Full wwPDB X-ray Structure Validation Report (i)

Nov 23, 2022 – 09:16 am GMT

PDB ID	:	7OK6
Title	:	Crystal structure of UNC119B in complex with LCK peptide
Authors	:	Yelland, T.; Ismail, S.
Deposited on	:	2021-05-17
Resolution	:	1.95 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 (i) 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 (i)) were used in the production of this report:

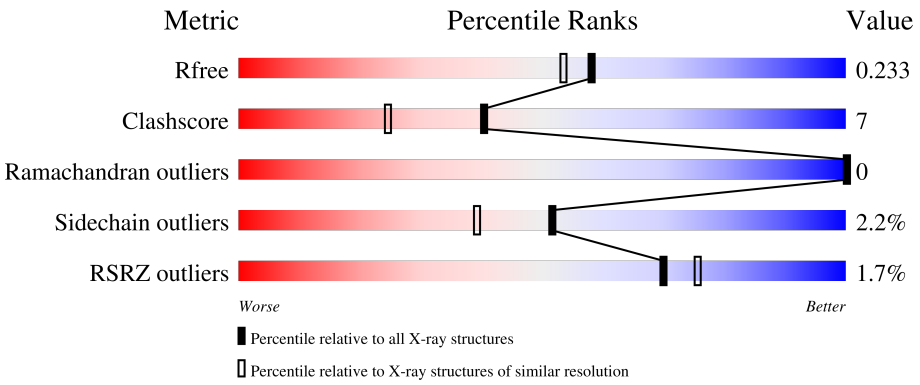
MolProbity	:	4.02b-467
Mogul	:	1.8.4, CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.31.3
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0267
CCP4	:	7.1.010 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.31.3

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 1.95 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}	130704	4310 (1.96-1.92)
Clashscore	141614	1023 (1.94-1.94)
Ramachandran outliers	138981	1007 (1.94-1.94)
Sidechain outliers	138945	1007 (1.94-1.94)
RSRZ outliers	127900	4250 (1.96-1.92)

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 <=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	AAA	194	2%, 73%, 14%, •, 12%
1	HHH	194	2%, 78%, 7%, 15%
2	BBB	10	50%, 50%
2	CCC	10	70%, 30%

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
3	EDO	AAA	403	-	-	X	-

2 Entry composition (i)

There are 6 unique types of molecules in this entry. The entry contains 3140 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 Protein unc-119 homolog B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	HHH	164	1405	900	243	256	6	0	4	0
1	AAA	170	1447	928	246	267	6	0	3	0

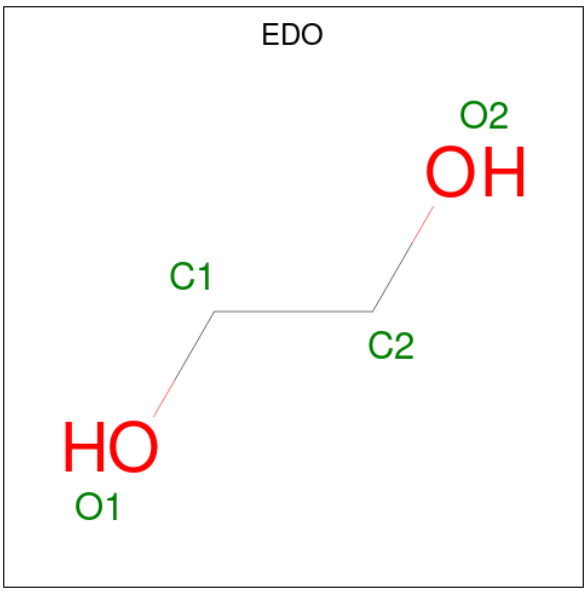
There are 16 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
HHH	241	LEU	-	expression tag	UNP A6NIH7
HHH	242	GLU	-	expression tag	UNP A6NIH7
HHH	243	HIS	-	expression tag	UNP A6NIH7
HHH	244	HIS	-	expression tag	UNP A6NIH7
HHH	245	HIS	-	expression tag	UNP A6NIH7
HHH	246	HIS	-	expression tag	UNP A6NIH7
HHH	247	HIS	-	expression tag	UNP A6NIH7
HHH	248	HIS	-	expression tag	UNP A6NIH7
AAA	241	LEU	-	expression tag	UNP A6NIH7
AAA	242	GLU	-	expression tag	UNP A6NIH7
AAA	243	HIS	-	expression tag	UNP A6NIH7
AAA	244	HIS	-	expression tag	UNP A6NIH7
AAA	245	HIS	-	expression tag	UNP A6NIH7
AAA	246	HIS	-	expression tag	UNP A6NIH7
AAA	247	HIS	-	expression tag	UNP A6NIH7
AAA	248	HIS	-	expression tag	UNP A6NIH7

