



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 5, 2026 – 10:05 AM UTC

PDB ID : 6GOU / pdb_00006gou
Title : Development of Alkyl Glycerone Phosphate Synthase Inhibitors: Complex with Inhibitor 2I
Authors : Mattevi, A.; Piano, V.
Deposited on : 2018-06-04
Resolution : 2.90 Å(reported)

This is a Full wwPDB X-ray Structure 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/XrayValidationReportHelp>

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:

MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

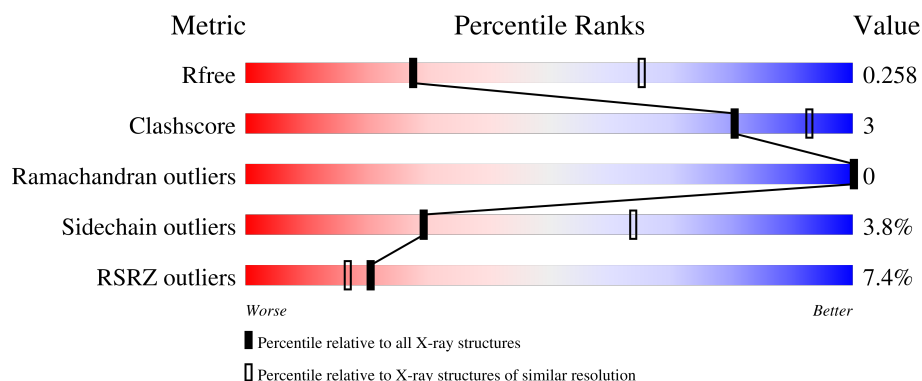
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.90 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)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	2481 (2.90-2.90)
Clashscore	190562	2690 (2.90-2.90)
Ramachandran outliers	187476	2623 (2.90-2.90)
Sidechain outliers	187428	2625 (2.90-2.90)
RSRZ outliers	180081	2481 (2.90-2.90)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower 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 electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	658	2% 76% 8% 16%
1	B	658	4% 75% 6% 18%
1	C	658	16% 75% 7% 19%
1	D	658	2% 76% 6% 18%

2 Entry composition [i](#)

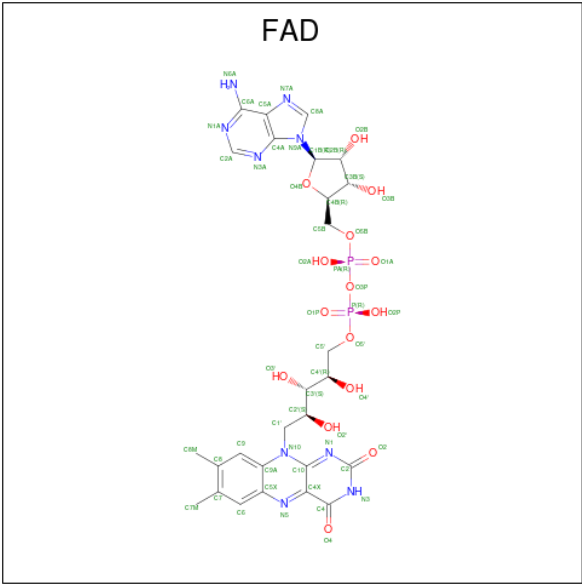
There are 3 unique types of molecules in this entry. The entry contains 17345 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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 Alkyldihydroxyacetonephosphate synthase, peroxisomal.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	D	540	Total	C	N	O	S	0	0	0
			4247	2697	735	791	24			
1	A	554	Total	C	N	O	S	0	0	0
			4355	2760	755	816	24			
1	B	540	Total	C	N	O	S	0	0	0
			4251	2699	736	792	24			
1	C	535	Total	C	N	O	S	0	0	0
			4205	2667	729	785	24			

- Molecule 2 is FLAVIN-ADENINE DINUCLEOTIDE (CCD ID: FAD) (formula: C₂₇H₃₃N₉O₁₅P₂).



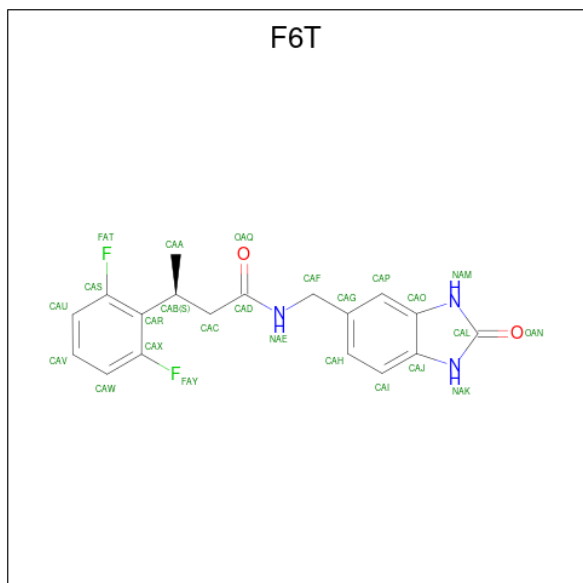
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	D	1	Total	C	N	O	P	0	0
			53	27	9	15	2		
2	A	1	Total	C	N	O	P	0	0
			53	27	9	15	2		

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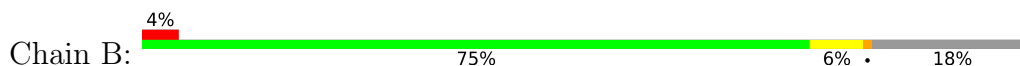
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	B	1	Total	C	N	O	P	0	0
			53	27	9	15	2		
2	C	1	Total	C	N	O	P	0	0
			53	27	9	15	2		

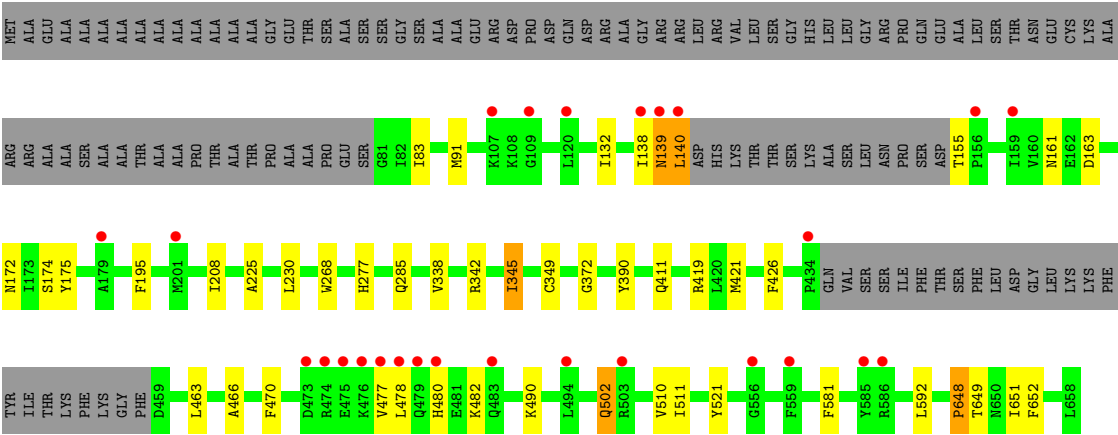
- Molecule 3 is (3 {S})-3-[2,6-bis(fluoranyl)phenyl]- {N}-[(2-oxidanylidene-1,3-dihydrobenzimidazol-5-yl)methyl]butanamide (CCD ID: F6T) (formula: C₁₈H₁₇F₂N₃O₂).



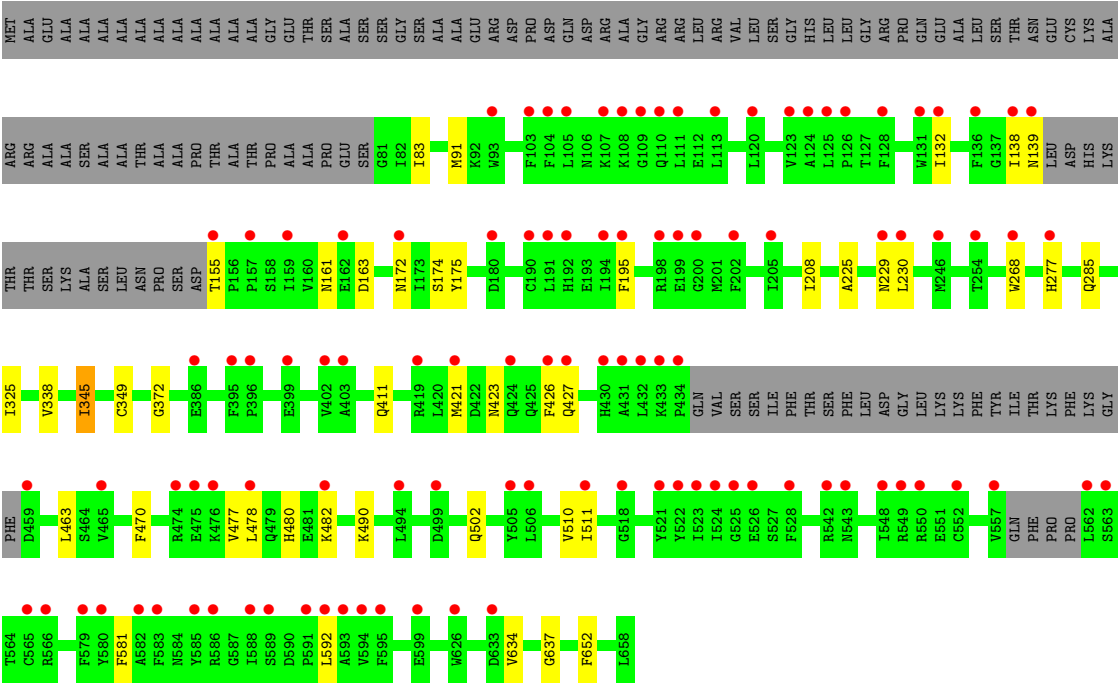
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
3	D	1	Total	C	F	N	O	0	0
			25	18	2	3	2		
3	A	1	Total	C	F	N	O	0	0
			25	18	2	3	2		
3	B	1	Total	C	F	N	O	0	0
			25	18	2	3	2		

