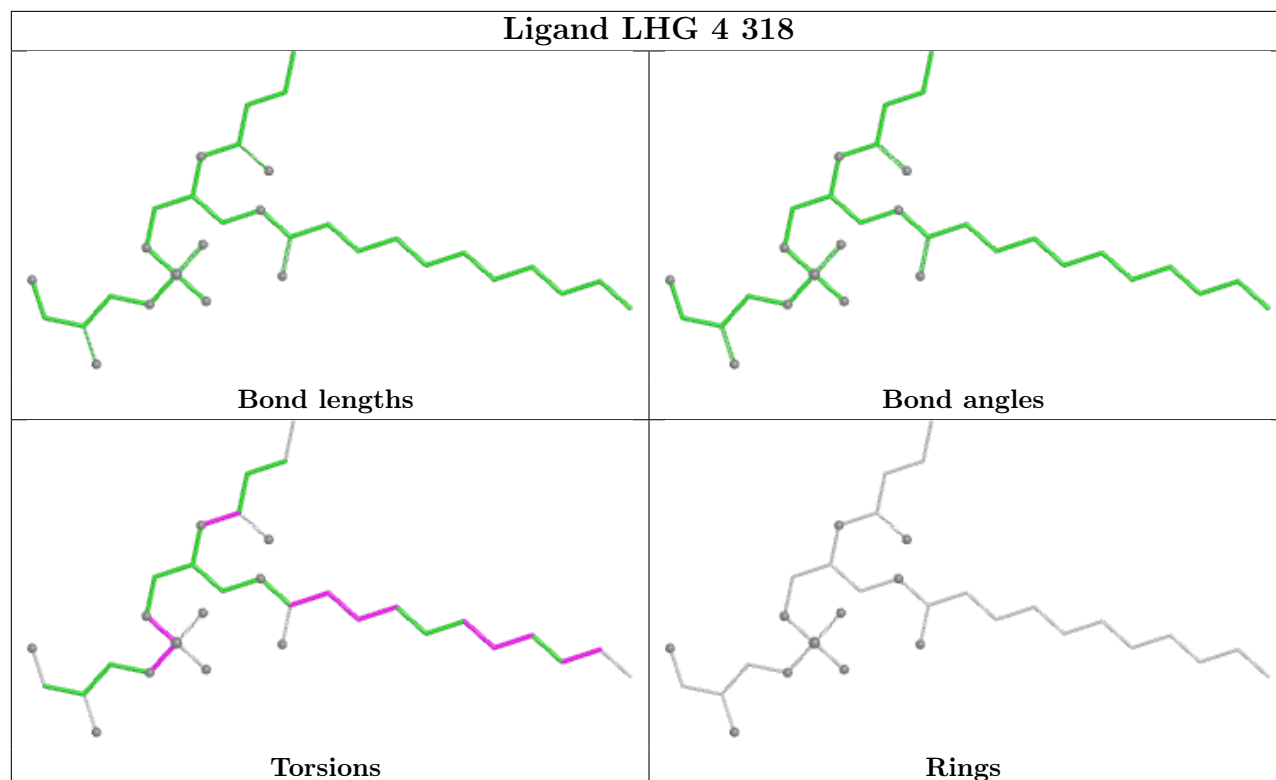


Rings

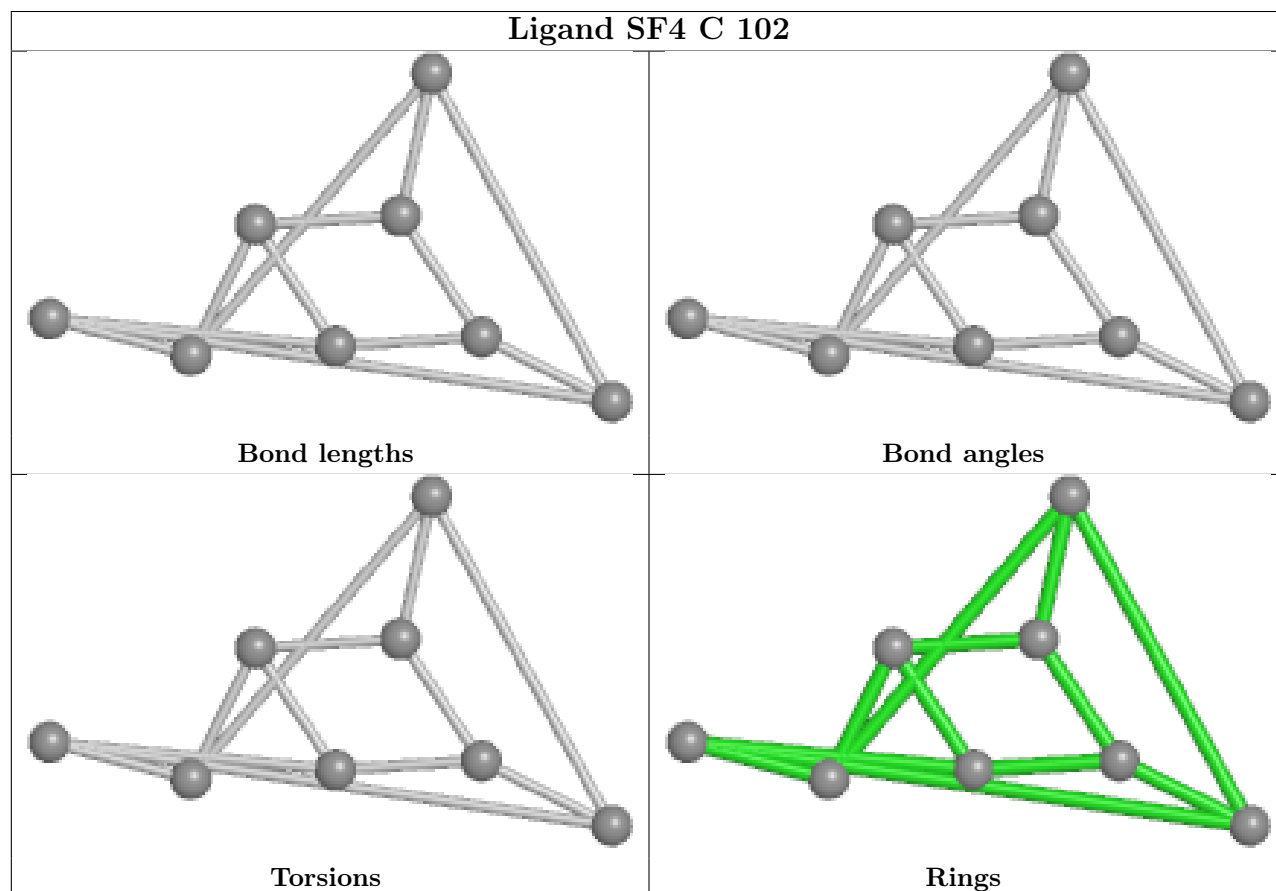
Ligand RRX 1 315	
 Bond lengths	 Bond angles
 Torsions	 Rings
Ligand BCR F 201	
 Bond lengths	 Bond angles
 Torsions	 Rings
Ligand CLA 2 304	
 Bond lengths	 Bond angles
 Torsions	 Rings