- Molecule 2 is a protein called LCK peptide.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	BBB	5	26	13	5	6	2	0	0	0
2	CCC	7	42	22	9	9	2	0	0	0

- Molecule 3 is 1,2-ETHANEDIOL (three-letter code: EDO) (formula: $C_2H_6O_2$).

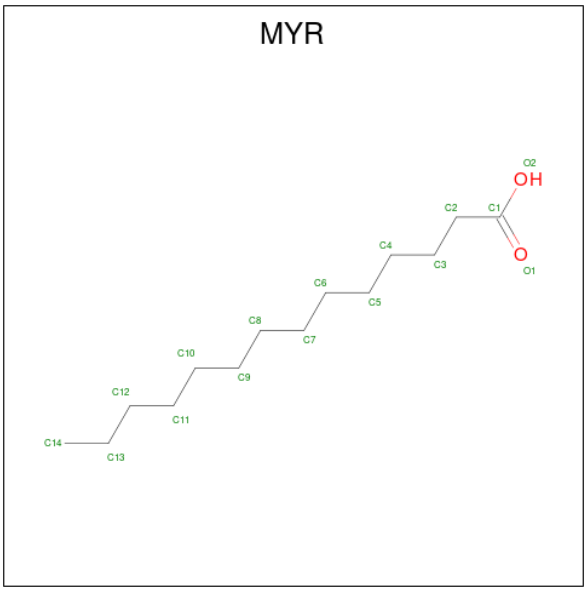


Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	C	O		
3	AAA	1	4	2	2	0	0
			Total	C	O		
3	AAA	1	4	2	2	0	0
			Total	C	O		
3	AAA	1	4	2	2	0	0

- Molecule 4 is CALCIUM ION (three-letter code: CA) (formula: Ca).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
			Total	Ca		
4	AAA	1	1	1	0	0

- Molecule 5 is MYRISTIC ACID (three-letter code: MYR) (formula: $C_{14}H_{28}O_2$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	C	O		
5	BBB	1	15	14	1	0	0
			Total	C	O		
5	CCC	1	15	14	1	0	0

- Molecule 6 is water.

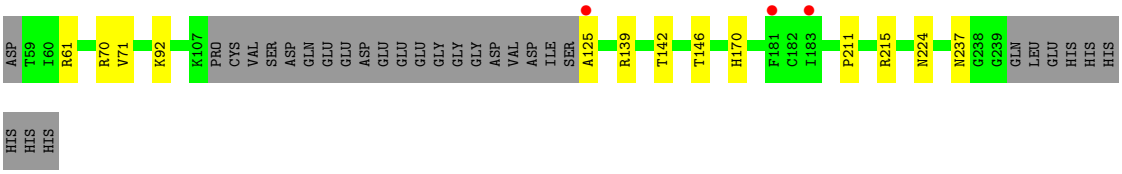
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
			Total	O		
6	HHH	92	92	92	0	0
			Total	O		
6	AAA	81	81	81	0	0
			Total	O		
6	BBB	2	2	2	0	0
			Total	O		
6	CCC	2	2	2	0	0

3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron 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 dot above a residue indicates a poor fit to the electron density (RSRZ > 2). 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.

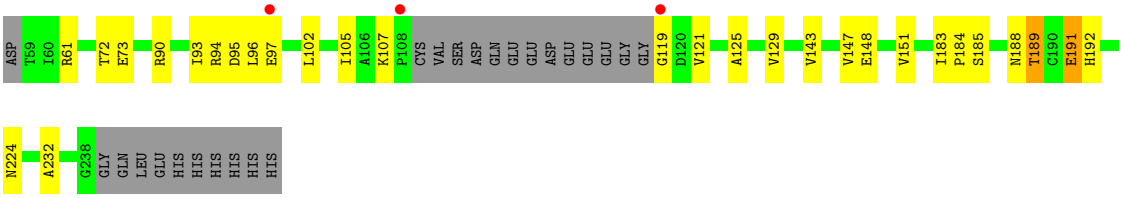
• Molecule 1: Protein unc-119 homolog B

Chain HHH:



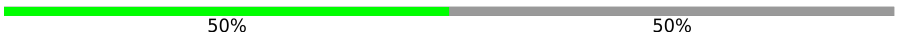
• Molecule 1: Protein unc-119 homolog B

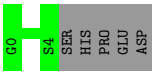
Chain AAA:



• Molecule 2: LCK peptide

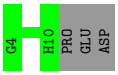
Chain BBB:





• Molecule 2: LCK peptide

Chain CCC:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α, β, γ	55.08Å 67.00Å 106.69Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	56.74 – 1.95 56.74 – 1.95	Depositor EDS
% Data completeness (in resolution range)	99.9 (56.74-1.95) 99.9 (56.74-1.95)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	2.79 (at 1.95Å)	Xtriage
Refinement program	REFMAC 5.8.0258	Depositor
R, R_{free}	0.181 , 0.224 0.194 , 0.233	Depositor DCC
R_{free} test set	1477 reflections (5.01%)	wwPDB-VP
Wilson B-factor (Å^2)	27.8	Xtriage
Anisotropy	0.071	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	(Not available) , (Not available)	EDS
L-test for twinning[2]	$< \|L\| > = 0.49$, $< L^2 > = 0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.96	EDS
Total number of atoms	3140	wwPDB-VP
Average B, all atoms (Å^2)	34.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.13% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: MYR, EDO, CA

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	AAA	0.67	0/1483	0.85	0/2003
1	HHH	0.65	0/1440	0.91	0/1945
2	BBB	0.82	0/25	0.94	0/31
2	CCC	0.83	0/42	0.94	0/54
All	All	0.67	0/2990	0.88	0/4033

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	AAA	1447	0	1393	28	0
1	HHH	1405	0	1353	15	0
2	BBB	26	0	20	0	0
2	CCC	42	0	32	0	0
3	AAA	12	0	18	7	0
4	AAA	1	0	0	0	0
5	BBB	15	0	27	0	0
5	CCC	15	0	27	0	0
6	AAA	81	0	0	5	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
6	BBB	2	0	0	0	0
6	CCC	2	0	0	0	0
6	HHH	92	0	0	8	0
All	All	3140	0	2870	42	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 7.