- Molecule 1: Alkyldihydroxyacetonephosphate synthase, peroxisomal





● Molecule 1: Alkyldihydroxyacetonephosphate synthase, peroxisomal



4 Data and refinement statistics

Property	Value	Source
Space group	I 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	147.96Å 120.64Å 148.16Å 90.00° 95.27° 90.00°	Depositor
Resolution (Å)	48.00 – 2.90 48.00 – 2.90	Depositor EDS
% Data completeness (in resolution range)	100.0 (48.00-2.90) 100.0 (48.00-2.90)	Depositor EDS
R_{merge}	0.18	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.84 (at 2.91Å)	Xtriage
Refinement program	REFMAC 5.8.0189	Depositor
R, R_{free}	0.219 , 0.258 0.221 , 0.258	Depositor DCC
R_{free} test set	2934 reflections (5.10%)	wwPDB-VP
Wilson B-factor (Å ²)	45.6	Xtriage
Anisotropy	0.281	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 30.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtriage
Estimated twinning fraction	0.017 for l,-k,h	Xtriage
F_o, F_c correlation	0.91	EDS
Total number of atoms	17345	wwPDB-VP
Average B, all atoms (Å ²)	49.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 14.31% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: FAD, F6T

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	0.81	1/4454 (0.0%)	0.97	2/6030 (0.0%)
1	B	0.80	1/4347 (0.0%)	0.94	0/5883
1	C	0.77	0/4297	0.93	1/5812 (0.0%)
1	D	0.82	0/4343	0.95	1/5878 (0.0%)
All	All	0.80	2/17441 (0.0%)	0.95	4/23603 (0.0%)

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	B	648	PRO	C-O	-5.68	1.17	1.24
1	A	154	ASP	N-CA	5.53	1.53	1.46

All (4) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	154	ASP	CA-C-N	7.31	134.00	121.35
1	A	154	ASP	C-N-CA	7.31	134.00	121.35
1	C	325	ILE	CB-CA-C	-5.46	105.36	111.80
1	D	497	GLY	N-CA-C	5.36	119.36	112.18

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	4355	0	4263	27	0
1	B	4251	0	4163	31	0
1	C	4205	0	4114	20	0
1	D	4247	0	4157	29	0
2	A	53	0	31	0	0
2	B	53	0	31	0	0
2	C	53	0	31	0	0
2	D	53	0	31	0	0
3	A	25	0	0	0	0
3	B	25	0	0	0	0
3	D	25	0	0	0	0
All	All	17345	0	16821	87	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 (87) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:478:LEU:CD1	1:B:648:PRO:O	2.03	1.06
1:D:478:LEU:HD11	1:B:648:PRO:O	1.57	1.02
1:D:474:ARG:NH1	1:B:649:THR:OG1	2.01	0.94
1:D:474:ARG:HG2	1:B:649:THR:HG21	1.53	0.89
1:D:475:GLU:OE1	1:B:342:ARG:NH2	2.11	0.83
1:D:474:ARG:HH12	1:B:651:ILE:HG13	1.48	0.79
1:D:474:ARG:CZ	1:B:649:THR:OG1	2.33	0.75
1:A:372:GLY:HA2	1:A:652:PHE:CE2	2.27	0.70
1:A:634:VAL:HB	1:C:345:ILE:HG23	1.75	0.68
1:D:478:LEU:HD12	1:B:648:PRO:O	1.92	0.68
1:C:372:GLY:HA2	1:C:652:PHE:CE2	2.34	0.63
1:B:175:TYR:HD2	1:B:208:ILE:HD11	1.65	0.61
1:D:175:TYR:HD2	1:D:208:ILE:HD11	1.66	0.60
1:C:175:TYR:HD2	1:C:208:ILE:HD11	1.66	0.60
1:B:372:GLY:HA2	1:B:652:PHE:CE2	2.37	0.59
1:D:474:ARG:HH12	1:B:651:ILE:CG1	2.14	0.59
1:A:175:TYR:HD2	1:A:208:ILE:HD11	1.68	0.59
1:D:372:GLY:HA2	1:D:652:PHE:CE2	2.39	0.57
1:D:474:ARG:CG	1:B:649:THR:HG21	2.30	0.54
1:A:338:VAL:HB	1:A:345:ILE:HG13	1.90	0.54
1:D:475:GLU:CD	1:B:342:ARG:HH22	2.12	0.54
1:A:345:ILE:HG23	1:C:634:VAL:HB	1.89	0.54
1:D:474:ARG:NH1	1:B:651:ILE:HD11	2.23	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:338:VAL:HB	1:D:345:ILE:HG13	1.91	0.53
1:C:338:VAL:HB	1:C:345:ILE:HG13	1.89	0.53
1:B:338:VAL:HB	1:B:345:ILE:HG13	1.92	0.51
1:C:268:TRP:CH2	1:C:277:HIS:HB2	2.47	0.50
1:C:268:TRP:CZ3	1:C:277:HIS:HB2	2.47	0.49
1:B:161:ASN:OD1	1:B:163:ASP:N	2.45	0.49
1:C:195:PHE:CD2	1:C:592:LEU:HD21	2.48	0.49
1:A:268:TRP:CZ3	1:A:277:HIS:HB2	2.48	0.48
1:A:268:TRP:CH2	1:A:277:HIS:HB2	2.49	0.48
1:C:470:PHE:HB3	1:C:477:VAL:HG13	1.95	0.47
1:D:475:GLU:HA	1:B:648:PRO:HB2	1.96	0.47
1:D:421:MET:CE	1:D:426:PHE:HA	2.44	0.47
1:A:195:PHE:CD2	1:A:592:LEU:HD21	2.49	0.47
1:A:470:PHE:HB3	1:A:477:VAL:HG13	1.96	0.47
1:B:225:ALA:HA	1:B:230:LEU:HD12	1.97	0.47
1:A:129:LYS:HG3	1:A:140:LEU:HD22	1.97	0.47
1:A:151:ASN:ND2	1:A:154:ASP:OD1	2.48	0.47
1:A:342:ARG:HG3	1:C:634:VAL:HG22	1.97	0.47
1:A:421:MET:CE	1:A:426:PHE:HA	2.45	0.47
1:B:195:PHE:CD2	1:B:592:LEU:HD21	2.51	0.46
1:A:138:ILE:HD13	1:A:140:LEU:HD12	1.97	0.46
1:D:195:PHE:CD2	1:D:592:LEU:HD21	2.50	0.46
1:C:421:MET:CE	1:C:426:PHE:HA	2.46	0.46
1:A:150:LEU:HD11	1:A:201:MET:HE1	1.98	0.46
1:A:138:ILE:HD13	1:A:140:LEU:CD1	2.46	0.45
1:A:143:LYS:HD2	1:A:521:TYR:CE1	2.51	0.45
1:D:423:ASN:OD1	1:D:427:GLN:NE2	2.49	0.45
1:D:83:ILE:HG23	1:D:91:MET:HE1	1.98	0.45
1:B:83:ILE:HG23	1:B:91:MET:HE1	1.99	0.45
1:A:225:ALA:HA	1:A:230:LEU:HD12	1.97	0.45
1:B:421:MET:CE	1:B:426:PHE:HA	2.46	0.45
1:B:470:PHE:HB3	1:B:477:VAL:HG13	1.99	0.45
1:D:470:PHE:HB3	1:D:477:VAL:HG13	1.97	0.45
1:A:132:ILE:HG22	1:A:138:ILE:HD11	1.98	0.45
1:D:225:ALA:HA	1:D:230:LEU:HD12	1.98	0.44
1:A:83:ILE:HG23	1:A:91:MET:HE1	1.98	0.44
1:A:423:ASN:OD1	1:A:427:GLN:NE2	2.50	0.44
1:C:132:ILE:HG22	1:C:138:ILE:HD11	1.98	0.44
1:D:474:ARG:NH1	1:B:651:ILE:CD1	2.80	0.44
1:C:423:ASN:OD1	1:C:427:GLN:NE2	2.50	0.44
1:C:338:VAL:HB	1:C:345:ILE:CG1	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:338:VAL:HB	1:D:345:ILE:CG1	2.48	0.43
1:A:338:VAL:HB	1:A:345:ILE:CG1	2.47	0.43
1:C:229:ASN:O	1:C:229:ASN:CG	2.61	0.43
1:A:562:LEU:O	1:A:581:PHE:HA	2.18	0.43
1:D:132:ILE:HG22	1:D:138:ILE:HD11	2.01	0.43
1:C:225:ALA:HA	1:C:230:LEU:HD12	1.99	0.43
1:D:139:ASN:HD22	1:D:139:ASN:HA	1.66	0.43
1:B:132:ILE:HG22	1:B:138:ILE:HD11	2.01	0.42
1:C:161:ASN:OD1	1:C:163:ASP:N	2.52	0.42
1:A:161:ASN:OD1	1:A:163:ASP:N	2.53	0.42
1:B:419:ARG:O	1:B:466:ALA:HA	2.20	0.42
1:C:83:ILE:HG23	1:C:91:MET:HE1	2.01	0.42
1:A:634:VAL:HB	1:C:345:ILE:CG2	2.49	0.42
1:B:268:TRP:CH2	1:B:277:HIS:HB2	2.54	0.41
1:B:140:LEU:HG	1:B:521:TYR:CE2	2.56	0.41
1:B:139:ASN:HD22	1:B:139:ASN:HA	1.66	0.41
1:B:268:TRP:CZ3	1:B:277:HIS:HB2	2.56	0.41
1:D:268:TRP:CH2	1:D:277:HIS:HB2	2.56	0.41
1:D:474:ARG:HG2	1:B:649:THR:CG2	2.39	0.40
1:B:390:TYR:CD1	1:B:502:GLN:HG3	2.56	0.40
1:D:139:ASN:O	1:D:140:LEU:CB	2.69	0.40
1:A:645:TYR:CZ	1:C:637:GLY:HA3	2.57	0.40
1:A:419:ARG:O	1:A:466:ALA:HA	2.21	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 X-ray entries followed by that with respect to entries of similar resolution.

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	550/658 (84%)	534 (97%)	16 (3%)	0	100	100
1	B	534/658 (81%)	519 (97%)	15 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	C	527/658 (80%)	513 (97%)	14 (3%)	0	100	100
1	D	534/658 (81%)	520 (97%)	14 (3%)	0	100	100
All	All	2145/2632 (82%)	2086 (97%)	59 (3%)	0	100	100

There are no Ramachandran outliers to report.

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 X-ray entries followed by that with respect to entries of similar resolution.