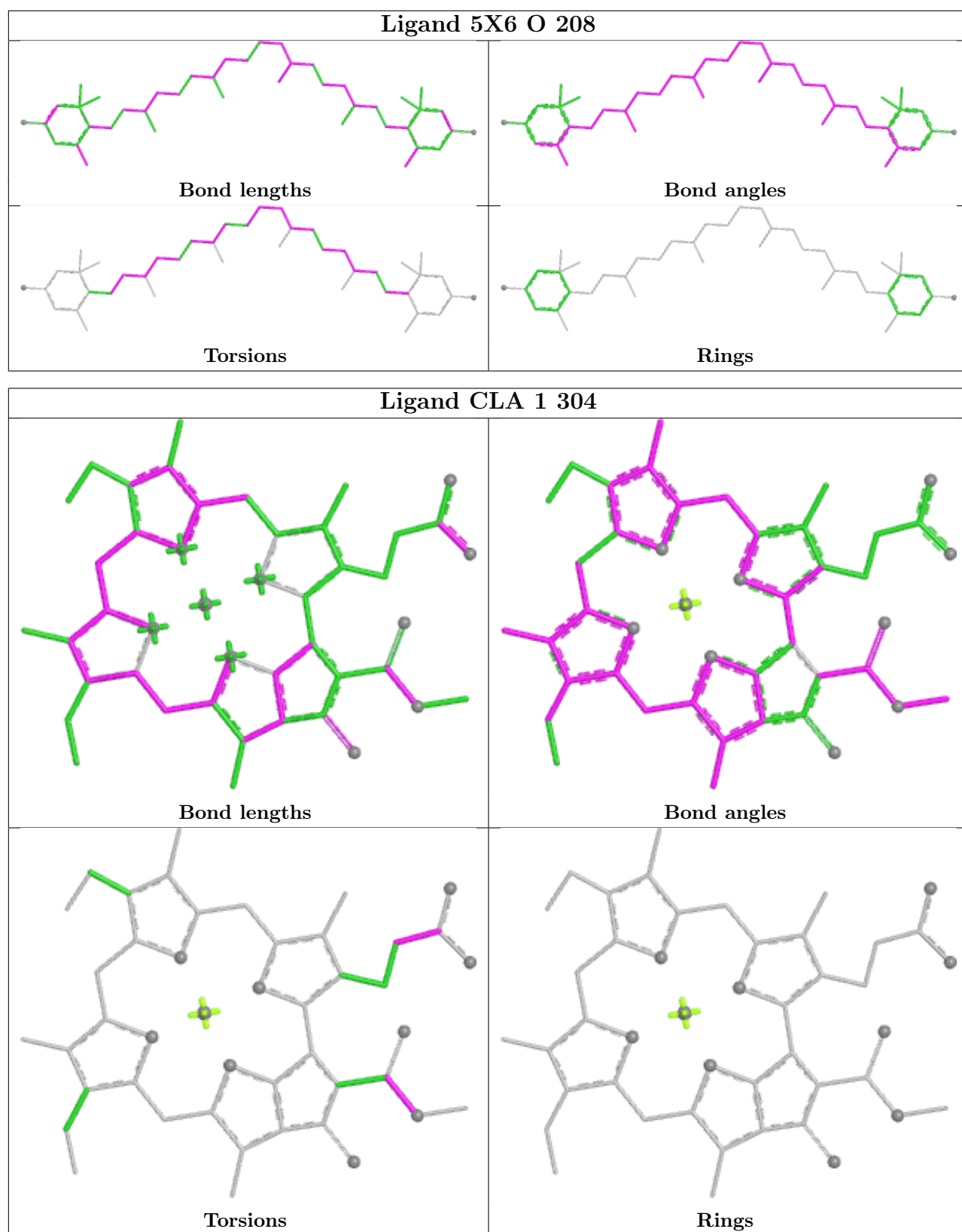


Ligand LHG 4 318

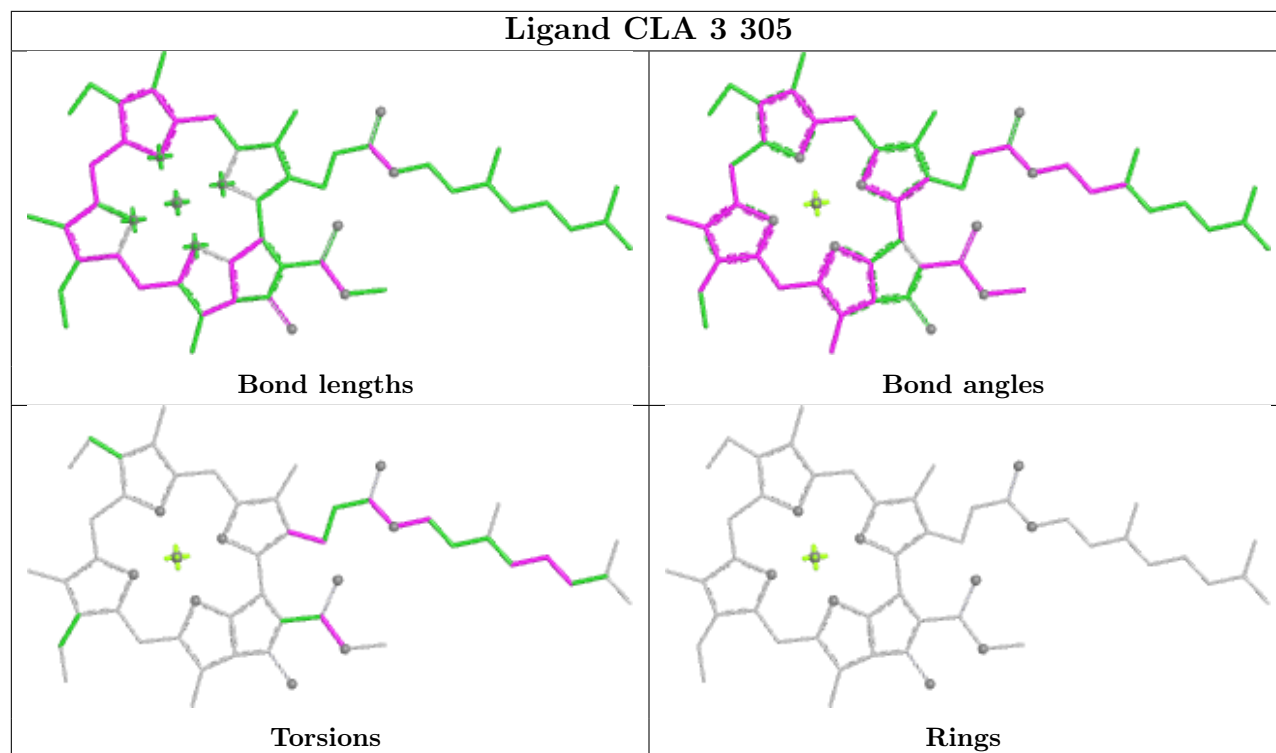


Ligand SF4 C 102

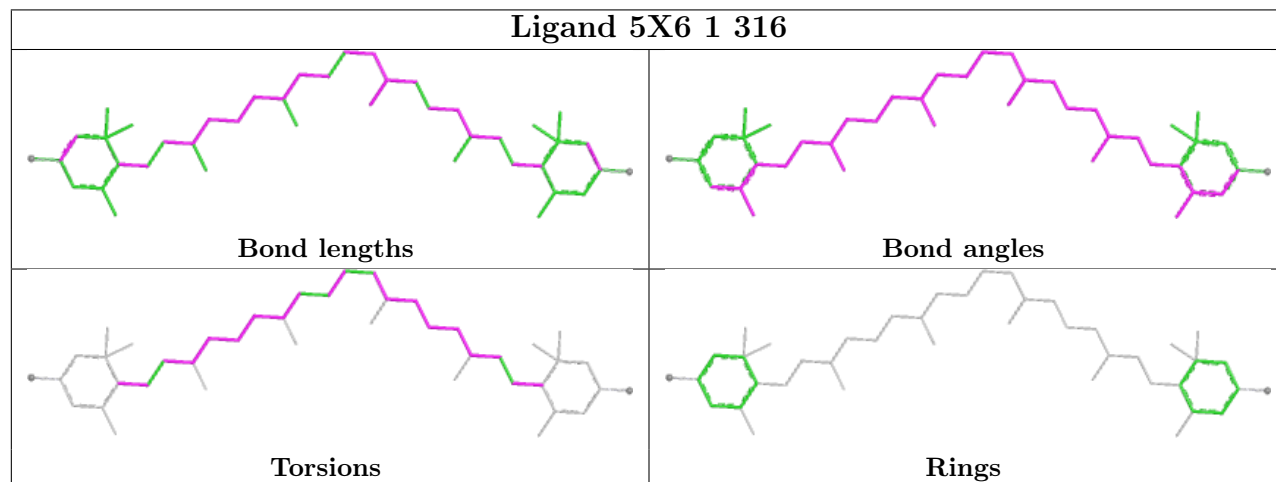




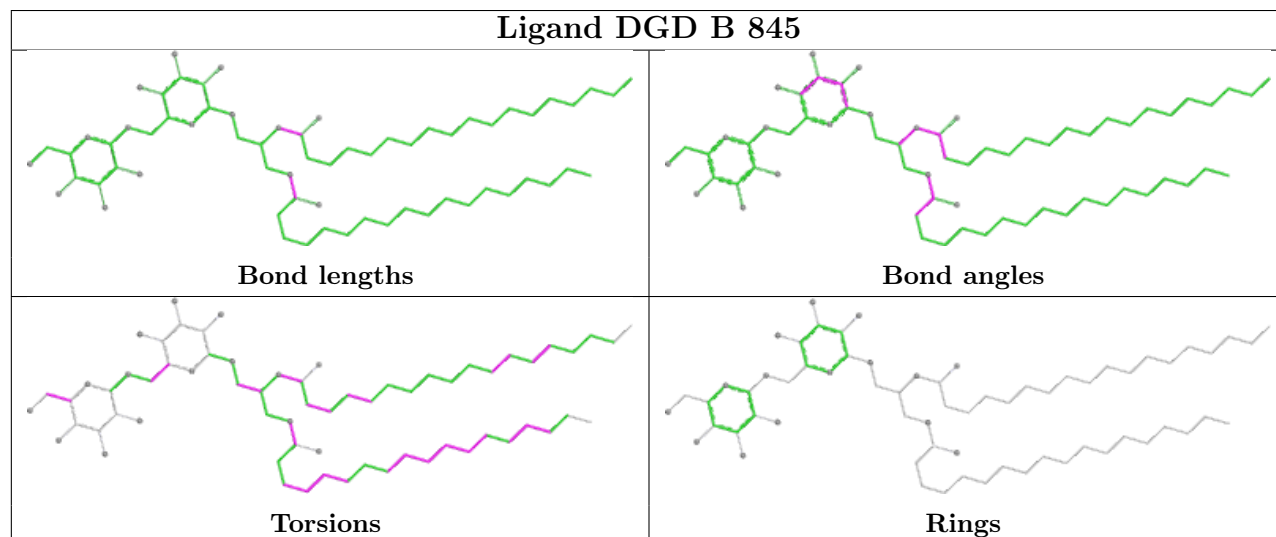
Ligand CLA 3 305

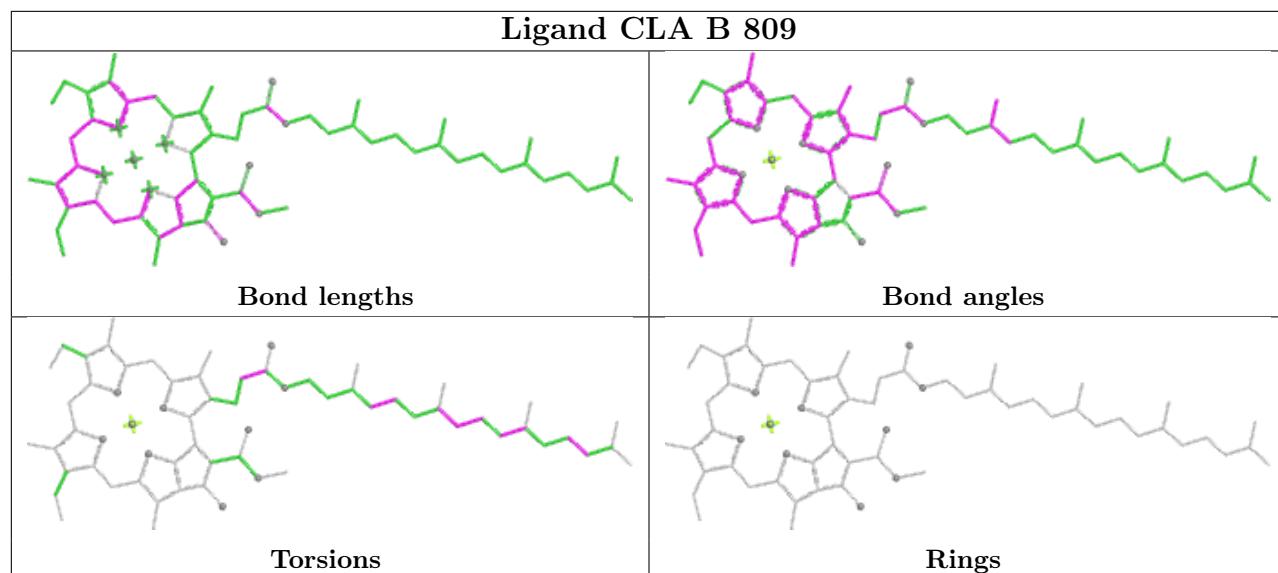
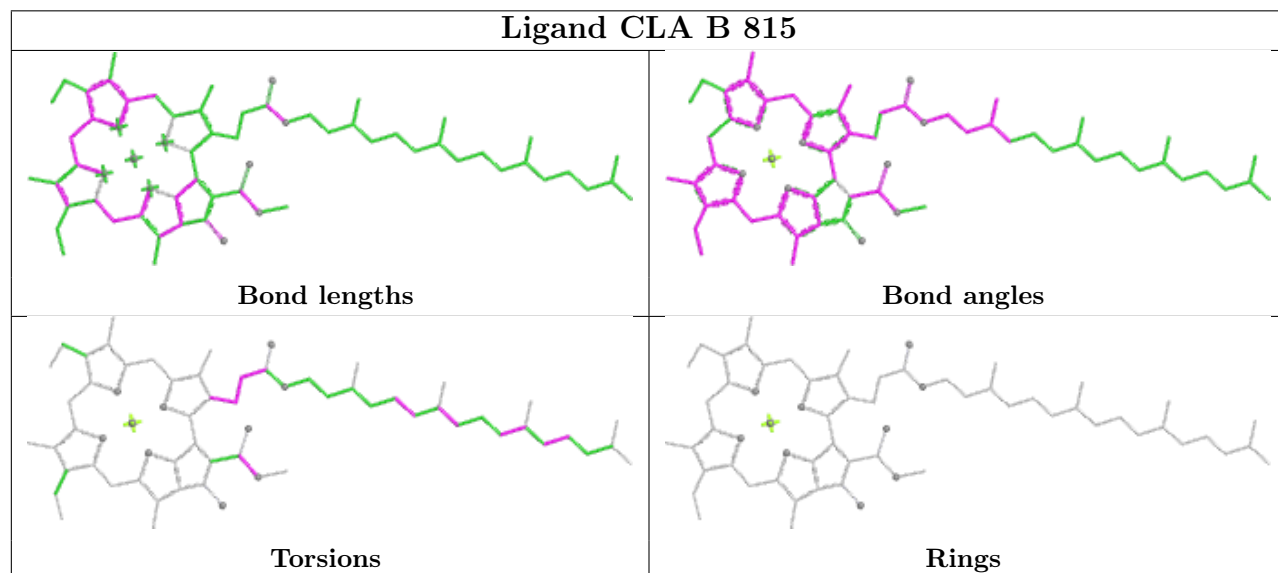
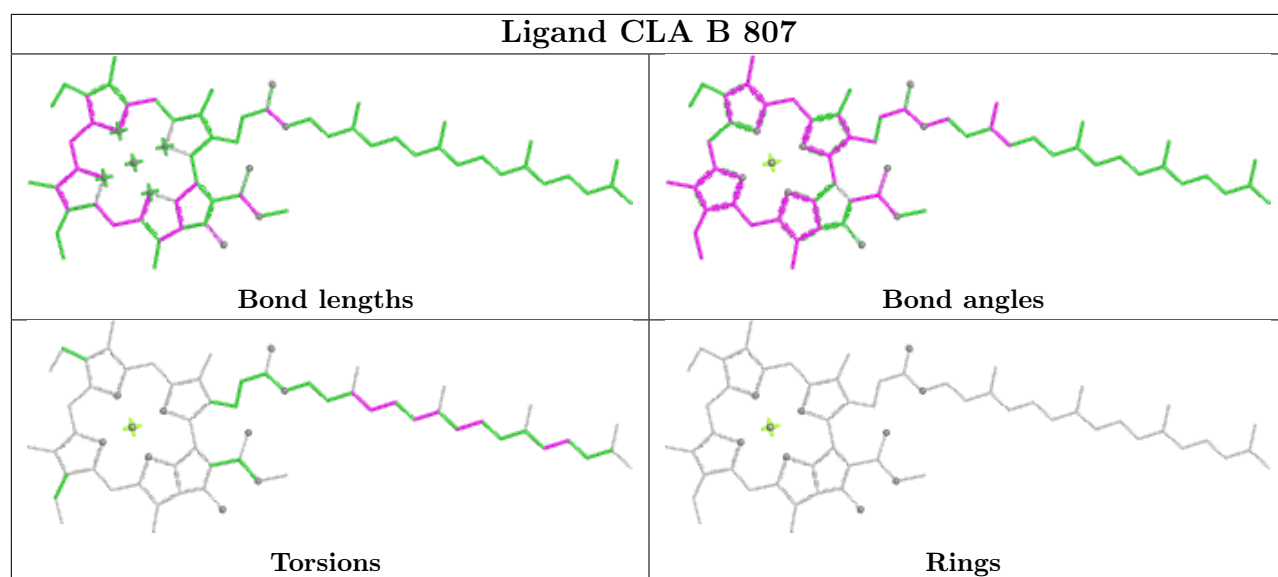