All (42) 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:AAA:102:LEU:O	1:AAA:119:GLY:HA3	1.68	0.91
1:AAA:183:ILE:H	1:AAA:188:ASN:HD21	1.20	0.88
1:AAA:72:THR:HB	3:AAA:403:EDO:H22	1.65	0.77
1:HHH:146[A]:THR:HG23	6:HHH:372:HOH:O	1.83	0.77
1:AAA:90:ARG:HD2	6:AAA:574:HOH:O	1.85	0.77
1:AAA:73:GLU:H	3:AAA:403:EDO:H21	1.52	0.74
1:AAA:189:THR:CG2	6:AAA:575:HOH:O	2.41	0.69
1:HHH:125:ALA:HB3	6:HHH:389:HOH:O	1.92	0.68
1:AAA:73:GLU:N	3:AAA:403:EDO:H21	2.08	0.67
1:AAA:61:ARG:HH11	1:AAA:224:ASN:HD22	1.45	0.63
1:AAA:189:THR:HG22	6:AAA:575:HOH:O	1.99	0.62
1:AAA:183:ILE:H	1:AAA:188:ASN:ND2	1.96	0.61
1:HHH:170:HIS:CE1	6:HHH:331:HOH:O	2.54	0.60
1:AAA:94:ARG:NH2	1:AAA:191[A]:GLU:OE1	2.32	0.60
1:HHH:92:LYS:HE2	1:HHH:146[B]:THR:HG21	1.86	0.58
1:HHH:139:ARG:HD3	6:HHH:361:HOH:O	2.03	0.57
1:AAA:90:ARG:HB3	1:AAA:148:GLU:HB3	1.86	0.57
1:HHH:215:ARG:HD3	6:HHH:307:HOH:O	2.05	0.56
1:HHH:92:LYS:HB3	1:HHH:146[B]:THR:HG23	1.89	0.55
1:HHH:92:LYS:HE2	1:HHH:146[B]:THR:CG2	2.37	0.54
1:AAA:151:VAL:HG23	1:AAA:184:PRO:HA	1.89	0.54
1:HHH:142[B]:THR:HG21	1:AAA:125:ALA:HB2	1.90	0.53
1:HHH:92:LYS:HB3	1:HHH:146[B]:THR:CG2	2.39	0.53
1:AAA:73:GLU:H	3:AAA:403:EDO:C2	2.22	0.51
1:AAA:90:ARG:NH1	6:AAA:501:HOH:O	2.46	0.48
1:HHH:61:ARG:HD3	1:HHH:224:ASN:O	2.13	0.47
1:AAA:72:THR:CB	3:AAA:403:EDO:H22	2.41	0.47
1:AAA:93:ILE:HG23	1:AAA:143:VAL:HG13	1.97	0.47
1:AAA:183:ILE:N	1:AAA:188:ASN:HD21	2.00	0.47
1:AAA:95:ASP:OD1	1:AAA:97:GLU:HG3	2.15	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:AAA:105:ILE:HG23	3:AAA:401:EDO:H12	1.98	0.46
1:AAA:61:ARG:HH11	1:AAA:224:ASN:ND2	2.13	0.45
1:AAA:192:HIS:HD2	6:AAA:542:HOH:O	2.00	0.43
1:AAA:73:GLU:HB2	3:AAA:403:EDO:H21	1.99	0.43
1:HHH:70:ARG:CD	6:HHH:339:HOH:O	2.65	0.43
1:HHH:211:PRO:HG3	1:HHH:237:ASN:ND2	2.35	0.42
1:AAA:129:VAL:O	1:AAA:232:ALA:HA	2.20	0.42
1:HHH:146[A]:THR:HG21	6:HHH:347:HOH:O	2.20	0.42
1:AAA:147:VAL:O	1:AAA:189:THR:HA	2.20	0.42
1:AAA:61:ARG:NH1	1:AAA:224:ASN:HD22	2.15	0.41
1:HHH:170:HIS:HE1	6:HHH:331:HOH:O	1.98	0.41
1:AAA:93:ILE:HG23	1:AAA:143:VAL:CG1	2.51	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	AAA	169/194 (87%)	166 (98%)	3 (2%)	0	100	100
1	HHH	164/194 (84%)	162 (99%)	2 (1%)	0	100	100
2	BBB	3/10 (30%)	3 (100%)	0	0	100	100
2	CCC	5/10 (50%)	5 (100%)	0	0	100	100
All	All	341/408 (84%)	336 (98%)	5 (2%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all 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	AAA	160/178 (90%)	153 (96%)	7 (4%)	28	13
1	HHH	154/178 (86%)	153 (99%)	1 (1%)	86	85
2	BBB	3/8 (38%)	3 (100%)	0	100	100
2	CCC	5/8 (62%)	5 (100%)	0	100	100
All	All	322/372 (87%)	314 (98%)	8 (2%)	52	35

All (8) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	HHH	71	VAL
1	AAA	96	LEU
1	AAA	107	LYS
1	AAA	121	VAL
1	AAA	185	SER
1	AAA	189	THR
1	AAA	191[A]	GLU
1	AAA	191[B]	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

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 monosaccharides in this entry.

5.6 Ligand geometry (i)

Of 6 ligands modelled in this entry, 1 is monoatomic - leaving 5 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	$\#\|Z\| > 2$
5	MYR	BBB	301	2	14,14,15	0.71	1 (7%)	13,13,15	0.50	0
3	EDO	AAA	401	-	3,3,3	0.18	0	2,2,2	0.18	0
3	EDO	AAA	402	-	3,3,3	0.15	0	2,2,2	0.32	0
5	MYR	CCC	301	2	14,14,15	0.90	1 (7%)	13,13,15	0.70	0
3	EDO	AAA	403	-	3,3,3	0.26	0	2,2,2	0.76	0

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
5	MYR	BBB	301	2	-	5/11/12/13	-
3	EDO	AAA	401	-	-	0/1/1/1	-
3	EDO	AAA	402	-	-	1/1/1/1	-
5	MYR	CCC	301	2	-	7/11/12/13	-
3	EDO	AAA	403	-	-	0/1/1/1	-

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
5	CCC	301	MYR	C3-C2	-2.46	1.42	1.52
5	BBB	301	MYR	C3-C2	-2.02	1.44	1.52

There are no bond angle outliers.

There are no chirality outliers.