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	469/545 (86%)	451 (96%)	18 (4%)	29	64
1	B	456/545 (84%)	438 (96%)	18 (4%)	28	63
1	C	450/545 (83%)	433 (96%)	17 (4%)	29	64
1	D	455/545 (84%)	438 (96%)	17 (4%)	30	64
All	All	1830/2180 (84%)	1760 (96%)	70 (4%)	29	64

All (70) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	D	139	ASN
1	D	155	THR
1	D	172	ASN
1	D	174	SER
1	D	285	GLN
1	D	345	ILE
1	D	349	CYS
1	D	411	GLN
1	D	463	LEU
1	D	478	LEU
1	D	480	HIS
1	D	482	LYS
1	D	490	LYS
1	D	502	GLN

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Mol	Chain	Res	Type
1	D	510	VAL
1	D	511	ILE
1	D	581	PHE
1	A	139	ASN
1	A	153	SER
1	A	172	ASN
1	A	174	SER
1	A	285	GLN
1	A	323	LYS
1	A	345	ILE
1	A	349	CYS
1	A	411	GLN
1	A	463	LEU
1	A	478	LEU
1	A	480	HIS
1	A	482	LYS
1	A	490	LYS
1	A	502	GLN
1	A	510	VAL
1	A	511	ILE
1	A	581	PHE
1	B	139	ASN
1	B	140	LEU
1	B	155	THR
1	B	172	ASN
1	B	174	SER
1	B	285	GLN
1	B	345	ILE
1	B	349	CYS
1	B	411	GLN
1	B	463	LEU
1	B	478	LEU
1	B	480	HIS
1	B	482	LYS
1	B	490	LYS
1	B	502	GLN
1	B	510	VAL
1	B	511	ILE
1	B	581	PHE
1	C	139	ASN
1	C	155	THR
1	C	172	ASN

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Mol	Chain	Res	Type
1	C	174	SER
1	C	285	GLN
1	C	345	ILE
1	C	349	CYS
1	C	411	GLN
1	C	463	LEU
1	C	478	LEU
1	C	480	HIS
1	C	482	LYS
1	C	490	LYS
1	C	502	GLN
1	C	510	VAL
1	C	511	ILE
1	C	581	PHE

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (28) such sidechains are listed below:

Mol	Chain	Res	Type
1	D	139	ASN
1	D	229	ASN
1	D	285	GLN
1	D	361	HIS
1	D	400	GLN
1	D	411	GLN
1	D	500	ASN
1	A	139	ASN
1	A	285	GLN
1	A	300	HIS
1	A	400	GLN
1	A	479	GLN
1	A	500	ASN
1	A	558	GLN
1	B	139	ASN
1	B	189	HIS
1	B	285	GLN
1	B	300	HIS
1	B	361	HIS
1	B	400	GLN
1	B	411	GLN
1	B	500	ASN
1	B	558	GLN
1	C	139	ASN

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Mol	Chain	Res	Type
1	C	300	HIS
1	C	400	GLN
1	C	411	GLN
1	C	500	ASN

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

7 ligands are modelled in this entry.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# $ Z > 2$	Counts	RMSZ	# $ Z > 2$
2	FAD	D	701	-	58,58,58	1.69	9 (15%)	85,89,89	1.54	14 (16%)
3	F6T	D	702	-	27,27,27	2.10	8 (29%)	38,38,38	1.48	4 (10%)
2	FAD	A	701	-	58,58,58	1.41	9 (15%)	85,89,89	1.75	21 (24%)
2	FAD	C	701	-	58,58,58	1.51	11 (18%)	85,89,89	1.73	19 (22%)
2	FAD	B	701	-	58,58,58	1.58	10 (17%)	85,89,89	1.74	23 (27%)
3	F6T	A	702	-	27,27,27	2.21	10 (37%)	38,38,38	1.72	9 (23%)
3	F6T	B	702	-	27,27,27	2.14	13 (48%)	38,38,38	1.54	6 (15%)

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
2	FAD	D	701	-	-	4/34/50/50	0/6/6/6
3	F6T	D	702	-	-	2/13/13/13	0/3/3/3
2	FAD	A	701	-	-	4/34/50/50	0/6/6/6
2	FAD	C	701	-	-	6/34/50/50	0/6/6/6
2	FAD	B	701	-	-	6/34/50/50	0/6/6/6
3	F6T	A	702	-	-	0/13/13/13	0/3/3/3
3	F6T	B	702	-	-	1/13/13/13	0/3/3/3

All (70) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	A	702	F6T	CAR-CAB	-6.61	1.42	1.51
2	D	701	FAD	C9A-C5X	5.72	1.50	1.41
2	C	701	FAD	C9A-C5X	5.64	1.50	1.41
3	D	702	F6T	CAR-CAB	-5.17	1.44	1.51
3	D	702	F6T	FAY-CAX	-5.14	1.21	1.35
2	B	701	FAD	C9A-C5X	5.00	1.49	1.41
3	B	702	F6T	FAT-CAS	-4.52	1.23	1.35
2	B	701	FAD	C5A-C4A	4.50	1.47	1.39
2	D	701	FAD	C5A-C4A	4.23	1.46	1.39
2	D	701	FAD	PA-O3P	4.23	1.64	1.59
3	B	702	F6T	CAR-CAB	-3.94	1.46	1.51
2	C	701	FAD	C5A-C4A	3.77	1.45	1.39
3	B	702	F6T	CAF-CAG	-3.74	1.43	1.51
2	D	701	FAD	C5A-N7A	-3.71	1.32	1.39
2	A	701	FAD	C9A-C5X	3.60	1.47	1.41
3	A	702	F6T	CAF-CAG	-3.52	1.43	1.51
3	D	702	F6T	CAF-CAG	-3.51	1.43	1.51
3	A	702	F6T	CAI-CAJ	-3.46	1.34	1.39
2	A	701	FAD	C5A-C4A	3.43	1.45	1.39
2	A	701	FAD	C5A-N7A	-3.41	1.32	1.39
2	D	701	FAD	C8-C7	3.37	1.49	1.40
2	B	701	FAD	C5A-N7A	-3.32	1.33	1.39
2	A	701	FAD	C8A-N7A	3.32	1.38	1.31
2	B	701	FAD	C8A-N7A	3.19	1.37	1.31
2	C	701	FAD	C8-C7	3.17	1.48	1.40
2	B	701	FAD	C8-C7	3.14	1.48	1.40
2	B	701	FAD	C5X-N5	-3.07	1.33	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	A	701	FAD	C5X-N5	-3.02	1.33	1.39
2	D	701	FAD	C4A-N9A	-2.95	1.31	1.37
3	A	702	F6T	CAO-NAM	-2.91	1.33	1.38
2	D	701	FAD	C8A-N7A	2.91	1.37	1.31
3	B	702	F6T	CAL-NAM	-2.89	1.32	1.37
2	D	701	FAD	P-O3P	2.85	1.62	1.59
3	A	702	F6T	FAY-CAX	2.83	1.43	1.35
2	C	701	FAD	PA-O3P	2.79	1.62	1.59
3	A	702	F6T	CAP-CAO	-2.74	1.35	1.39
2	A	701	FAD	C4A-N9A	-2.67	1.32	1.37
3	B	702	F6T	CAL-NAK	-2.66	1.33	1.37
3	B	702	F6T	CAR-CAS	2.66	1.42	1.39
3	B	702	F6T	CAP-CAO	-2.64	1.35	1.39
2	A	701	FAD	C8-C7	2.56	1.47	1.40
3	D	702	F6T	CAI-CAJ	-2.51	1.35	1.39
3	B	702	F6T	CAI-CAJ	-2.45	1.35	1.39
3	A	702	F6T	CAR-CAS	2.43	1.41	1.39
2	B	701	FAD	O4-C4	2.38	1.28	1.23
3	B	702	F6T	CAF-NAE	2.37	1.50	1.46
3	D	702	F6T	CAL-NAM	-2.36	1.33	1.37
3	D	702	F6T	CAJ-CAO	-2.34	1.34	1.40
2	C	701	FAD	C5A-C6A	2.34	1.47	1.41
2	C	701	FAD	P-O3P	2.33	1.62	1.59
3	A	702	F6T	CAL-NAM	-2.32	1.33	1.37
2	C	701	FAD	C8A-N7A	2.31	1.36	1.31
3	B	702	F6T	CAO-NAM	-2.30	1.34	1.38
2	C	701	FAD	C4A-N9A	-2.26	1.33	1.37
3	B	702	F6T	CAJ-CAO	-2.26	1.35	1.40
2	C	701	FAD	C5A-N7A	-2.23	1.35	1.39
2	A	701	FAD	P-O3P	2.23	1.61	1.59
2	B	701	FAD	C4X-N5	2.20	1.35	1.30
2	B	701	FAD	PA-O3P	2.18	1.61	1.59
3	A	702	F6T	CAJ-NAK	-2.18	1.34	1.38
3	B	702	F6T	CAC-CAD	2.17	1.56	1.51
3	B	702	F6T	CAR-CAX	2.17	1.41	1.39
2	A	701	FAD	C4X-N5	2.16	1.35	1.30
2	C	701	FAD	C5X-N5	-2.10	1.35	1.39
2	D	701	FAD	C10-N10	2.09	1.41	1.37
2	C	701	FAD	C4X-N5	2.08	1.35	1.30
2	B	701	FAD	C4A-N9A	-2.07	1.33	1.37
3	D	702	F6T	CAO-NAM	-2.05	1.35	1.38
3	D	702	F6T	CAF-NAE	2.03	1.50	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	A	702	F6T	CAJ-CAO	-2.02	1.35	1.40