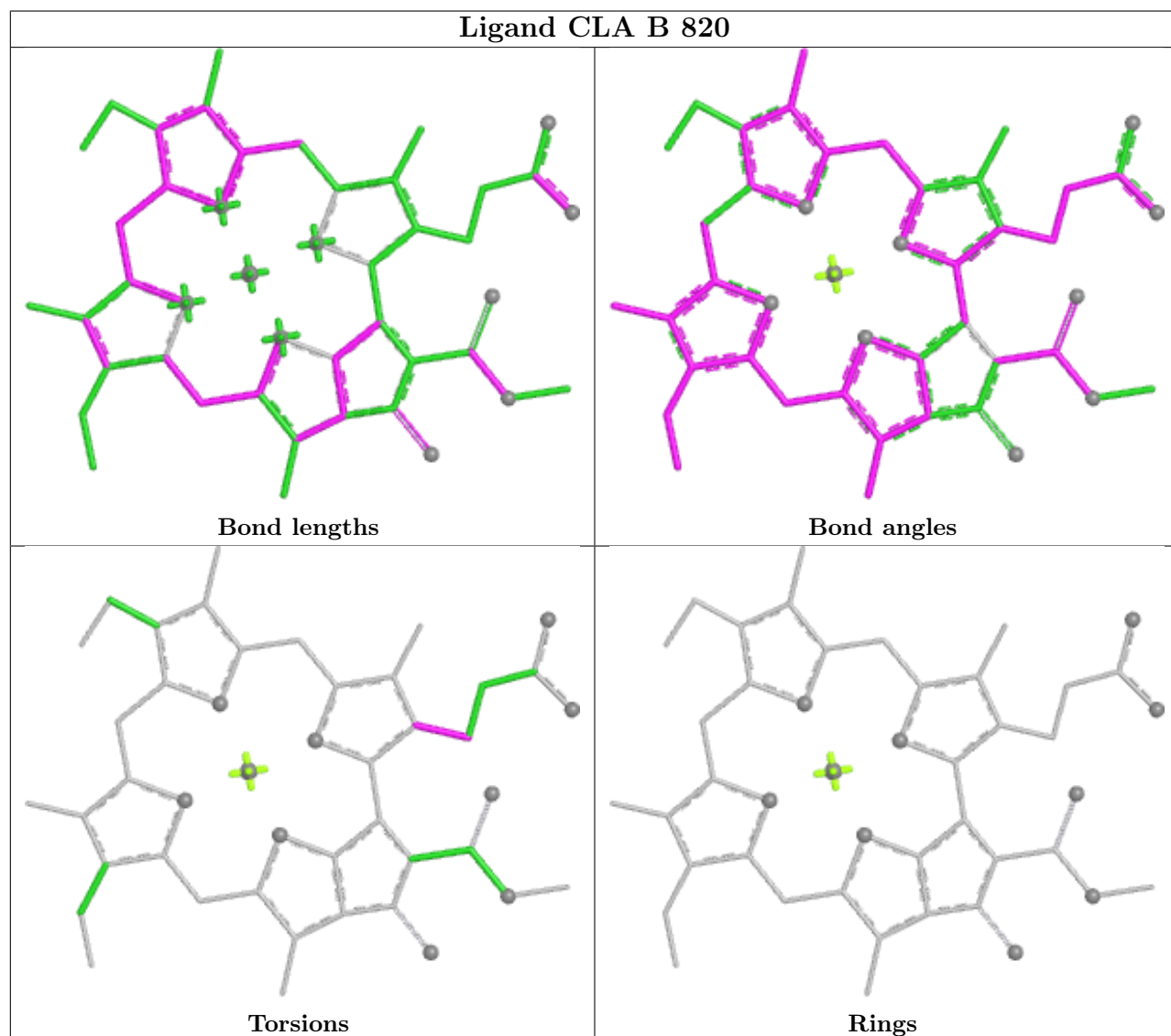
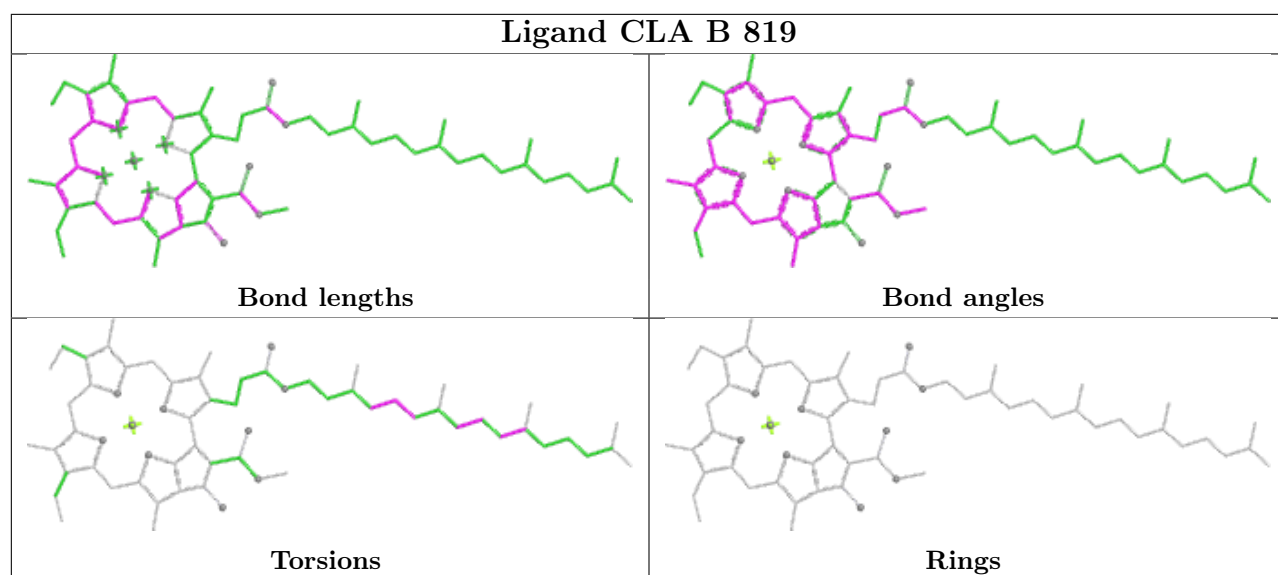
Ligand 5X6 1 316