All (13) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
5	CCC	301	MYR	C2-C3-C4-C5
5	BBB	301	MYR	C7-C8-C9-C10
5	CCC	301	MYR	C11-C10-C9-C8
5	BBB	301	MYR	C9-C10-C11-C12
3	AAA	402	EDO	O1-C1-C2-O2
5	BBB	301	MYR	C3-C4-C5-C6
5	CCC	301	MYR	C3-C4-C5-C6
5	CCC	301	MYR	C5-C6-C7-C8
5	CCC	301	MYR	C1-C2-C3-C4
5	BBB	301	MYR	C6-C7-C8-C9
5	BBB	301	MYR	C2-C3-C4-C5
5	CCC	301	MYR	C7-C8-C9-C10
5	CCC	301	MYR	C4-C5-C6-C7

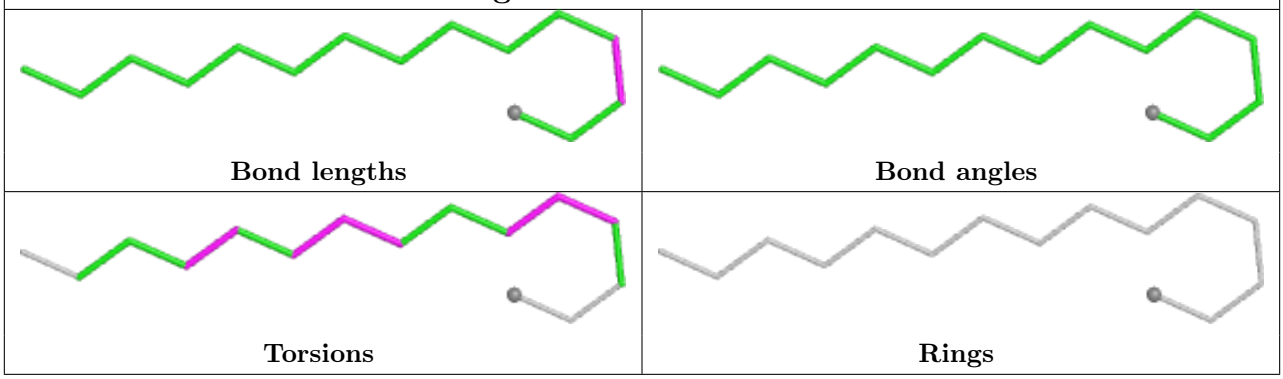
There are no ring outliers.

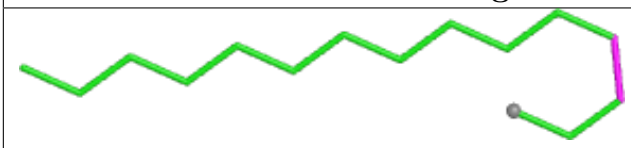
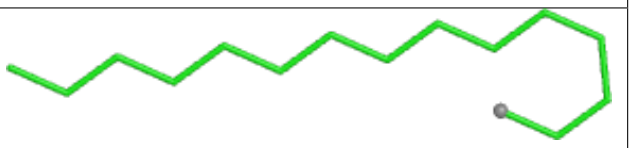
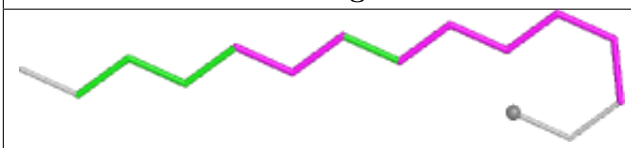
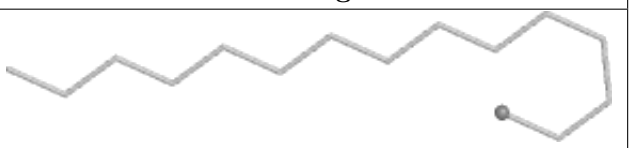
2 monomers are involved in 7 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	AAA	401	EDO	1	0
3	AAA	403	EDO	6	0

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

Ligand MYR BBB 301



Ligand MYR CCC 301	
 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 Fit of model and data (i)

6.1 Protein, DNA and RNA chains (i)

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	AAA	170/194 (87%)	0.09	3 (1%)	68	74	20, 33, 55, 75	0
1	HHH	164/194 (84%)	0.06	3 (1%)	68	74	19, 29, 56, 74	0
2	BBB	5/10 (50%)	0.23	0	100	100	24, 28, 41, 65	0
2	CCC	7/10 (70%)	0.05	0	100	100	23, 26, 37, 67	0
All	All	346/408 (84%)	0.07	6 (1%)	70	75	19, 32, 56, 75	0