All (96) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	701	FAD	C5A-C4A-N3A	-5.88	118.61	126.72
2	A	701	FAD	C5A-C4A-N3A	-5.87	118.63	126.72
2	D	701	FAD	C5A-C4A-N3A	-5.25	119.48	126.72
2	B	701	FAD	C5A-C4A-N3A	-5.23	119.51	126.72
3	D	702	F6T	FAY-CAX-CAR	4.87	124.00	118.14
2	C	701	FAD	N3A-C4A-N9A	4.57	134.94	127.17
3	B	702	F6T	FAY-CAX-CAR	4.45	123.50	118.14
2	B	701	FAD	N3A-C4A-N9A	4.44	134.72	127.17
3	A	702	F6T	CAW-CAX-CAR	-4.30	119.32	123.98
2	B	701	FAD	N3A-C2A-N1A	-4.26	122.14	128.58
2	A	701	FAD	N3A-C4A-N9A	4.04	134.04	127.17
2	B	701	FAD	O2-C2-N1	-4.03	115.11	121.80
2	A	701	FAD	C9A-C5X-N5	-3.96	118.26	122.45
2	D	701	FAD	N3A-C4A-N9A	3.95	133.89	127.17
2	C	701	FAD	C2A-N3A-C4A	3.90	121.36	111.83
2	A	701	FAD	C5X-N5-C4X	3.90	124.39	118.09
2	A	701	FAD	C2A-N3A-C4A	3.88	121.31	111.83
2	A	701	FAD	C4-C4X-N5	3.76	123.39	118.21
2	A	701	FAD	N3A-C2A-N1A	-3.66	123.04	128.58
2	B	701	FAD	C2A-N3A-C4A	3.66	120.76	111.83
2	C	701	FAD	N3A-C2A-N1A	-3.62	123.11	128.58
3	A	702	F6T	FAY-CAX-CAR	3.43	122.27	118.14
2	D	701	FAD	O2-C2-N1	-3.30	116.31	121.80
3	D	702	F6T	CAW-CAX-CAR	-3.30	120.41	123.98
2	B	701	FAD	C4-C4X-N5	3.24	122.68	118.21
3	B	702	F6T	FAT-CAS-CAR	3.16	121.94	118.14
2	D	701	FAD	C2A-N3A-C4A	3.16	119.54	111.83
2	C	701	FAD	C4A-C5A-N7A	-3.15	106.98	110.58
3	A	702	F6T	CAV-CAW-CAX	3.12	123.33	118.49
2	C	701	FAD	O2-C2-N1	-3.06	116.72	121.80
2	C	701	FAD	C5'-C4'-C3'	3.04	117.95	112.22
2	B	701	FAD	C4A-N9A-C8A	2.97	108.85	105.74
2	A	701	FAD	O2-C2-N1	-2.95	116.89	121.80
2	C	701	FAD	C4A-N9A-C8A	2.93	108.81	105.74
2	C	701	FAD	C4-C4X-N5	2.93	122.25	118.21
2	C	701	FAD	C9A-C5X-N5	-2.91	119.37	122.45
2	D	701	FAD	N3A-C2A-N1A	-2.85	124.27	128.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	A	702	F6T	CAX-CAR-CAS	2.85	117.89	114.27
2	B	701	FAD	C5X-N5-C4X	2.83	122.67	118.09
2	B	701	FAD	C10-N1-C2	2.82	122.95	116.85
2	C	701	FAD	C4-N3-C2	-2.78	120.70	125.64
3	A	702	F6T	FAT-CAS-CAR	2.76	121.46	118.14
2	B	701	FAD	O4-C4-C4X	-2.73	119.34	126.53
3	D	702	F6T	CAV-CAW-CAX	2.70	122.68	118.49
3	B	702	F6T	CAW-CAX-CAR	-2.68	121.07	123.98
2	A	701	FAD	O4-C4-C4X	-2.68	119.47	126.53
2	D	701	FAD	C4X-C10-N1	-2.67	118.03	124.59
2	C	701	FAD	C4X-C10-N1	-2.66	118.06	124.59
2	C	701	FAD	C5X-N5-C4X	2.66	122.39	118.09
2	D	701	FAD	C4X-C10-N10	2.65	120.28	116.48
2	D	701	FAD	C10-N1-C2	2.62	122.51	116.85
3	A	702	F6T	CAB-CAC-CAD	-2.60	109.42	113.03
2	C	701	FAD	C10-N1-C2	2.58	122.44	116.85
3	B	702	F6T	CAC-CAB-CAR	2.56	116.87	110.84
2	B	701	FAD	C4X-C10-N1	-2.55	118.33	124.59
3	A	702	F6T	CAC-CAB-CAR	2.53	116.80	110.84
2	D	701	FAD	O4-C4-C4X	-2.53	119.85	126.53
2	C	701	FAD	O4-C4-C4X	-2.53	119.86	126.53
2	C	701	FAD	C4X-C10-N10	2.48	120.03	116.48
2	A	701	FAD	N6A-C6A-N1A	2.45	123.84	118.38
2	D	701	FAD	C4-C4X-N5	2.45	121.59	118.21
2	A	701	FAD	C4X-C10-N1	-2.44	118.62	124.59
2	A	701	FAD	C10-C4X-N5	-2.38	119.96	124.81
2	A	701	FAD	C10-N1-C2	2.37	121.99	116.85
2	C	701	FAD	N9A-C8A-N7A	-2.36	110.59	113.94
2	A	701	FAD	O3P-PA-O1A	-2.36	103.60	110.70
3	A	702	F6T	OAN-CAL-NAM	-2.36	123.99	126.68
2	A	701	FAD	C4-N3-C2	-2.35	121.46	125.64
2	C	701	FAD	C5A-N7A-C8A	2.35	107.15	103.45
2	B	701	FAD	C4A-C5A-N7A	-2.35	107.89	110.58
2	A	701	FAD	O2A-PA-O1A	2.34	123.31	112.44
2	B	701	FAD	N6A-C6A-N1A	2.30	123.50	118.38
2	B	701	FAD	C5A-C6A-N6A	-2.25	117.70	123.29
2	B	701	FAD	N9A-C8A-N7A	-2.25	110.75	113.94
2	B	701	FAD	C10-C4X-N5	-2.24	120.24	124.81
2	D	701	FAD	N6A-C6A-N1A	2.22	123.33	118.38
2	B	701	FAD	C4-N3-C2	-2.22	121.70	125.64
2	B	701	FAD	C9A-C5X-N5	-2.21	120.11	122.45
2	A	701	FAD	C4A-C5A-N7A	-2.20	108.06	110.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	B	702	F6T	CAV-CAW-CAX	2.20	121.90	118.49
3	B	702	F6T	CAJ-NAK-CAL	-2.20	107.63	110.03
2	D	701	FAD	C4A-C5A-N7A	-2.19	108.07	110.58
2	B	701	FAD	O2P-P-O1P	2.18	122.58	112.44
2	C	701	FAD	C4X-C4-N3	2.15	118.73	113.25
2	A	701	FAD	C4X-C4-N3	2.13	118.68	113.25
2	D	701	FAD	C9A-N10-C10	-2.12	117.52	120.75
2	A	701	FAD	C9-C9A-C5X	-2.11	116.31	120.03
2	B	701	FAD	O3'-C3'-C4'	2.11	113.71	108.93
2	B	701	FAD	O3P-P-O1P	-2.10	104.38	110.70
3	D	702	F6T	CAX-CAR-CAS	2.10	116.94	114.27
2	D	701	FAD	C4-N3-C2	-2.09	121.93	125.64
2	B	701	FAD	C5A-N7A-C8A	2.09	106.73	103.45
2	B	701	FAD	C4X-C10-N10	2.09	119.47	116.48
3	A	702	F6T	CAW-CAV-CAU	-2.06	117.60	120.24
2	A	701	FAD	C5A-C6A-N6A	-2.02	118.29	123.29
2	A	701	FAD	C5X-C9A-N10	2.01	119.79	117.97

There are no chirality outliers.

All (23) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	D	701	FAD	N10-C1'-C2'-O2'
2	D	701	FAD	N10-C1'-C2'-C3'
2	A	701	FAD	N10-C1'-C2'-O2'
2	A	701	FAD	N10-C1'-C2'-C3'
2	B	701	FAD	N10-C1'-C2'-O2'
2	B	701	FAD	N10-C1'-C2'-C3'
2	C	701	FAD	N10-C1'-C2'-O2'
2	C	701	FAD	N10-C1'-C2'-C3'
3	D	702	F6T	CAR-CAB-CAC-CAD
2	B	701	FAD	C3'-C4'-C5'-O5'
3	D	702	F6T	CAA-CAB-CAC-CAD
2	C	701	FAD	C3'-C4'-C5'-O5'
2	C	701	FAD	PA-O3P-P-O2P
2	B	701	FAD	O4'-C4'-C5'-O5'
2	C	701	FAD	O4'-C4'-C5'-O5'
2	D	701	FAD	PA-O3P-P-O1P
2	A	701	FAD	PA-O3P-P-O1P
2	A	701	FAD	PA-O3P-P-O2P
2	B	701	FAD	PA-O3P-P-O2P
3	B	702	F6T	CAC-CAB-CAR-CAS