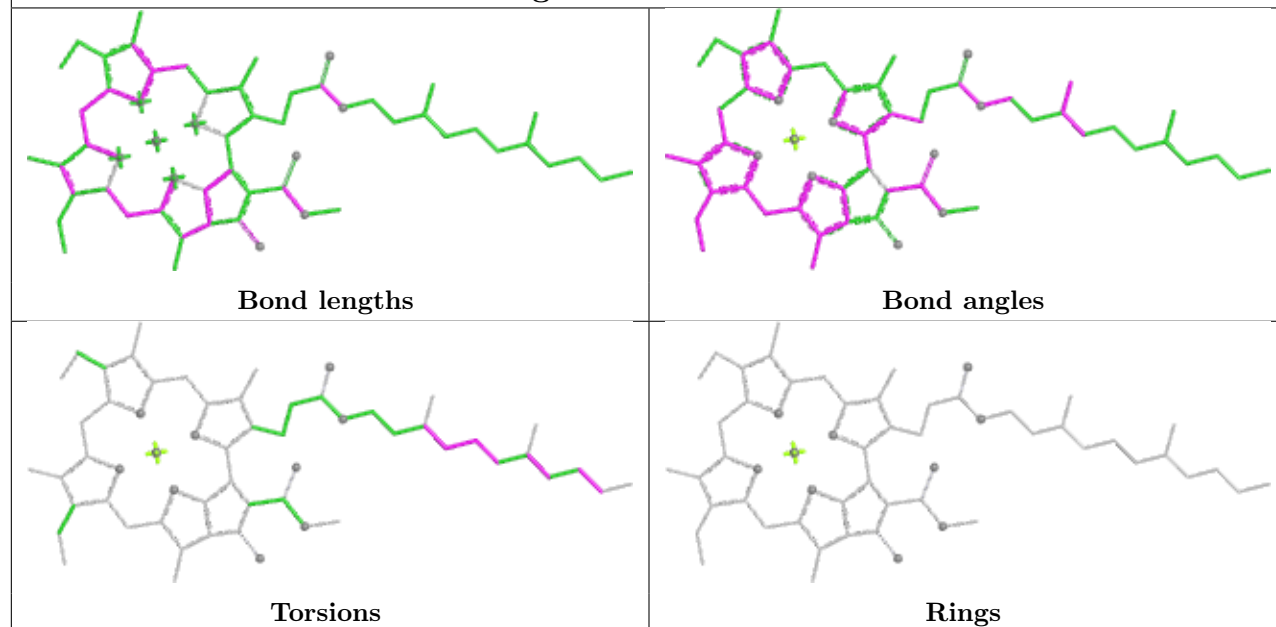
Ligand DGD B 845



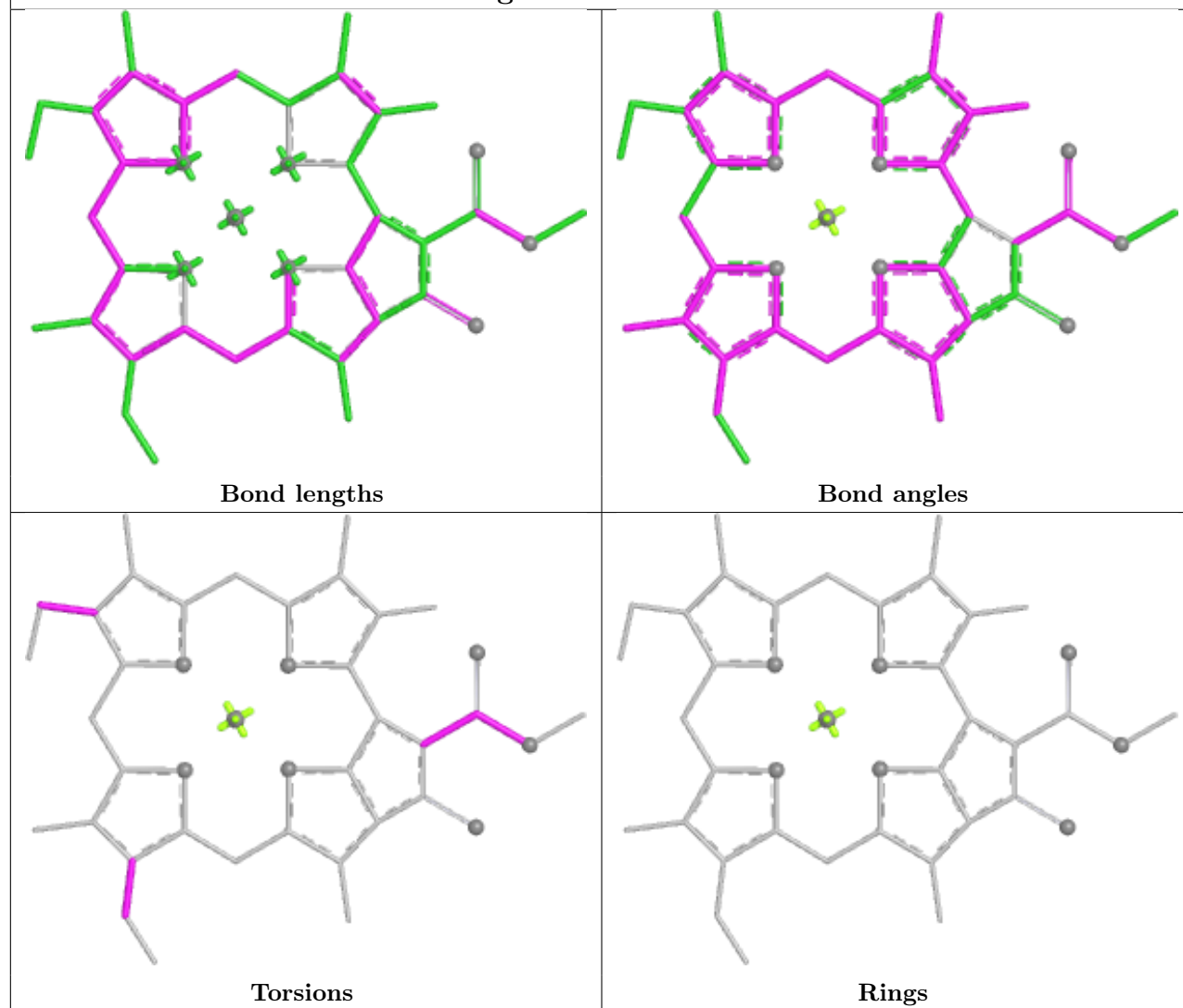


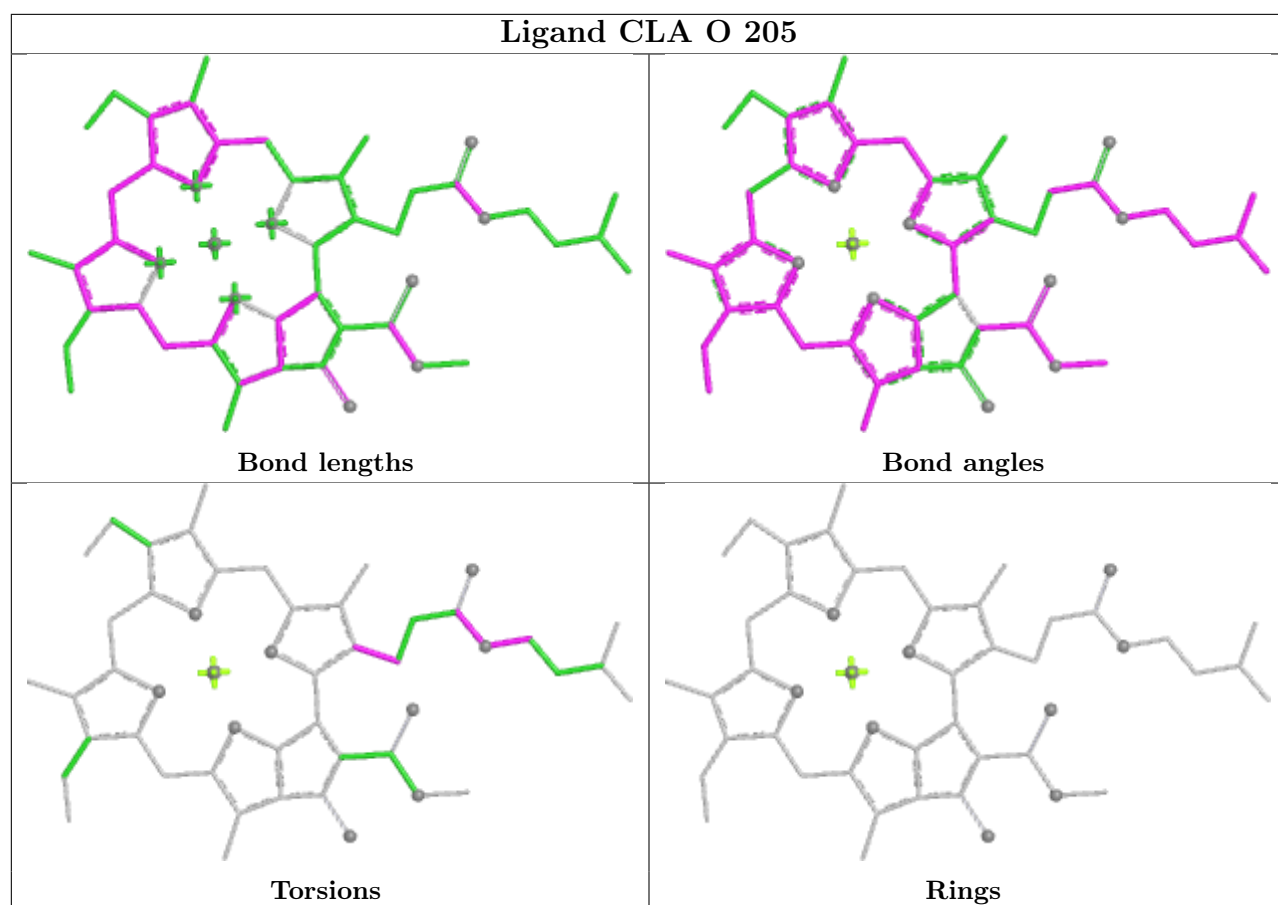


Ligand CLA B 849

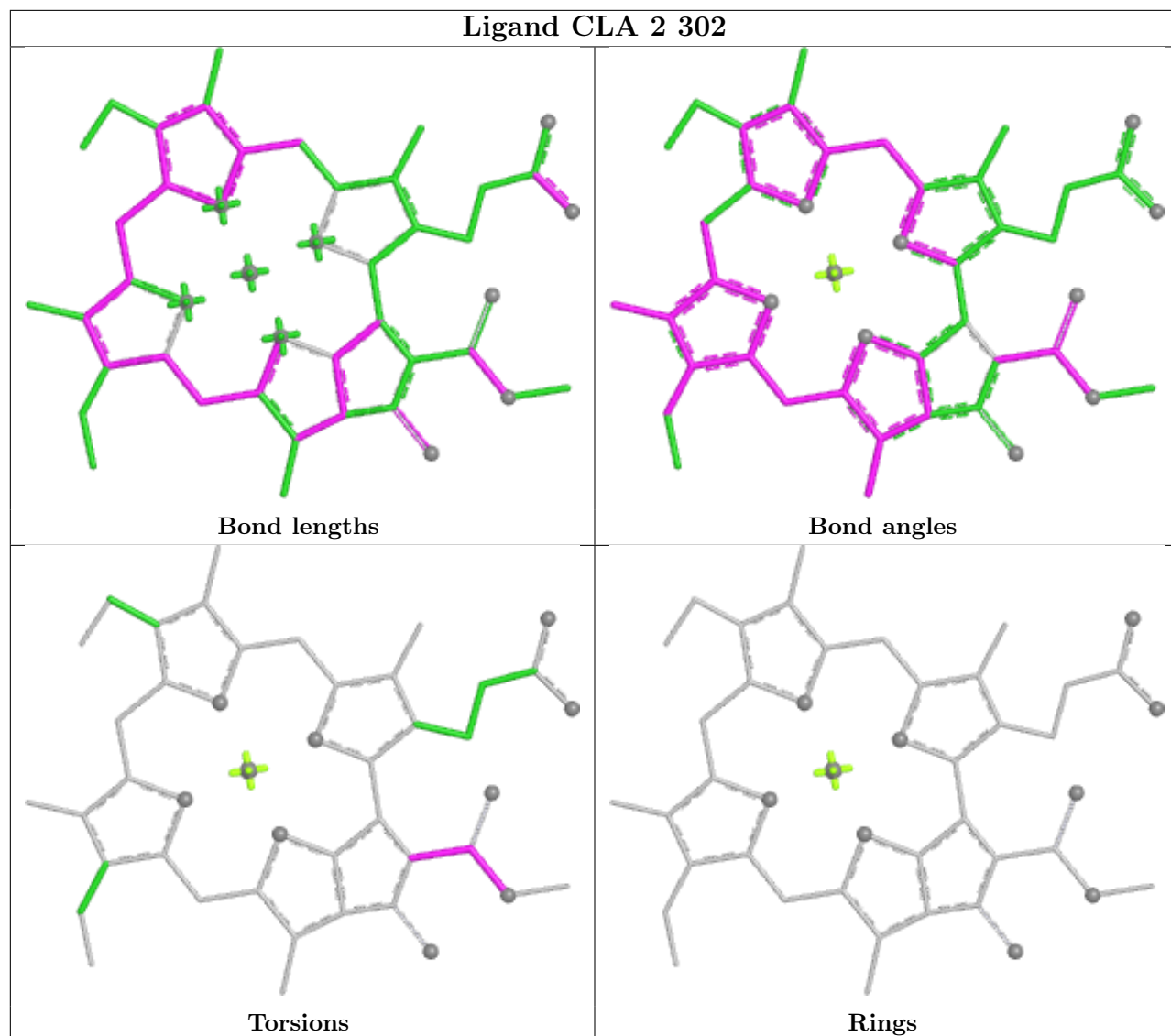


Ligand CLA 7 310

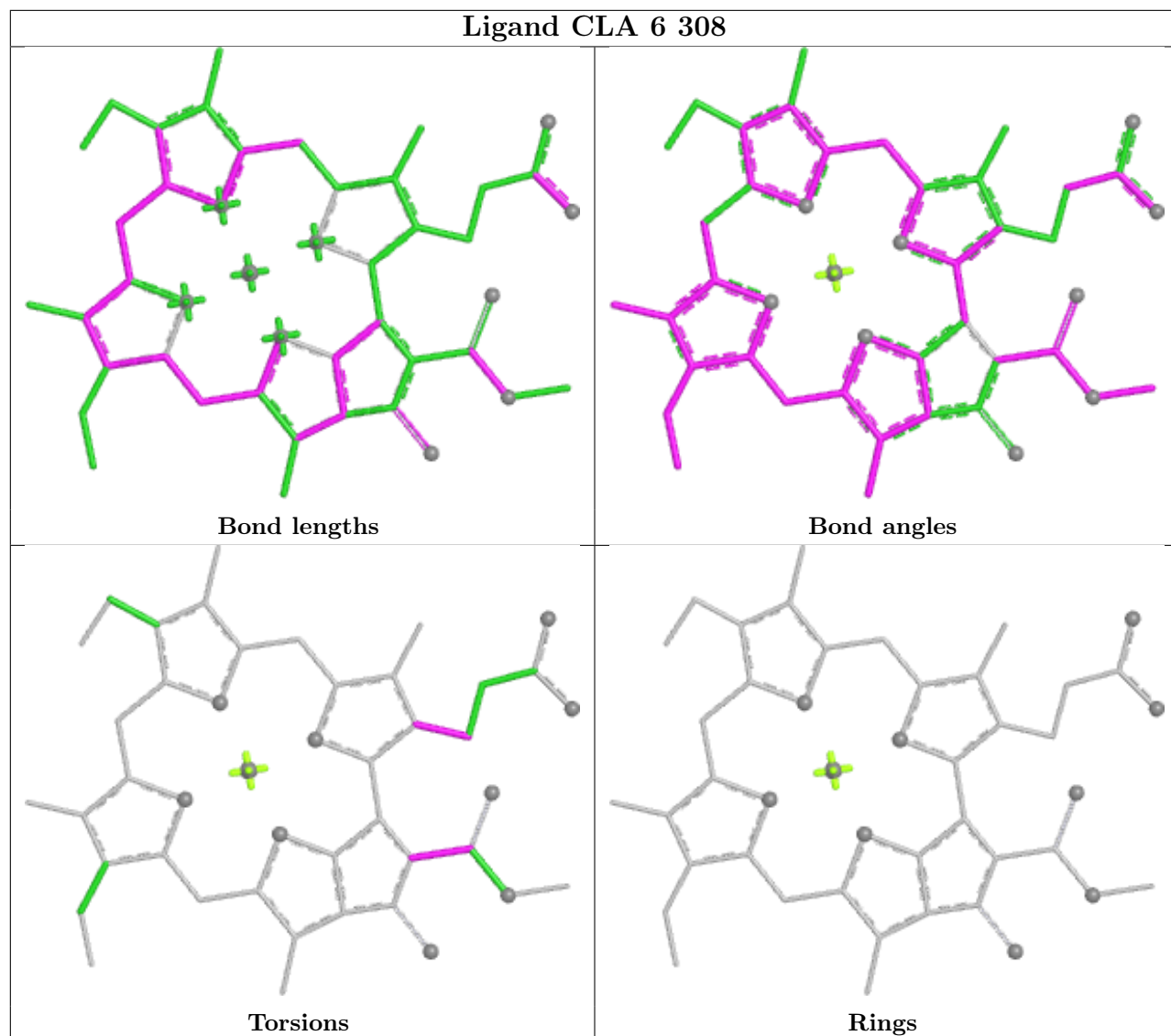




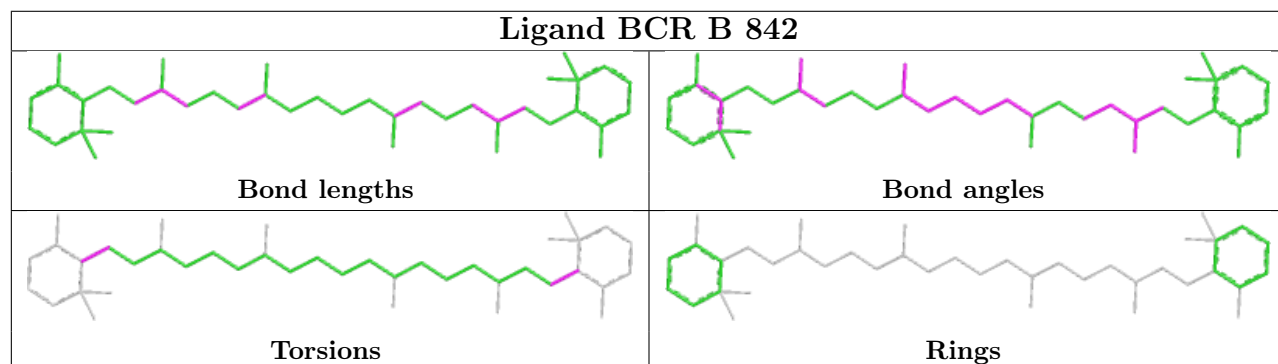
Ligand CLA 2 302

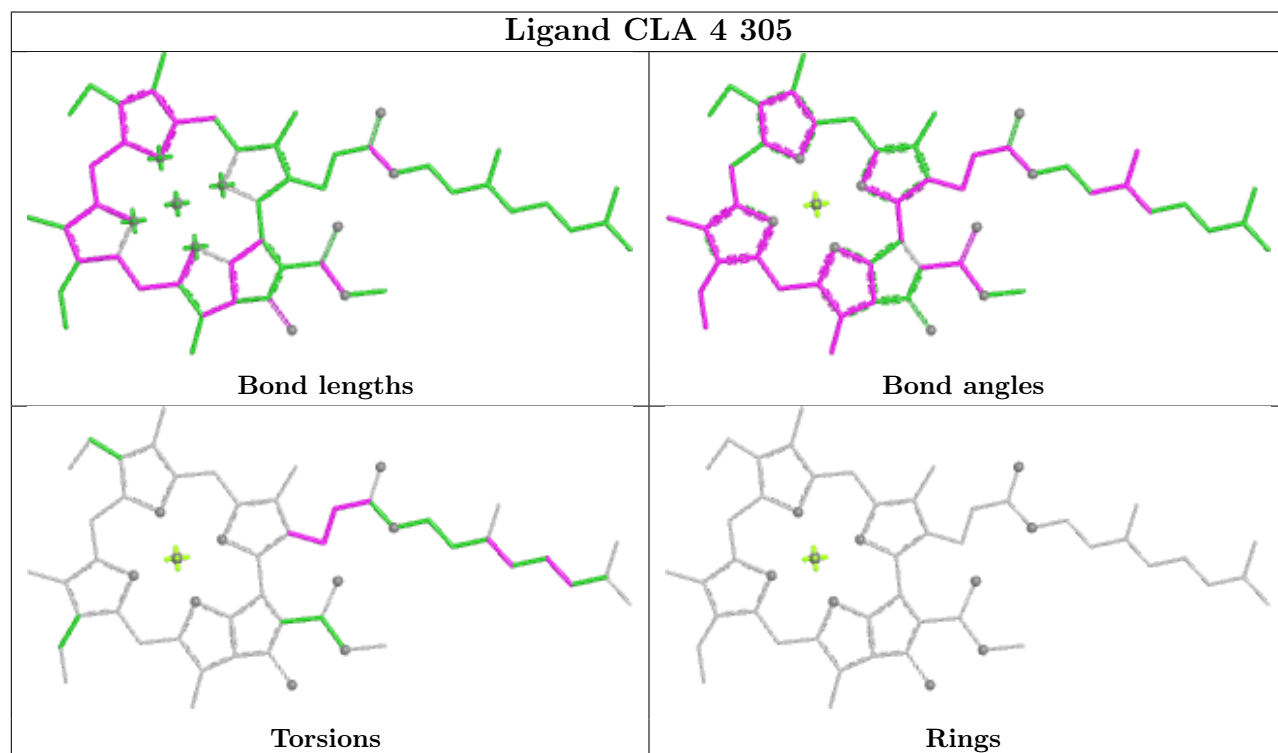
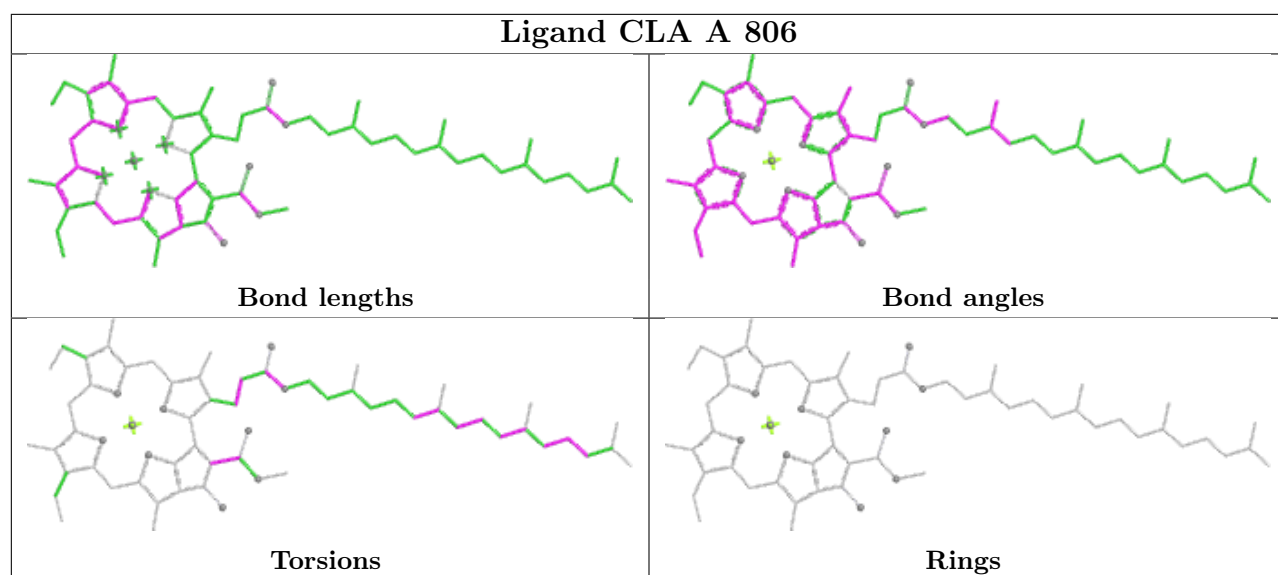