All (6) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	AAA	119	GLY	4.4
1	HHH	181	PHE	4.0
1	HHH	183	ILE	2.9
1	AAA	97	GLU	2.9
1	HHH	125	ALA	2.6
1	AAA	108	PRO	2.4

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 monosaccharides 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,

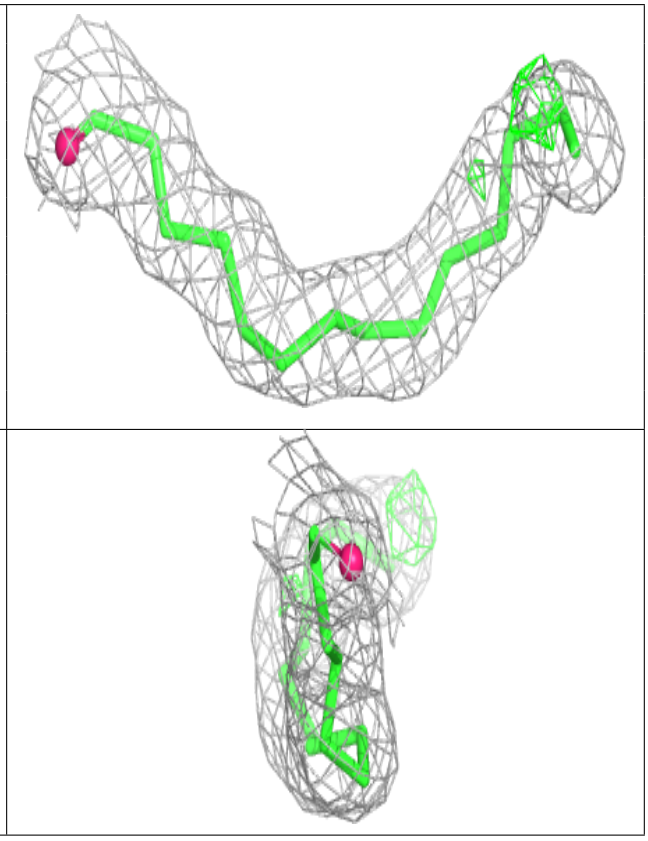
median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

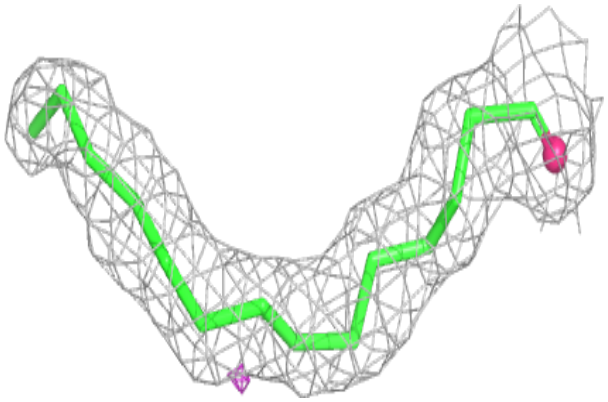
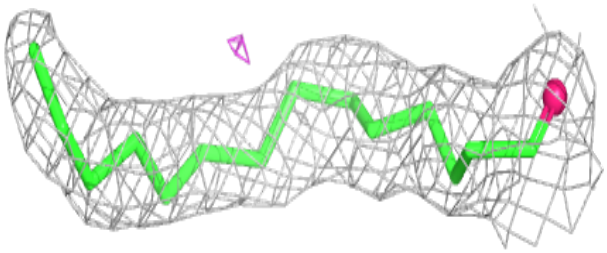
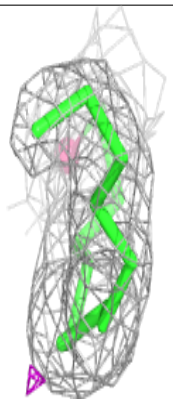
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
3	EDO	AAA	403	4/4	0.93	0.17	37,41,44,45	0
5	MYR	BBB	301	15/16	0.93	0.15	23,37,40,41	0
3	EDO	AAA	401	4/4	0.94	0.22	38,41,43,45	0
5	MYR	CCC	301	15/16	0.94	0.13	22,35,48,49	0
3	EDO	AAA	402	4/4	0.97	0.17	32,39,40,40	0
4	CA	AAA	404	1/1	0.99	0.05	33,33,33,33	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 MYR BBB 301:

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 MYR CCC 301: $2mF_o$-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.