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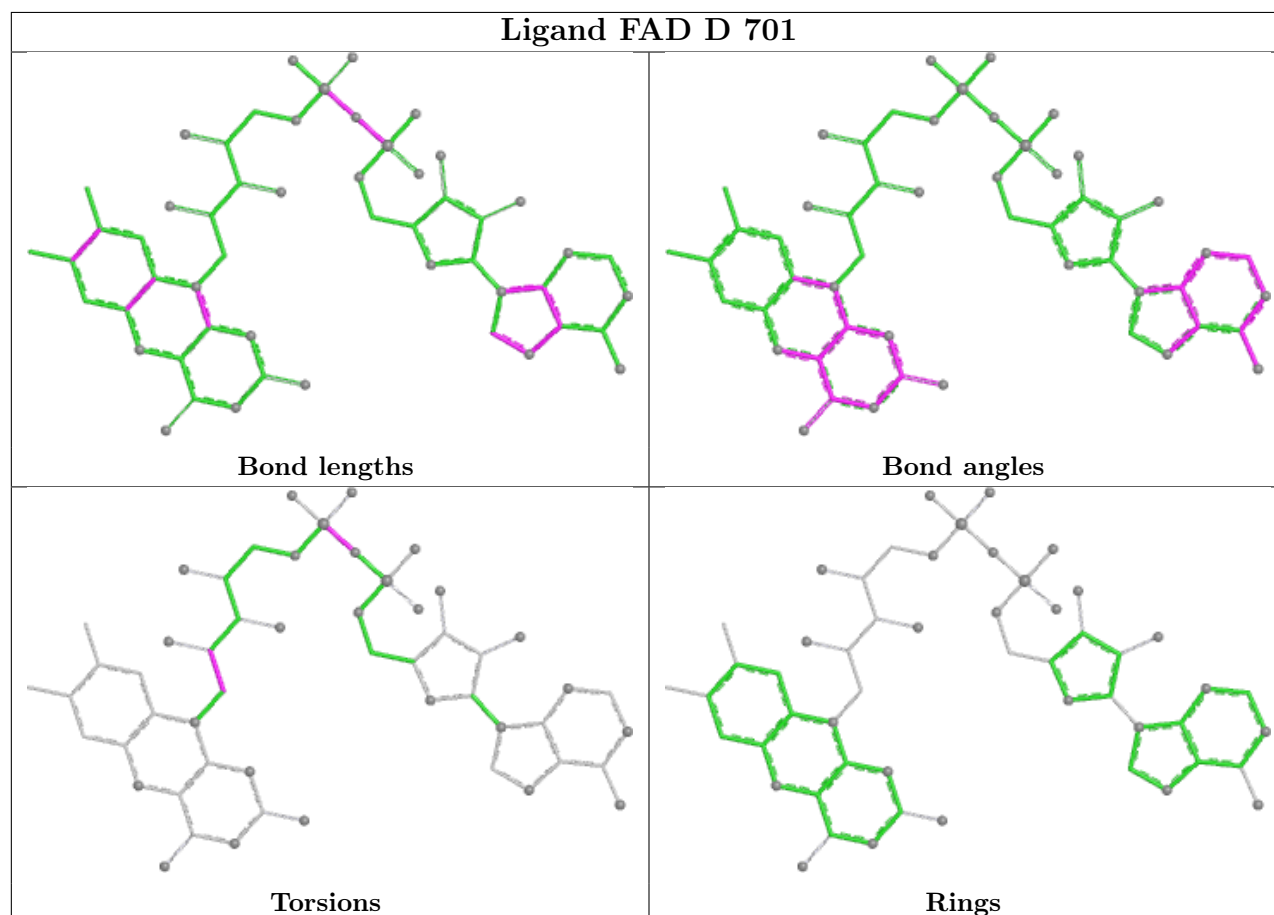
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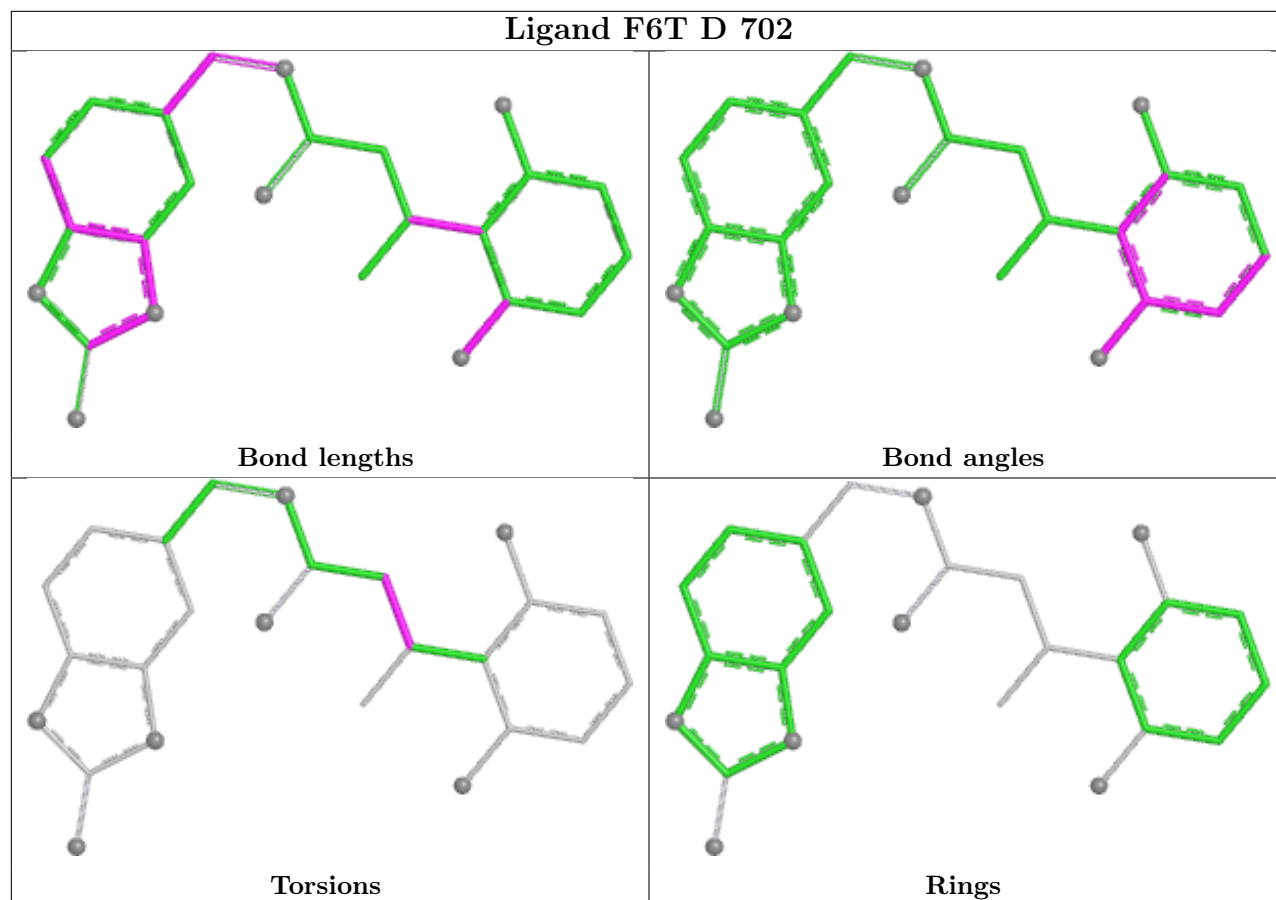
Mol	Chain	Res	Type	Atoms
2	D	701	FAD	PA-O3P-P-O2P
2	B	701	FAD	PA-O3P-P-O1P
2	C	701	FAD	PA-O3P-P-O1P

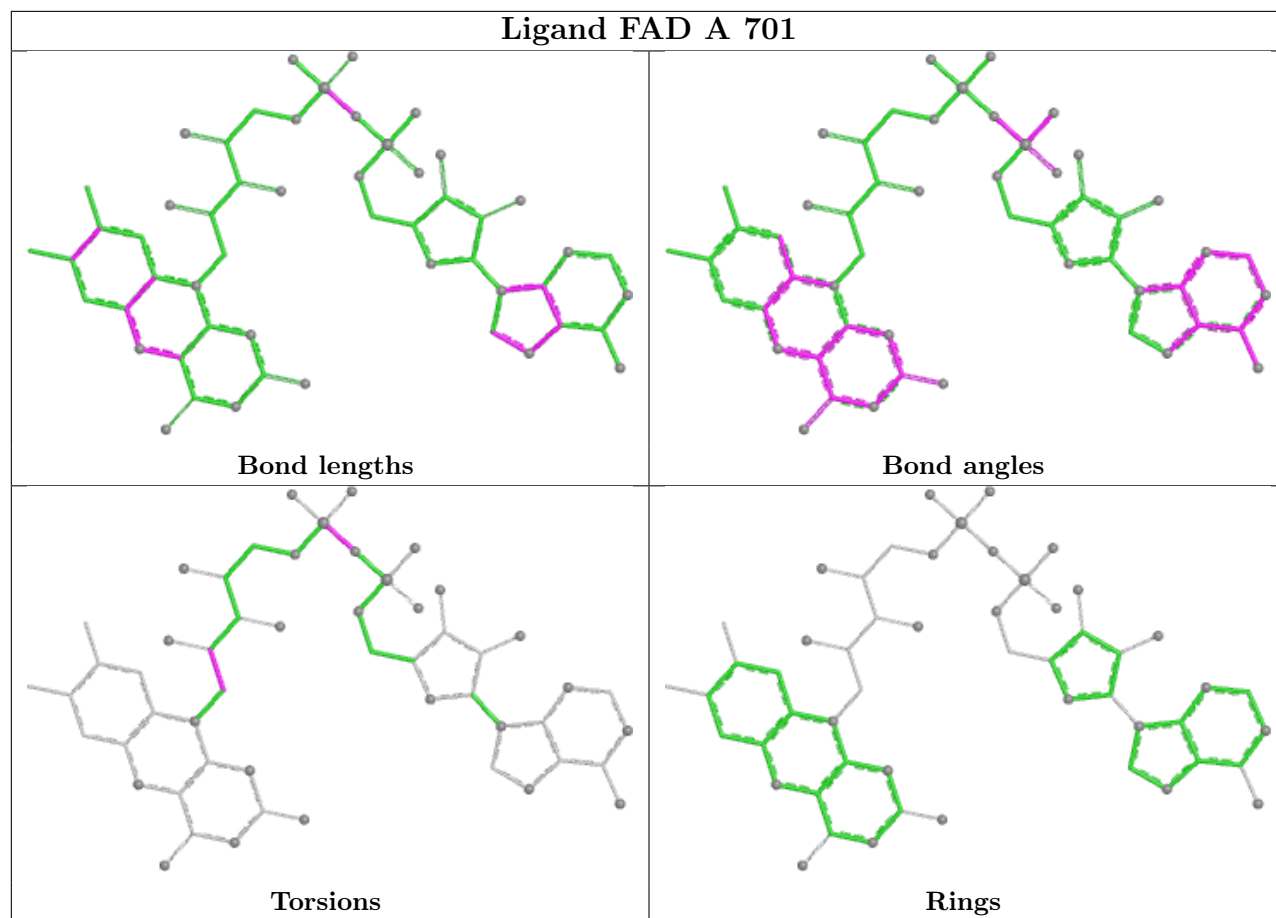
There are no ring outliers.