Ligand CLA 6 308

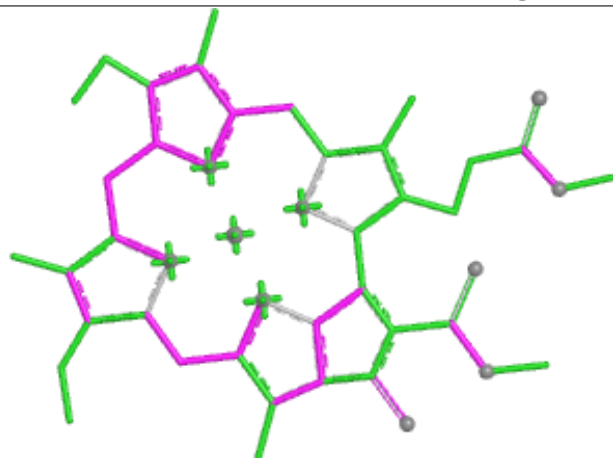


Ligand BCR B 842

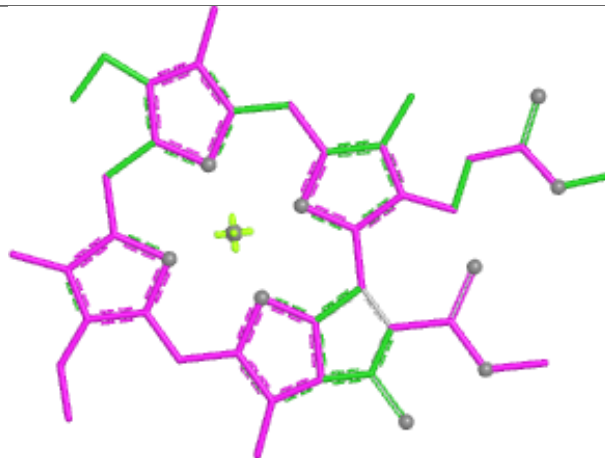




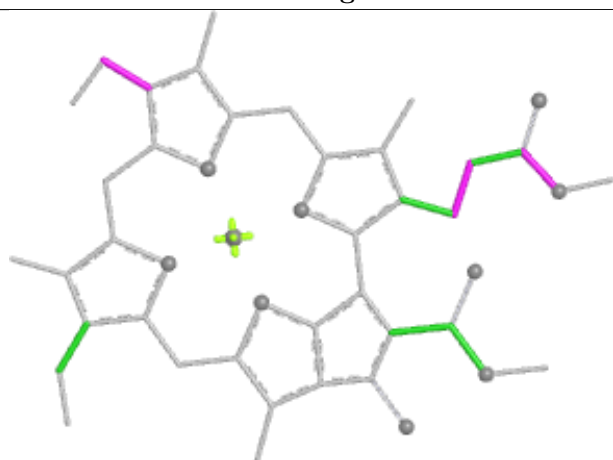
Ligand CLA O 203



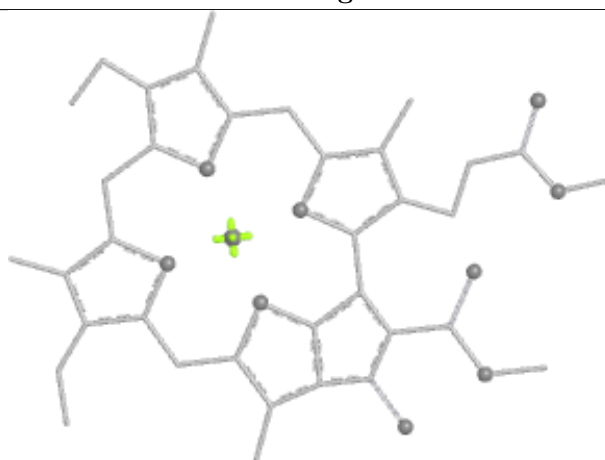
Bond lengths



Bond angles

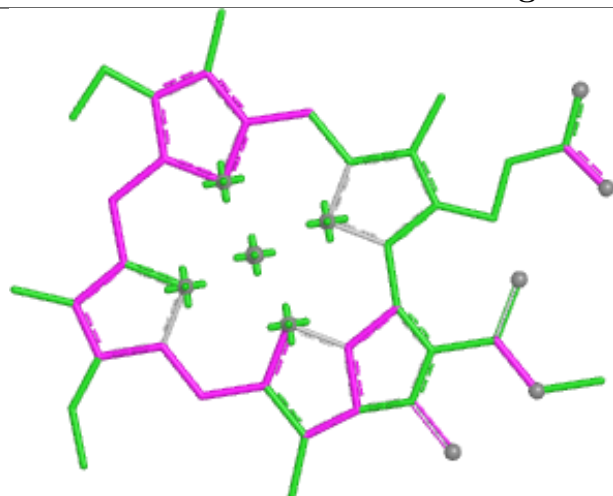


Torsions

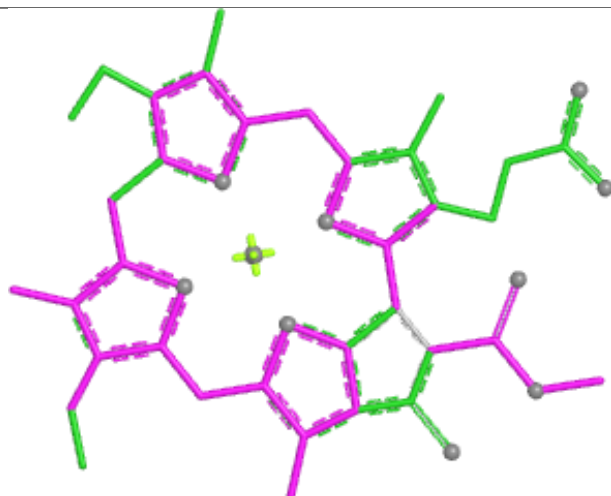


Rings

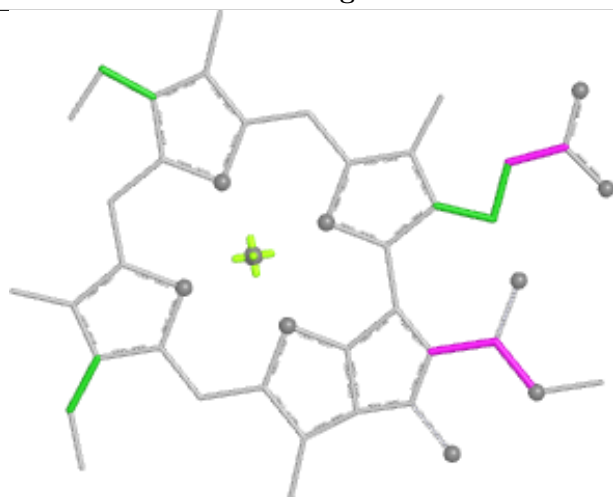
Ligand CLA 7 313



Bond lengths



Bond angles

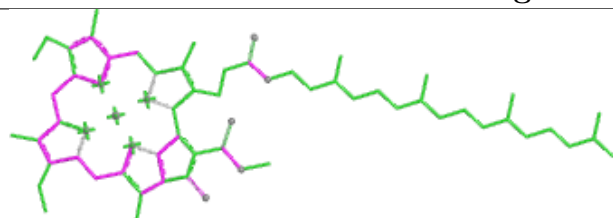


Torsions

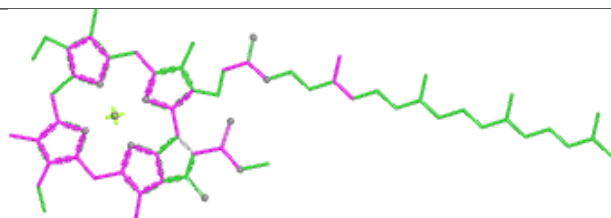


Rings

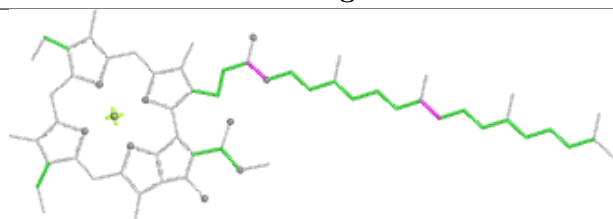
Ligand CLA A 811



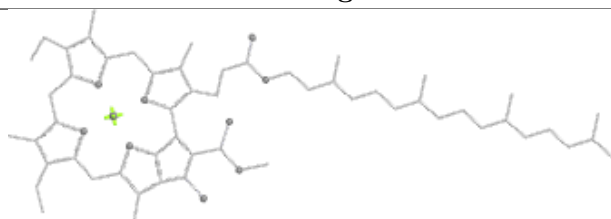
Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

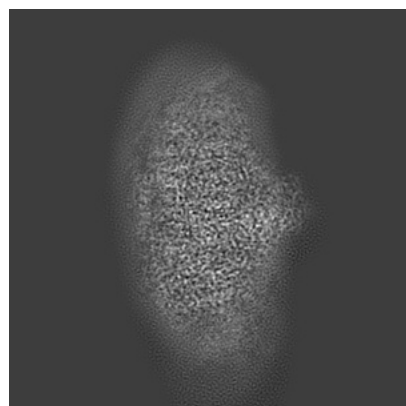
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-62242. These allow visual inspection of the internal detail of the map and identification of artifacts.

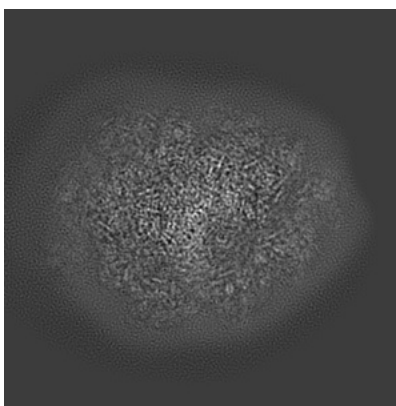
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

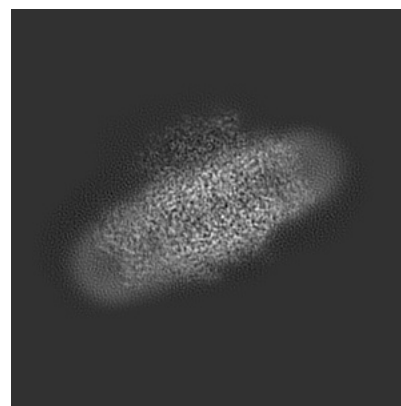
6.1.1 Primary map



X

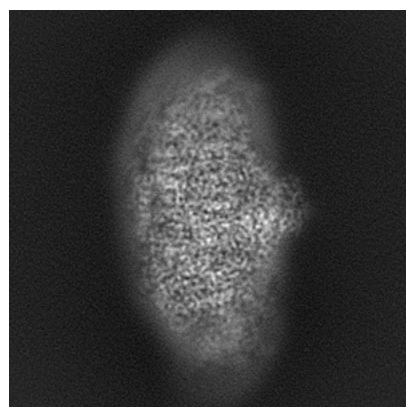


Y

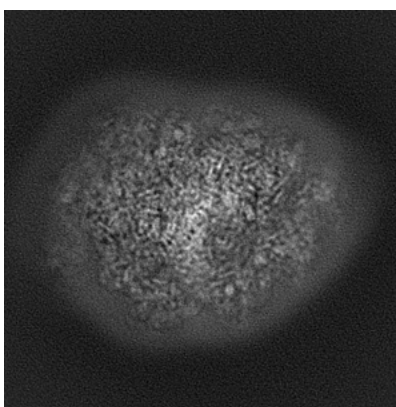


Z

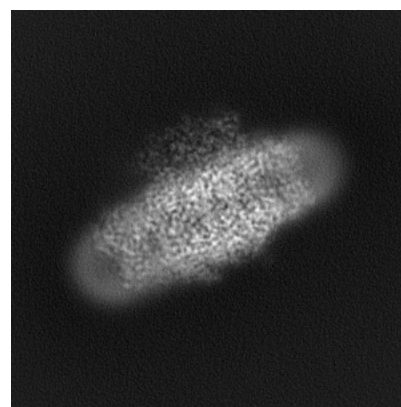
6.1.2 Raw map



X



Y

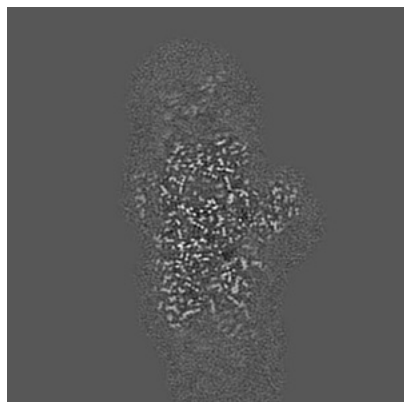


Z

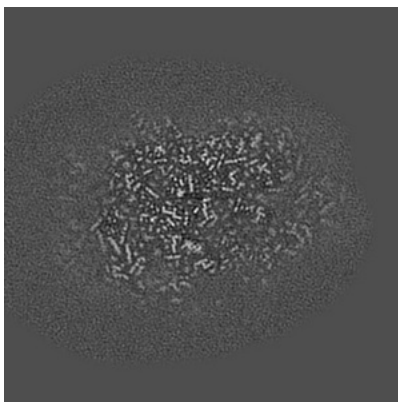
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

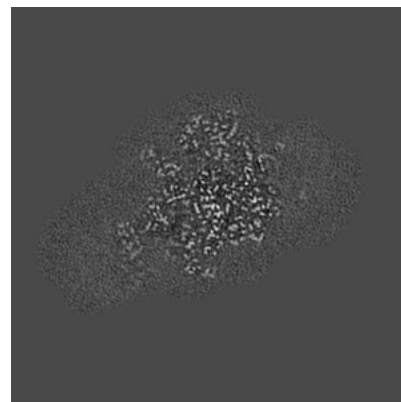
6.2.1 Primary map



X Index: 160

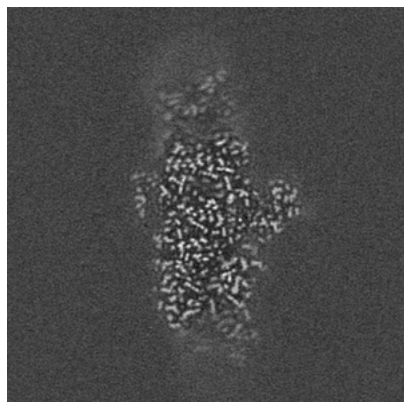


Y Index: 160

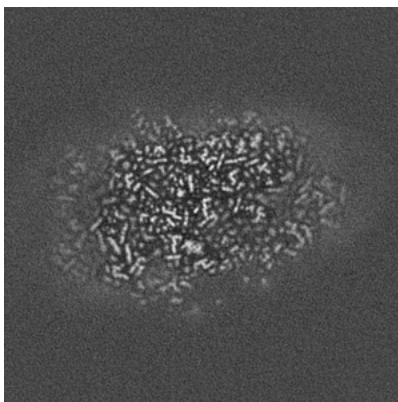


Z Index: 160

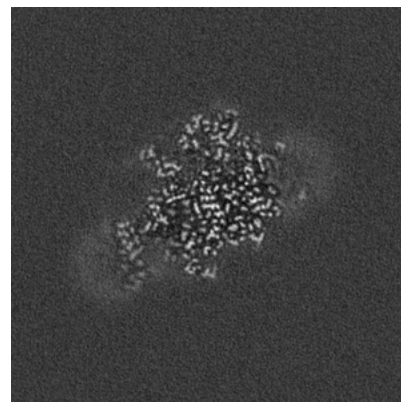
6.2.2 Raw map



X Index: 160



Y Index: 160

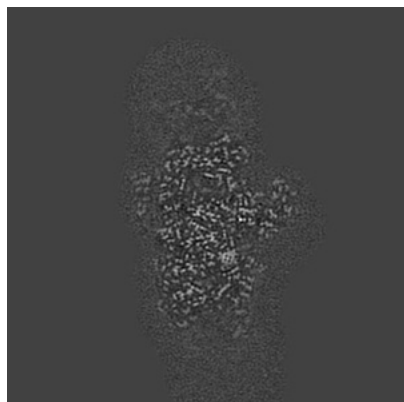


Z Index: 160

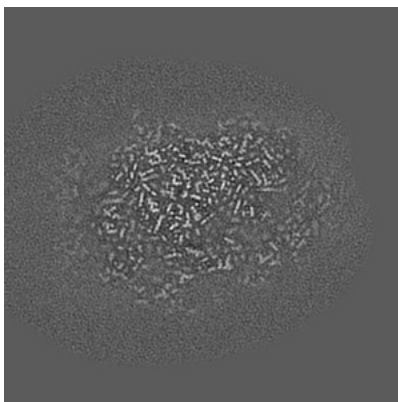
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

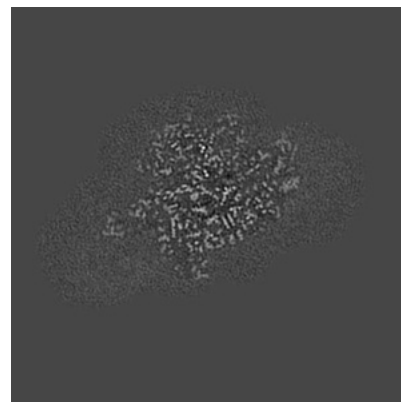
6.3.1 Primary map



X Index: 158

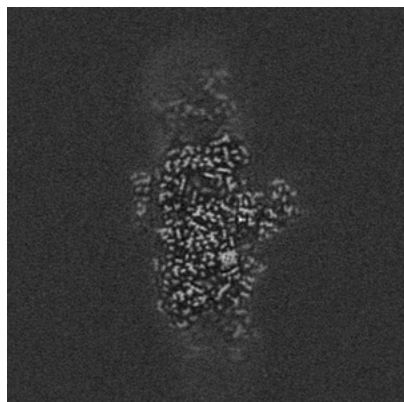


Y Index: 158

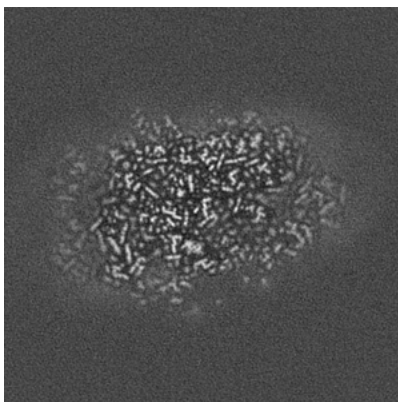


Z Index: 147

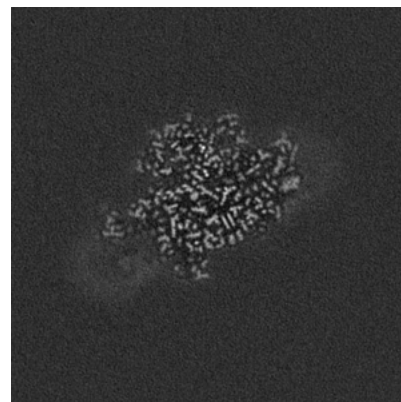
6.3.2 Raw map



X Index: 158



Y Index: 160

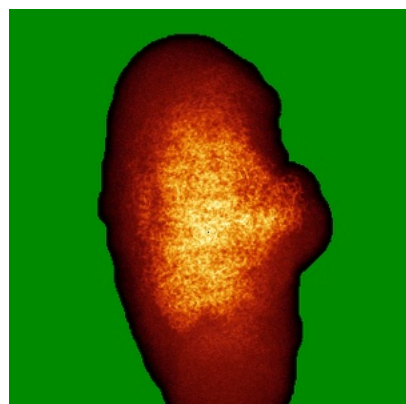


Z Index: 147

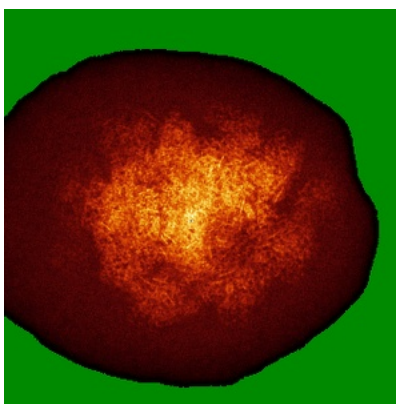
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) [i](#)

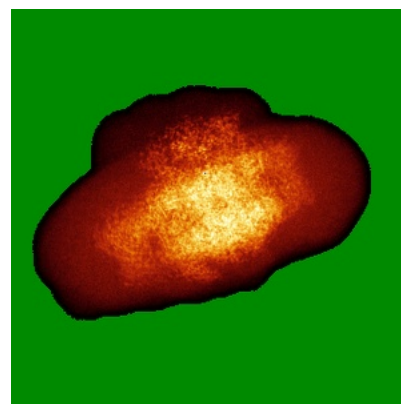
6.4.1 Primary map



X

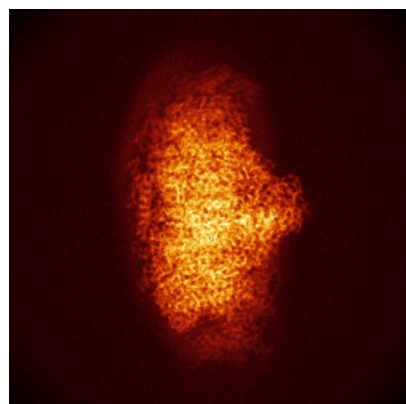


Y

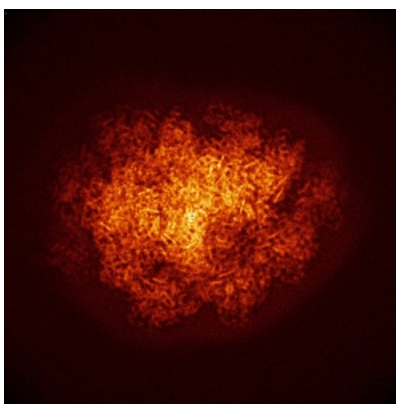


Z

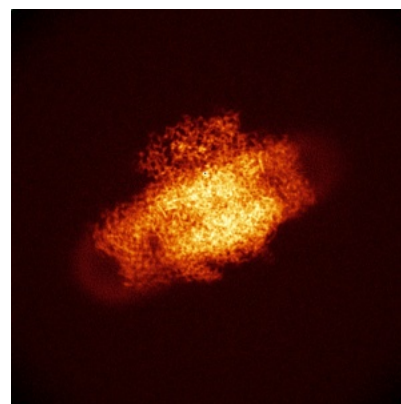
6.4.2 Raw map



X



Y

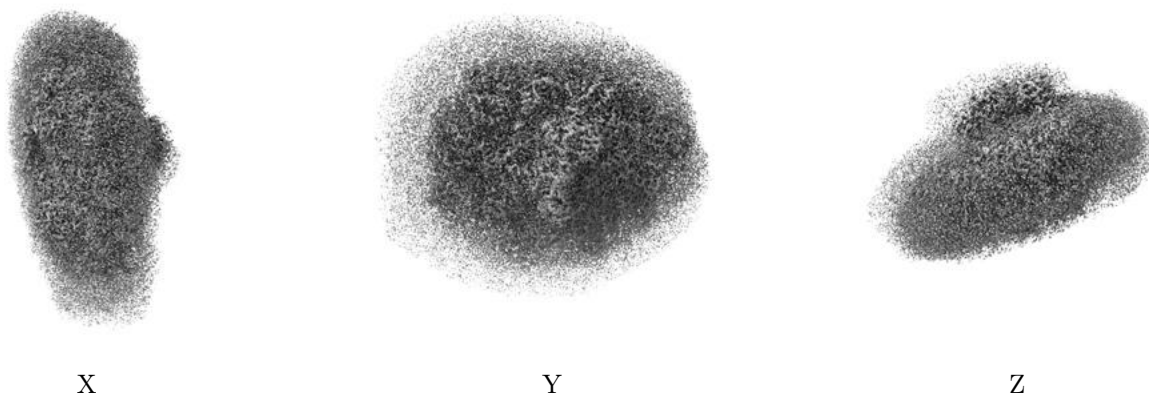


Z

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.