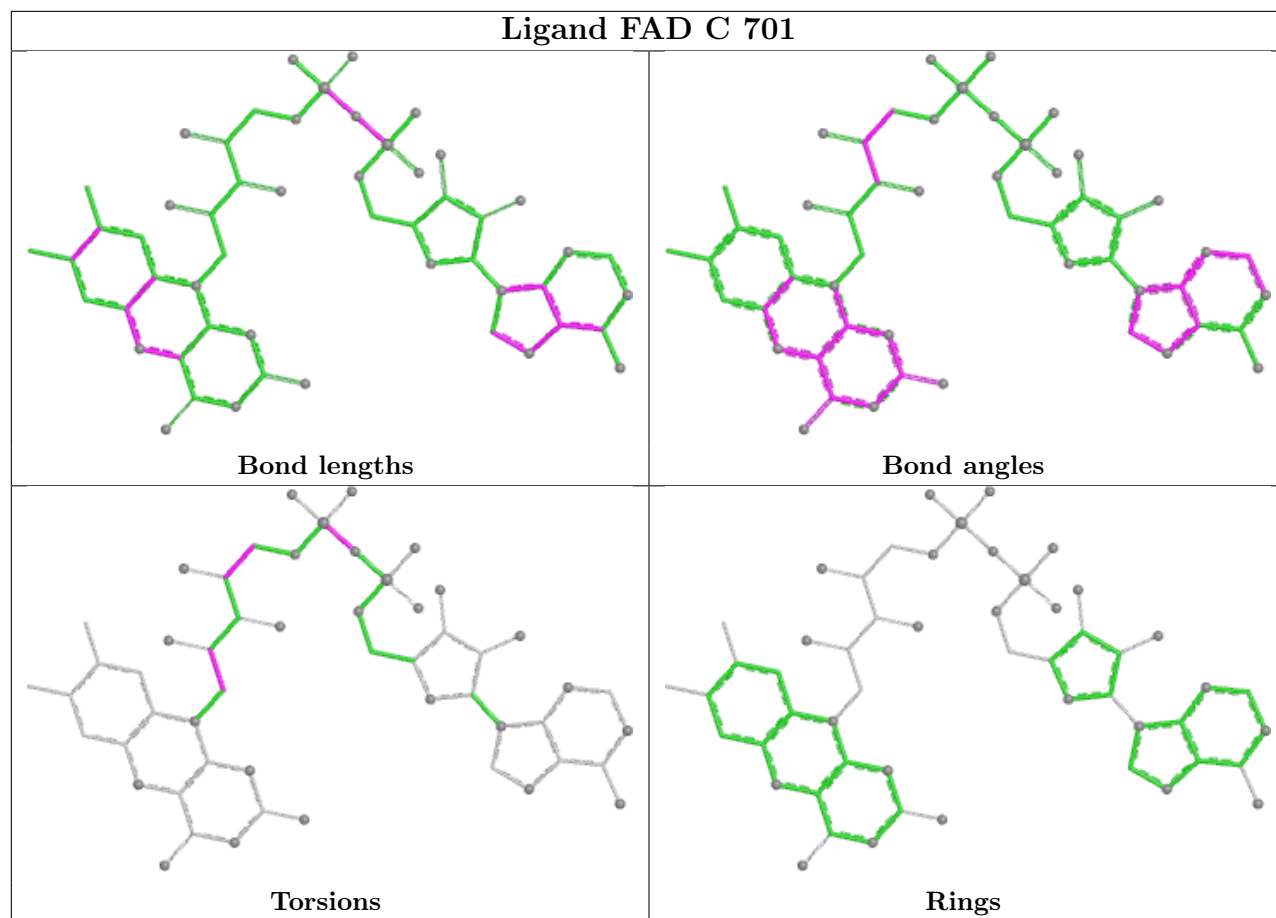
No monomer is involved in short contacts.

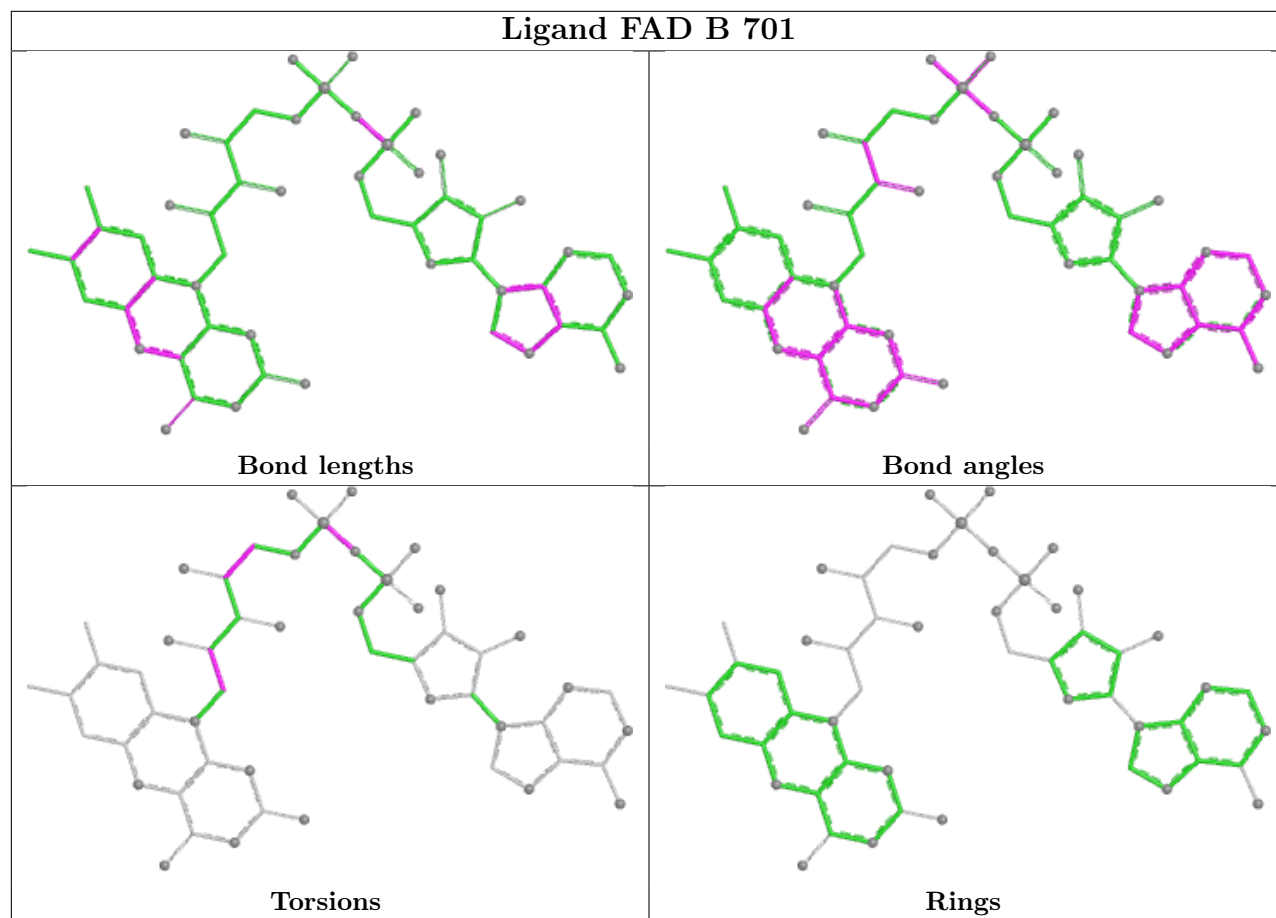
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included.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