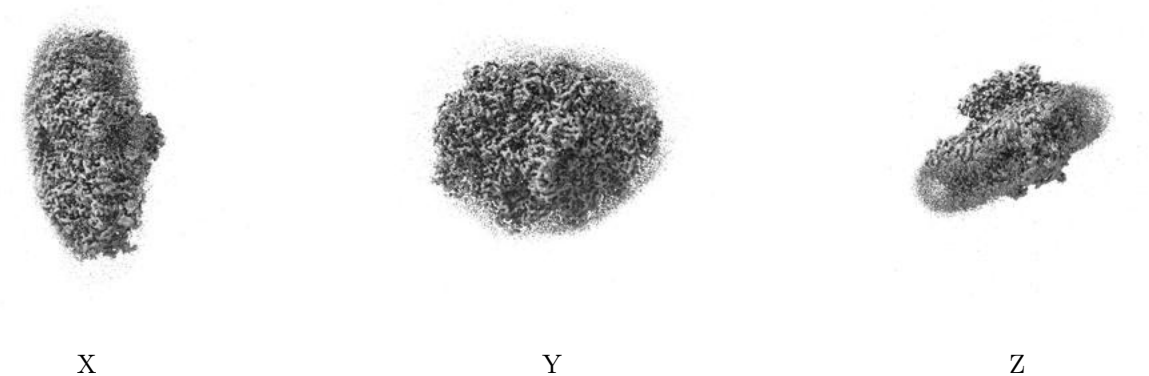
6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.011. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

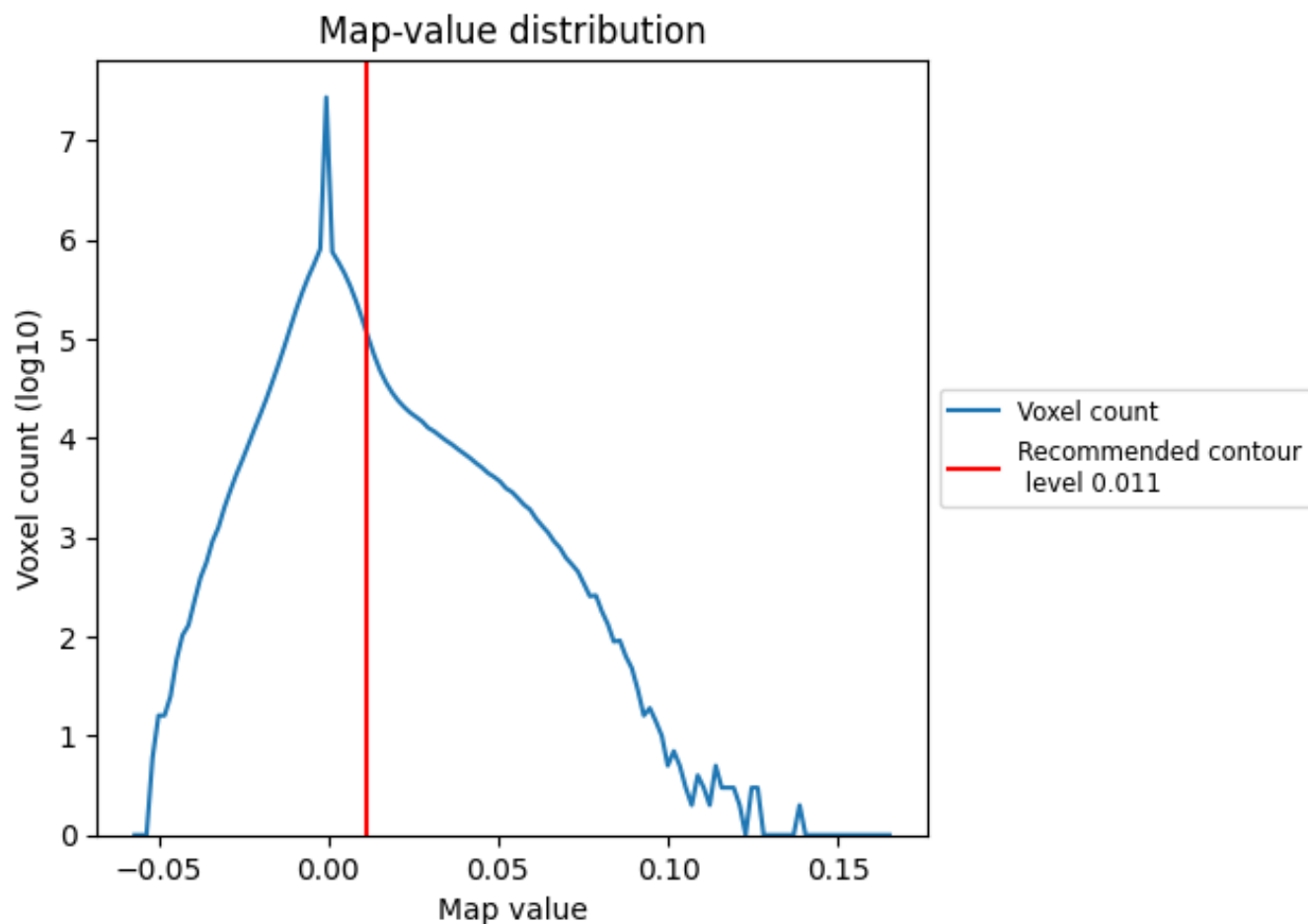
6.6 Mask visualisation [i](#)

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

7 Map analysis [i](#)

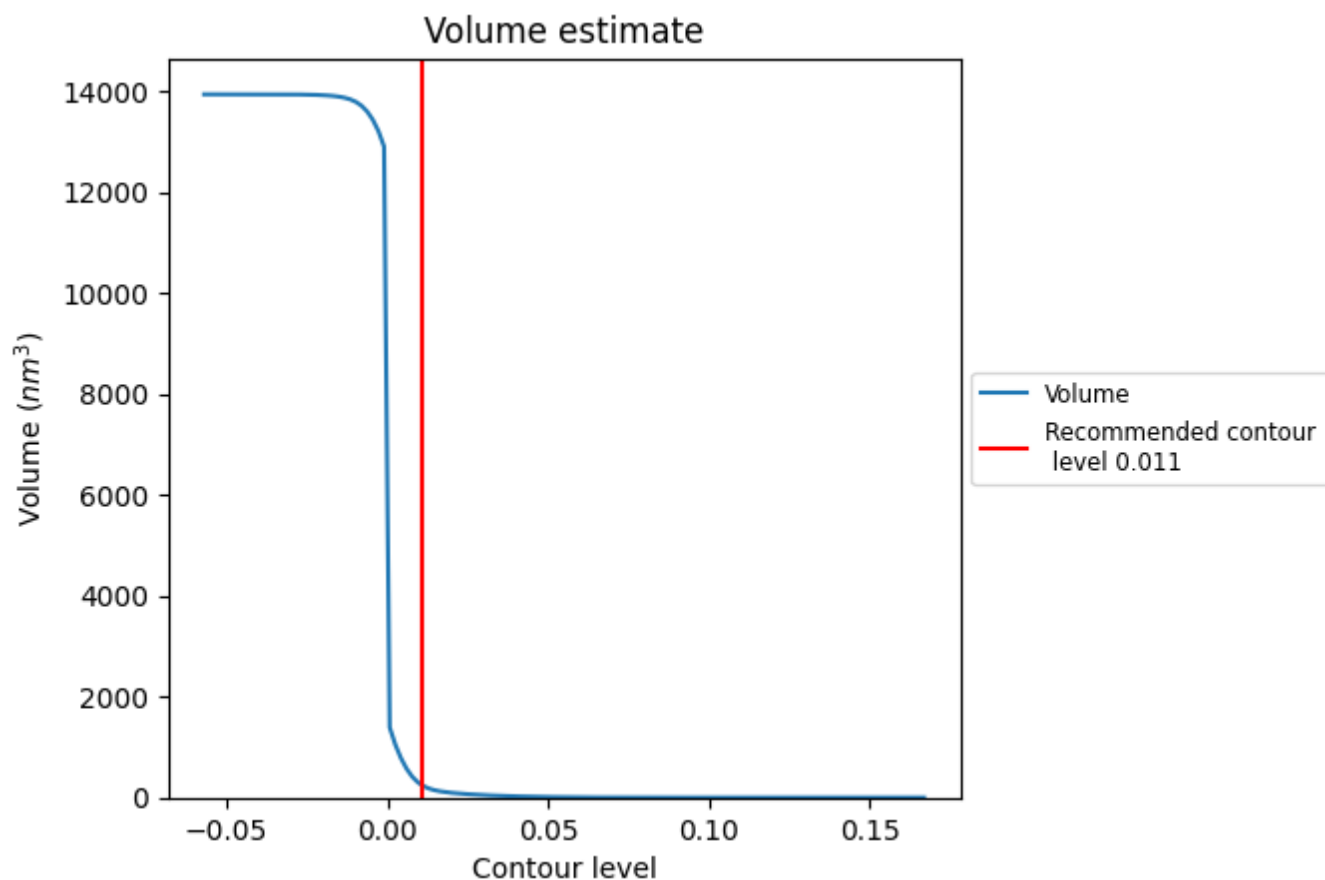
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



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.

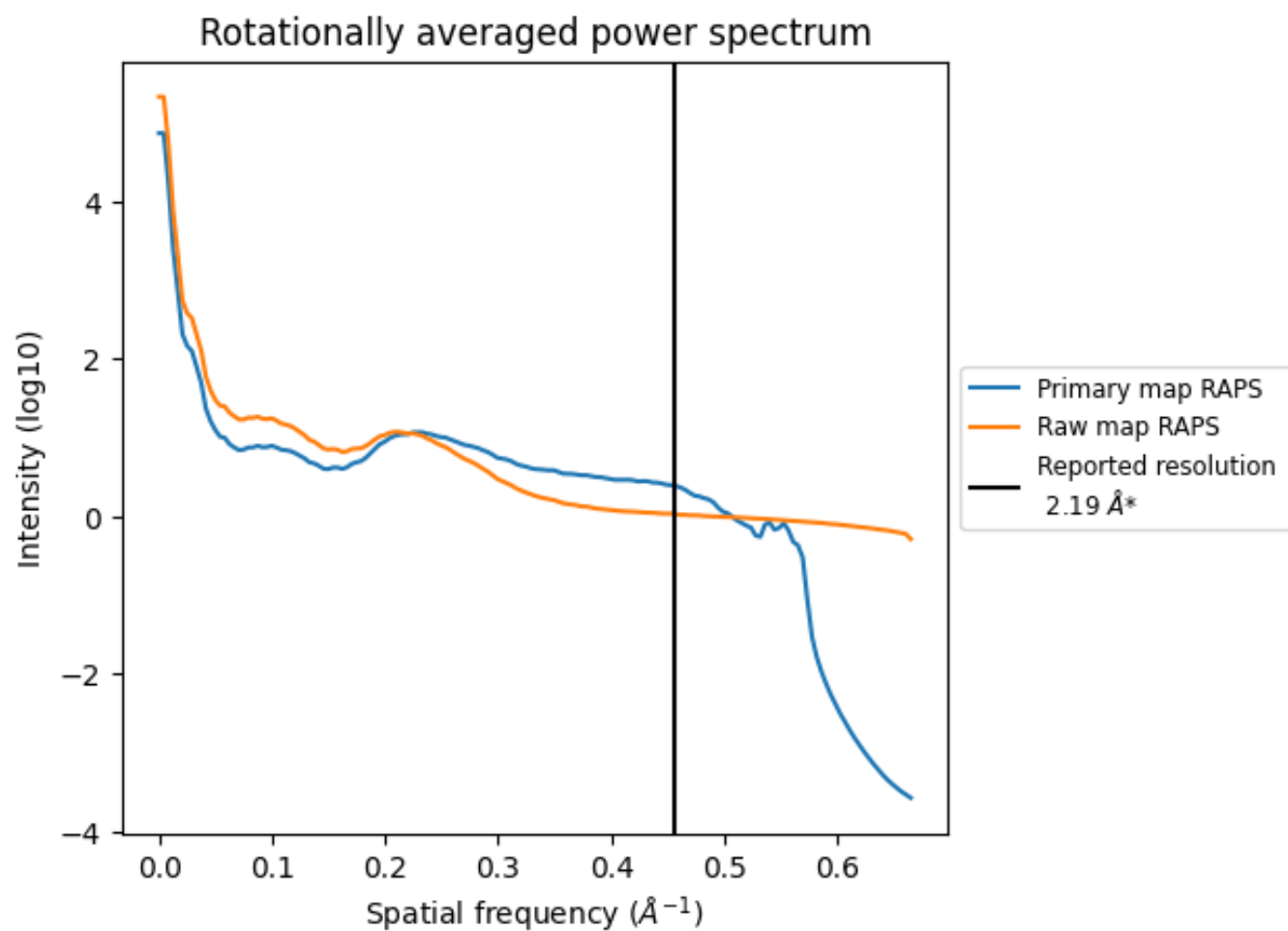
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 238 nm³; this corresponds to an approximate mass of 215 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 ⓘ

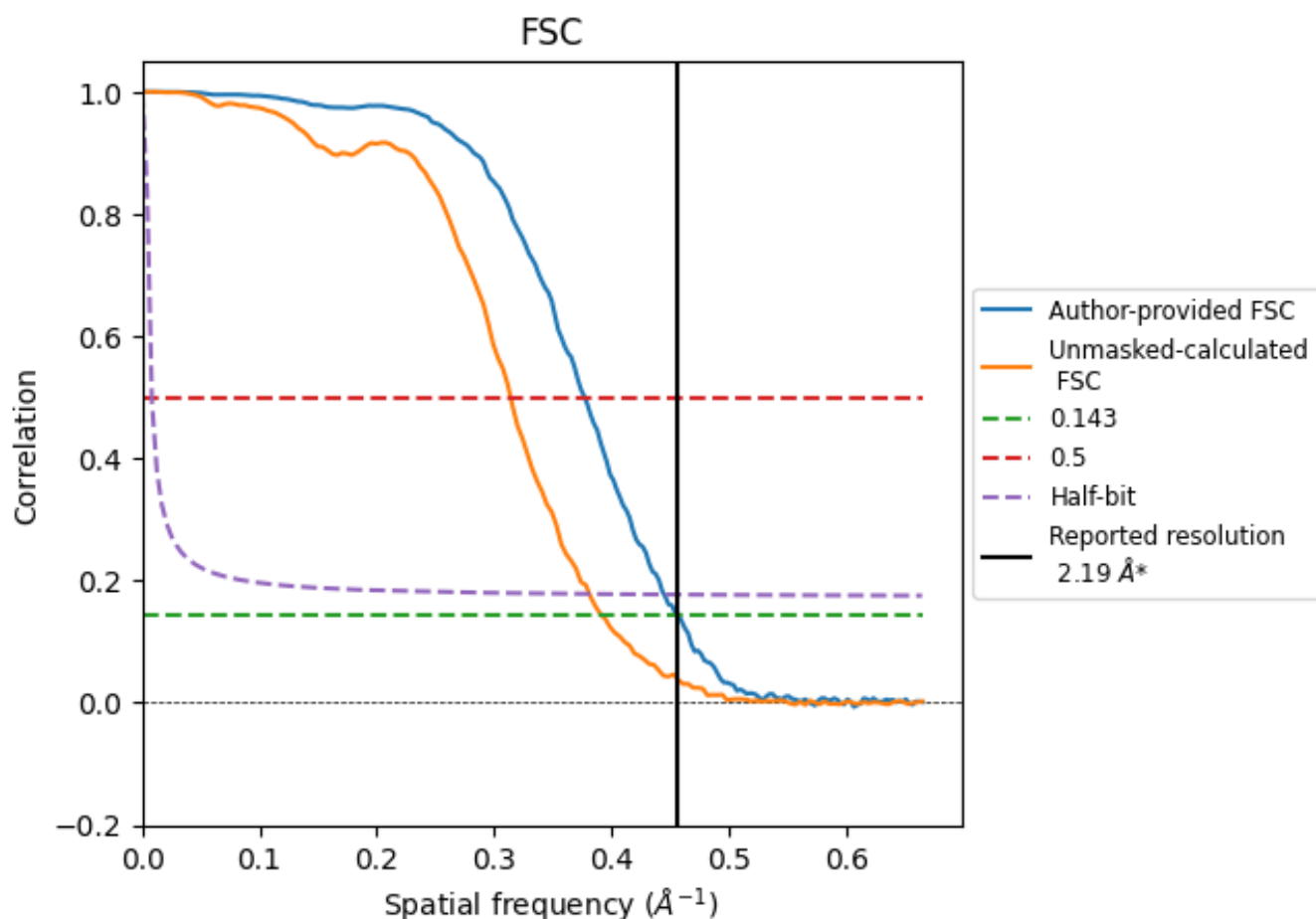


*Reported resolution corresponds to spatial frequency of 0.457 Å⁻¹

8 Fourier-Shell correlation [i](#)

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 [i](#)



*Reported resolution corresponds to spatial frequency of $0.457 \text{ \AA}^{-1}$

8.2 Resolution estimates [i](#)

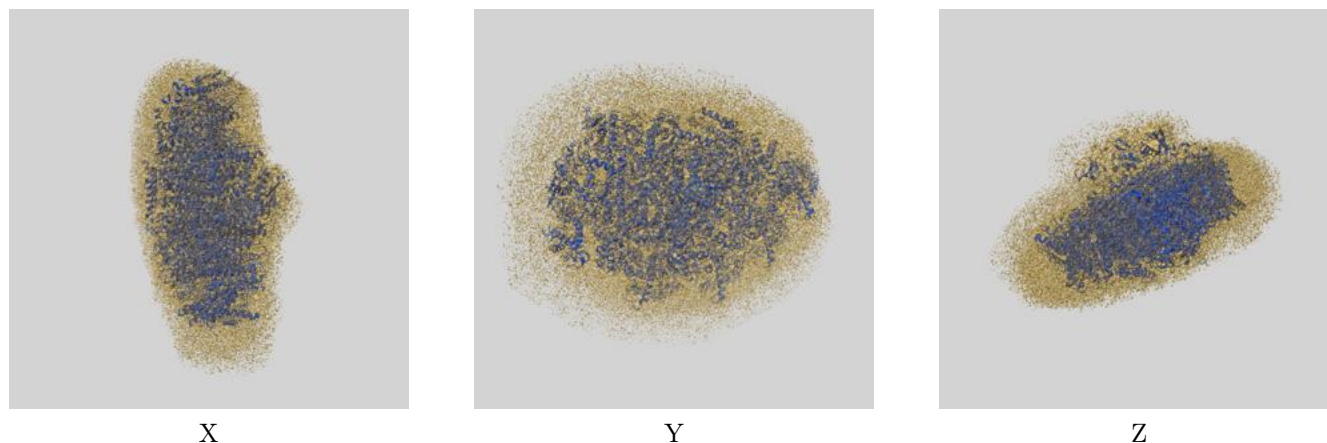
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.19	-	-
Author-provided FSC curve	2.19	2.65	2.24
Unmasked-calculated*	2.55	3.18	2.62

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 2.55 differs from the reported value 2.19 by more than 10 %

9 Map-model fit [i](#)

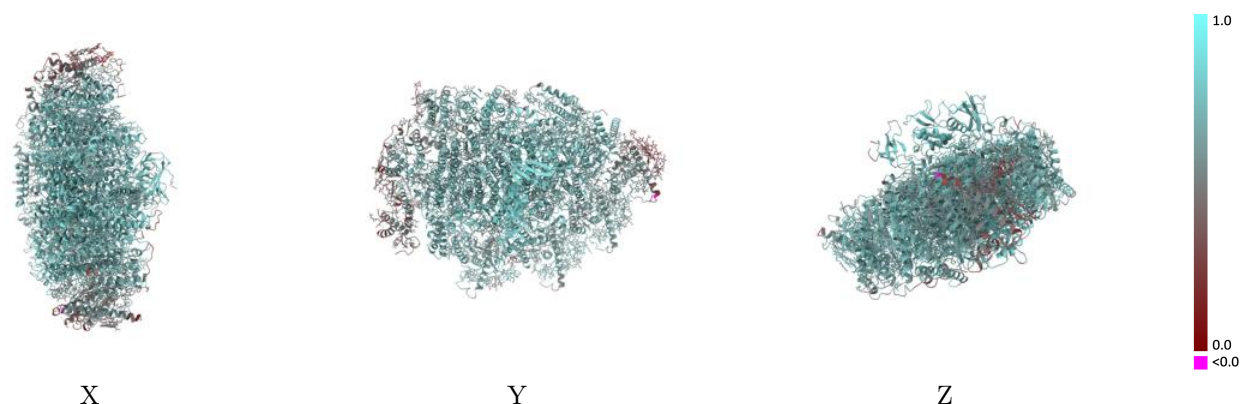
This section contains information regarding the fit between EMDB map EMD-62242 and PDB model 9KC5. Per-residue inclusion information can be found in section [3](#) on page [30](#).

9.1 Map-model overlay [i](#)



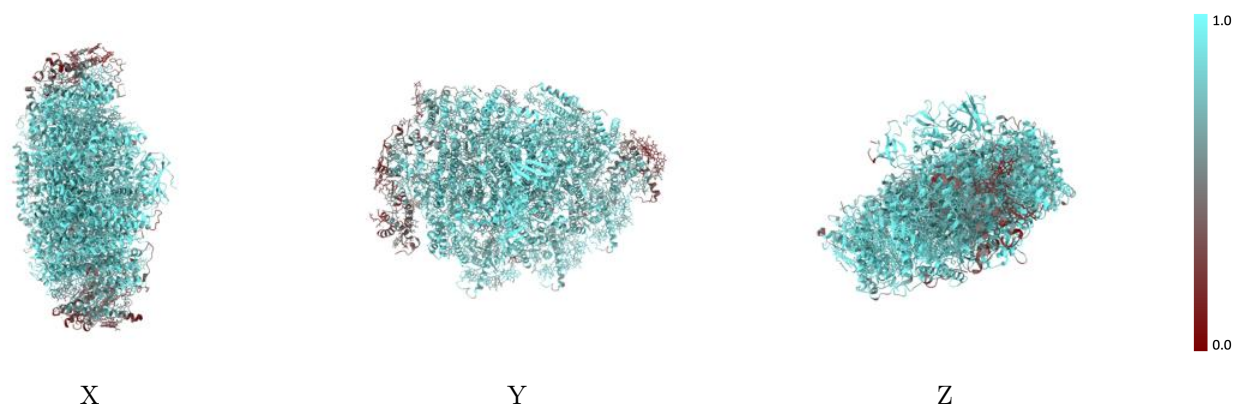
The images above show the 3D surface view of the map at the recommended contour level 0.011 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

9.2 Q-score mapped to coordinate model [i](#)



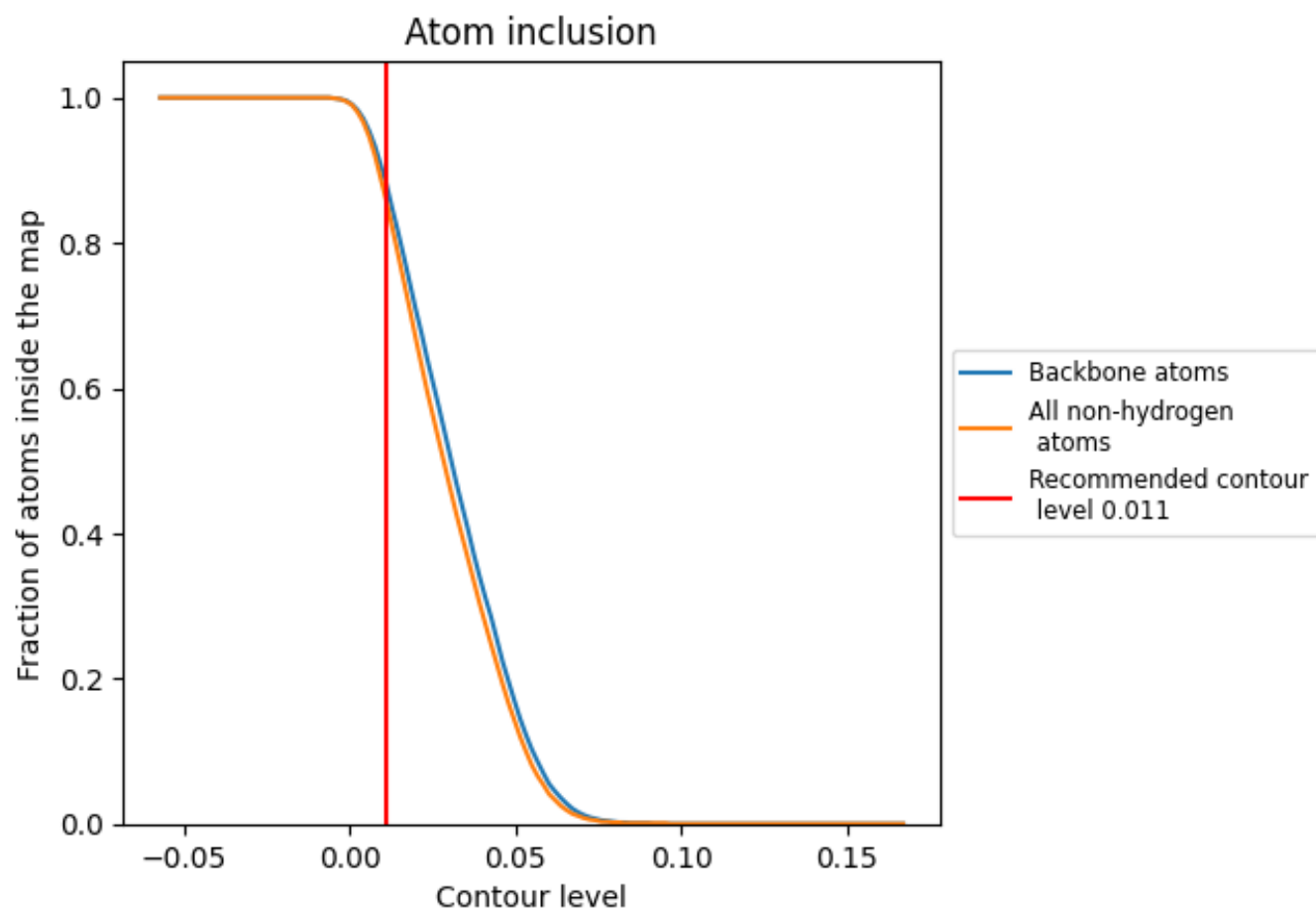
The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions 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 [i](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.011).

9.4 Atom inclusion [i](#)



At the recommended contour level, 88% of all backbone atoms, 86% 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 (0.011) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.8610	 0.6870
1	 0.7200	 0.6010
2	 0.5950	 0.5410
3	 0.3740	 0.4350
4	 0.8710	 0.6700
5	 0.8700	 0.6590
6	 0.8630	 0.6520
7	 0.5370	 0.4840
A	 0.9510	 0.7560
B	 0.9530	 0.7560
C	 0.9900	 0.7830
D	 0.9280	 0.7280
E	 0.8640	 0.6980
F	 0.9240	 0.7260
I	 0.8890	 0.6970
J	 0.9190	 0.7140
K	 0.8370	 0.6510
L	 0.8750	 0.6870
M	 0.7980	 0.6310
O	 0.8420	 0.6600
Z	 0.9320	 0.7120