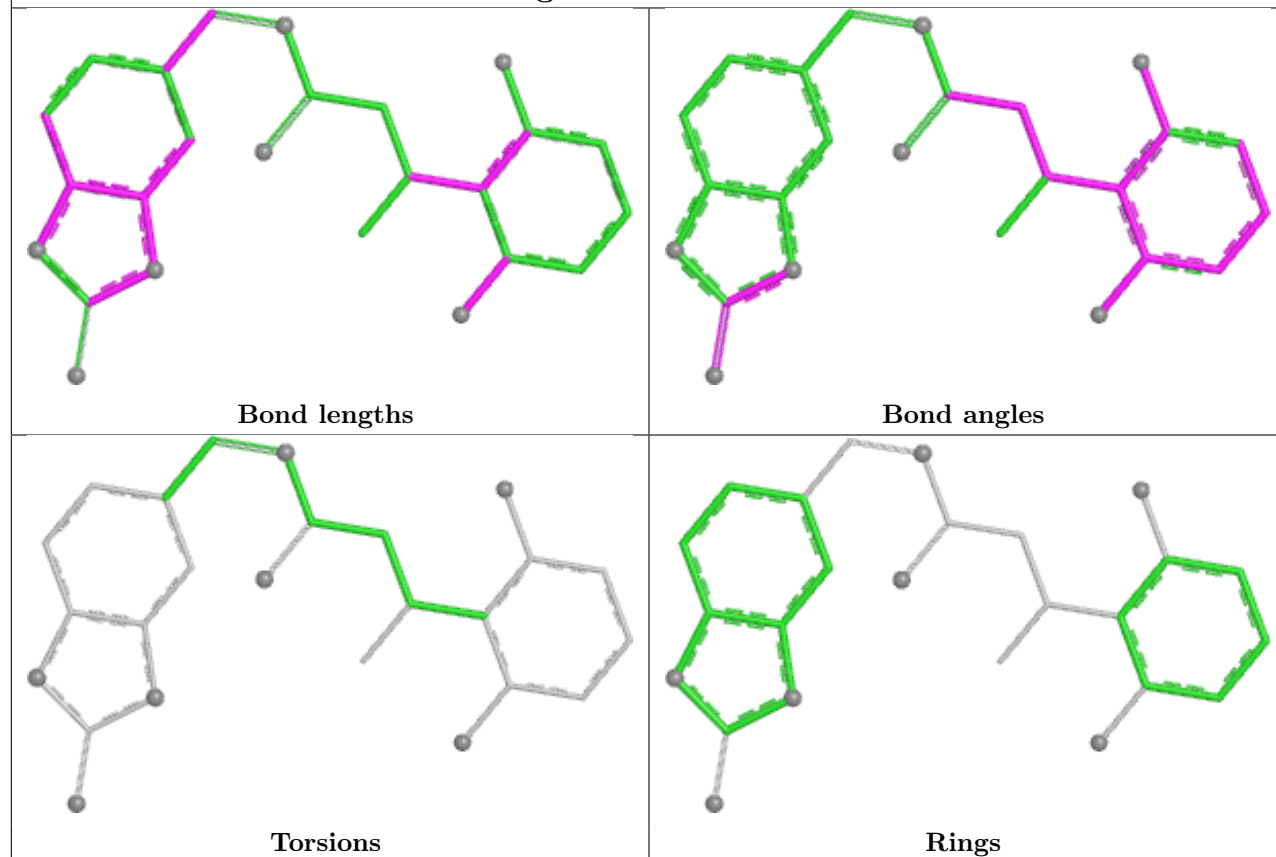




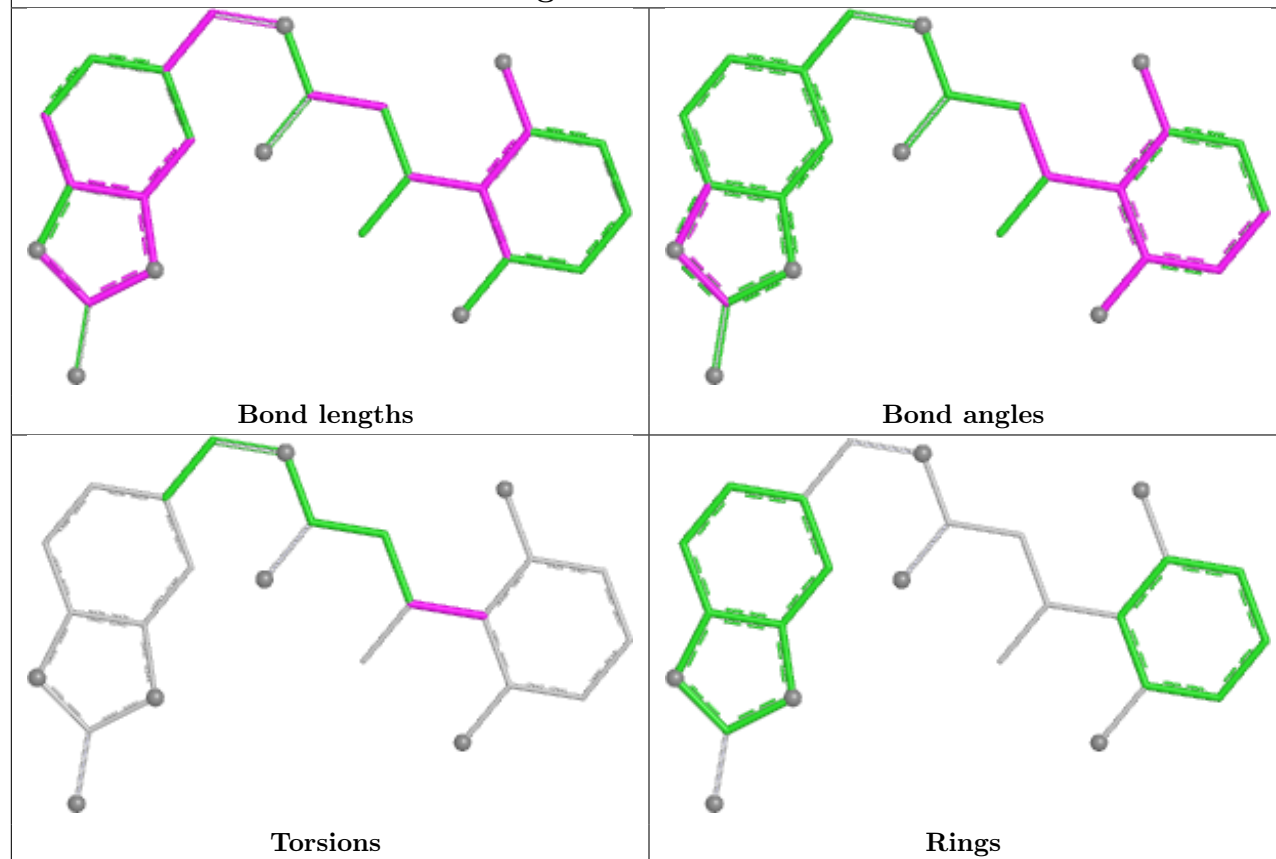




Ligand F6T A 702



Ligand F6T B 702



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 Fit of model and data

6.1 Protein, DNA and RNA chains

In the following table, the column labelled ‘#RSRZ > 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q < 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	554/658 (84%)	0.16	14 (2%) 58 48	18, 41, 71, 99	0
1	B	540/658 (82%)	0.43	26 (4%) 35 28	21, 48, 80, 122	0
1	C	535/658 (81%)	0.99	106 (19%) 3 2	22, 62, 108, 138	0
1	D	540/658 (82%)	-0.07	15 (2%) 55 46	16, 35, 69, 114	0
All	All	2169/2632 (82%)	0.38	161 (7%) 20 17	16, 44, 90, 138	0

All (161) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	D	478	LEU	5.4
1	B	480	HIS	5.3
1	D	474	ARG	5.3
1	B	474	ARG	4.9
1	B	139	ASN	4.8
1	C	525	GLY	4.8
1	C	557	VAL	4.7
1	A	268	TRP	4.5
1	C	524	ILE	4.4
1	C	591	PRO	4.4
1	C	521	TYR	4.2
1	C	562	LEU	4.1
1	C	563	SER	4.1
1	C	138	ILE	4.0
1	C	474	ARG	4.0
1	C	136	PHE	4.0
1	C	277	HIS	3.9
1	C	599	GLU	3.9
1	C	124	ALA	3.9
1	C	585	TYR	3.9
1	B	475	GLU	3.8

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Mol	Chain	Res	Type	RSRZ
1	B	478	LEU	3.8
1	D	477	VAL	3.8
1	C	586	ARG	3.7
1	C	588	ILE	3.7
1	C	594	VAL	3.6
1	C	105	LEU	3.6
1	C	268	TRP	3.6
1	C	528	PHE	3.6
1	C	518	GLY	3.5
1	C	478	LEU	3.4
1	C	592	LEU	3.3
1	D	475	GLU	3.3
1	C	434	PRO	3.3
1	C	123	VAL	3.3
1	A	277	HIS	3.3
1	C	200	GLY	3.2
1	B	477	VAL	3.2
1	A	474	ARG	3.1
1	A	81	GLY	3.1
1	A	475	GLU	3.1
1	D	476	LYS	3.1
1	C	426	PHE	3.0
1	C	198	ARG	3.0
1	C	132	ILE	3.0
1	C	552	CYS	3.0
1	C	432	LEU	2.9
1	A	138	ILE	2.9
1	C	548	ILE	2.9
1	C	430	HIS	2.9
1	B	556	GLY	2.9
1	C	424	GLN	2.9
1	B	109	GLY	2.8
1	B	483	GLN	2.8
1	C	505	TYR	2.8
1	C	583	PHE	2.8
1	C	522	TYR	2.8
1	B	140	LEU	2.8
1	C	523	ILE	2.8
1	D	482	LYS	2.7
1	C	543	ASN	2.7
1	C	111	LEU	2.7
1	C	395	PHE	2.7

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Mol	Chain	Res	Type	RSRZ
1	D	172	ASN	2.7
1	C	475	GLU	2.7
1	C	402	VAL	2.7
1	C	159	ILE	2.7
1	C	579	PHE	2.7
1	C	582	ALA	2.7
1	B	434	PRO	2.7
1	A	559	PHE	2.6
1	C	230	LEU	2.6
1	B	201	MET	2.6
1	C	180	ASP	2.6
1	C	476	LYS	2.6
1	C	113	LEU	2.6
1	D	157	PRO	2.6
1	C	199	GLU	2.6
1	C	431	ALA	2.6
1	B	107	LYS	2.5
1	D	156	PRO	2.5
1	C	139	ASN	2.5
1	C	499	ASP	2.5
1	B	586	ARG	2.5
1	C	157	PRO	2.5
1	C	191	LEU	2.5
1	B	138	ILE	2.5
1	C	109	GLY	2.5
1	C	205	ILE	2.5
1	C	131	TRP	2.5
1	C	110	GLN	2.5
1	C	202	PHE	2.5
1	A	480	HIS	2.5
1	D	159	ILE	2.4
1	D	480	HIS	2.4
1	C	120	LEU	2.4
1	C	229	ASN	2.4
1	C	190	CYS	2.4
1	B	159	ILE	2.4
1	A	139	ASN	2.3
1	B	120	LEU	2.3
1	C	494	LEU	2.3
1	A	107	LYS	2.3
1	C	107	LYS	2.3
1	C	465	VAL	2.3

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Mol	Chain	Res	Type	RSRZ
1	C	172	ASN	2.3
1	C	459	ASP	2.3
1	B	179	ALA	2.3
1	C	162	GLU	2.3
1	C	427	GLN	2.3
1	C	419	ARG	2.3
1	C	542	ARG	2.3
1	C	386	GLU	2.3
1	A	192	HIS	2.3
1	B	476	LYS	2.3
1	C	433	LYS	2.3
1	A	587	GLY	2.3
1	C	103	PHE	2.3
1	C	399	GLU	2.3
1	B	503	ARG	2.3
1	C	93	TRP	2.3
1	C	566	ARG	2.3
1	C	194	ILE	2.2
1	C	126	PRO	2.2
1	C	195	PHE	2.2
1	D	140	LEU	2.2
1	A	478	LEU	2.2
1	C	511	ILE	2.2
1	D	228	TYR	2.2
1	C	104	PHE	2.2
1	C	595	PHE	2.2
1	C	593	ALA	2.2
1	B	479	GLN	2.2
1	D	155	THR	2.2
1	C	626	TRP	2.2
1	C	403	ALA	2.2
1	C	192	HIS	2.1
1	A	434	PRO	2.1
1	C	396	PRO	2.1
1	C	421	MET	2.1
1	C	633	ASP	2.1
1	C	549	ARG	2.1
1	C	125	LEU	2.1
1	C	506	LEU	2.1
1	C	526	GLU	2.1
1	C	589	SER	2.1
1	B	494	LEU	2.1

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Mol	Chain	Res	Type	RSRZ
1	B	559	PHE	2.1
1	D	434	PRO	2.1
1	B	473	ASP	2.1
1	C	482	LYS	2.0
1	C	128	PHE	2.0
1	B	585	TYR	2.0
1	C	246	MET	2.0
1	B	156	PRO	2.0
1	C	565	CYS	2.0
1	C	550	ARG	2.0
1	C	155	THR	2.0
1	C	254	THR	2.0
1	C	108	LYS	2.0
1	C	580	TYR	2.0

6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

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

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

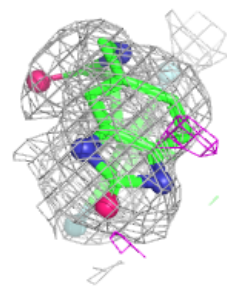
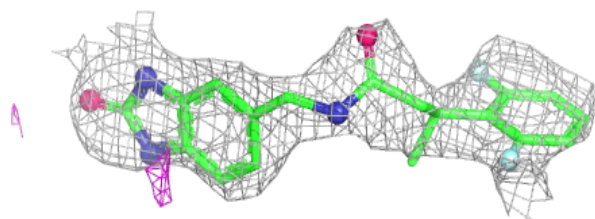
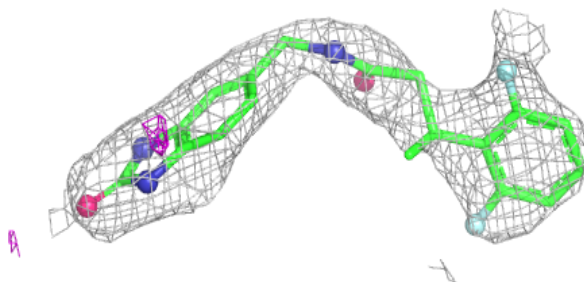
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
3	F6T	B	702	25/25	0.88	0.14	58,64,83,83	0
3	F6T	A	702	25/25	0.92	0.10	34,41,48,49	0
3	F6T	D	702	25/25	0.93	0.10	34,40,44,47	0
2	FAD	B	701	53/53	0.95	0.07	23,29,32,33	0
2	FAD	C	701	53/53	0.96	0.07	26,30,33,37	0
2	FAD	D	701	53/53	0.97	0.07	16,20,24,26	0
2	FAD	A	701	53/53	0.98	0.06	13,16,26,27	0

The following is a graphical depiction of the model fit to experimental electron density of all

instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.

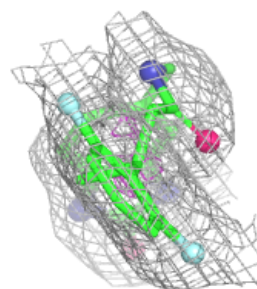
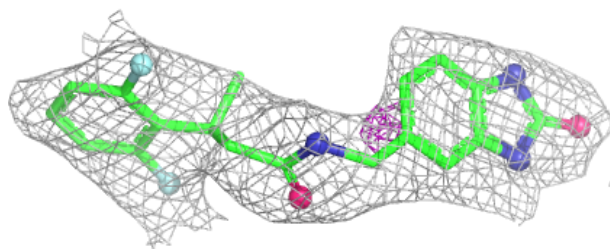
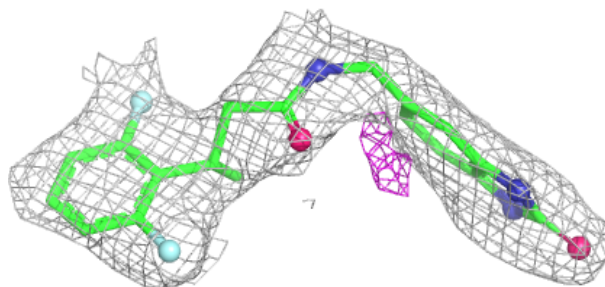
Electron density around F6T B 702:

$2mF_o - DF_c$ (at 0.7 rmsd) in gray
 $mF_o - DF_c$ (at 3 rmsd) in purple (negative)
and green (positive)

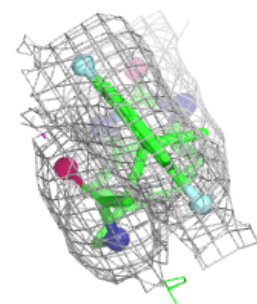
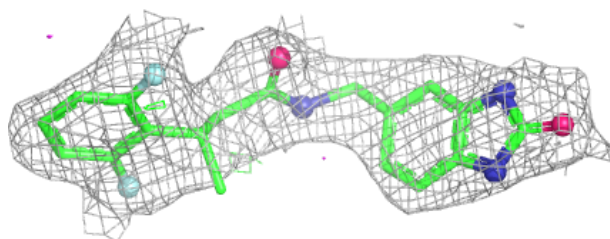
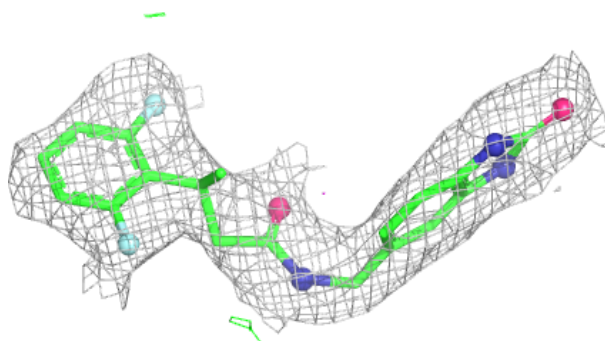


Electron density around F6T A 702:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

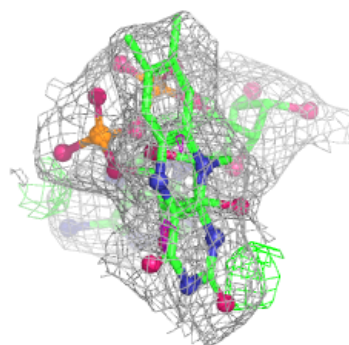
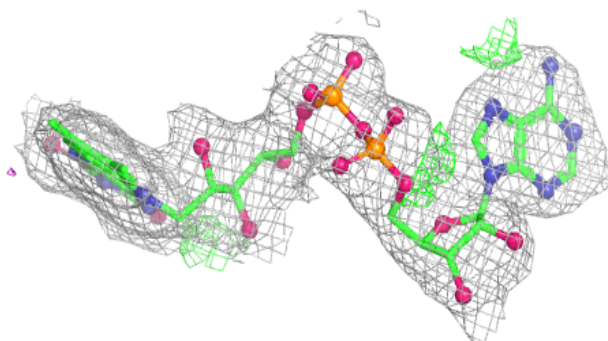
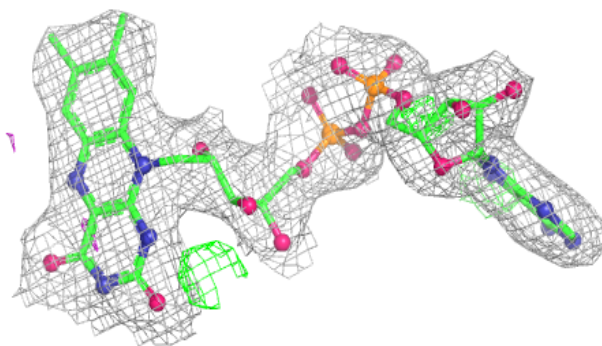
**Electron density around F6T D 702:**

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

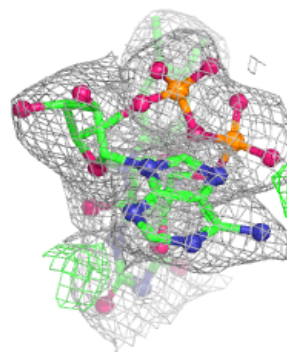
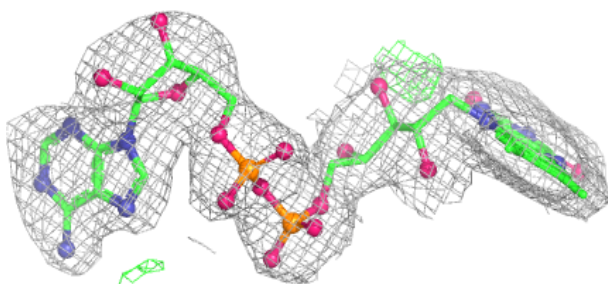
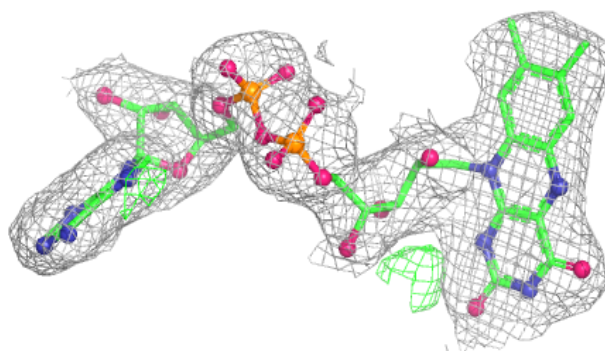


Electron density around FAD B 701:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

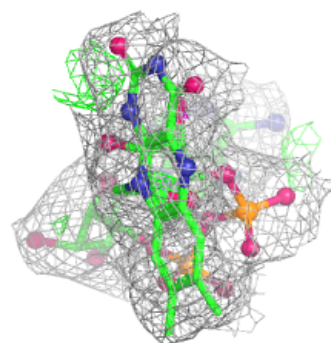
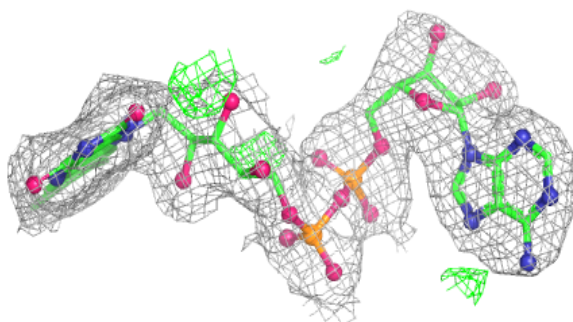
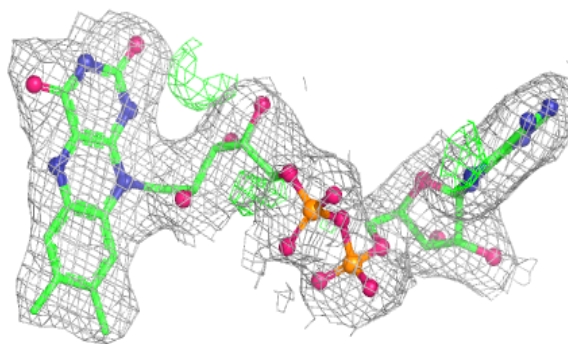
**Electron density around FAD C 701:**

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

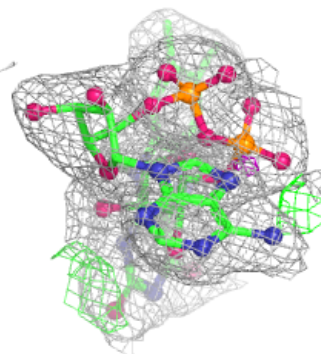
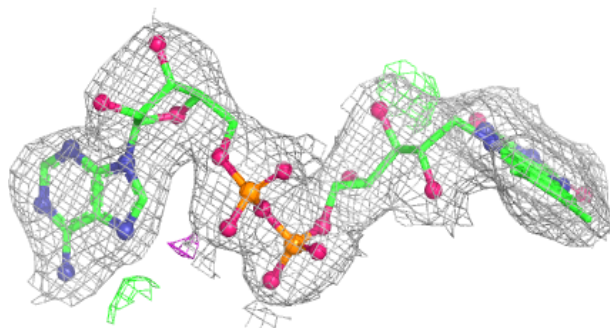
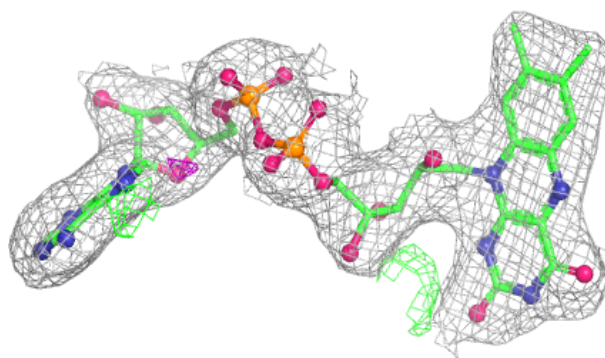


Electron density around FAD D 701:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

**Electron density around FAD A 701:**

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



6.5 Other polymers [i](#)

There are no such residues in this entry.