Full wwPDB X-ray Structure Validation Report (i)

Mar 20, 2026 – 03:09 AM UTC

PDB ID	:	6V0P / pdb_00006v0p
Title	:	PRMT5 complex bound to covalent PBM inhibitor BRD6711
Authors	:	McMillan, B.J.; McKinney, D.C.
Deposited on	:	2019-11-19
Resolution	:	1.88 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:

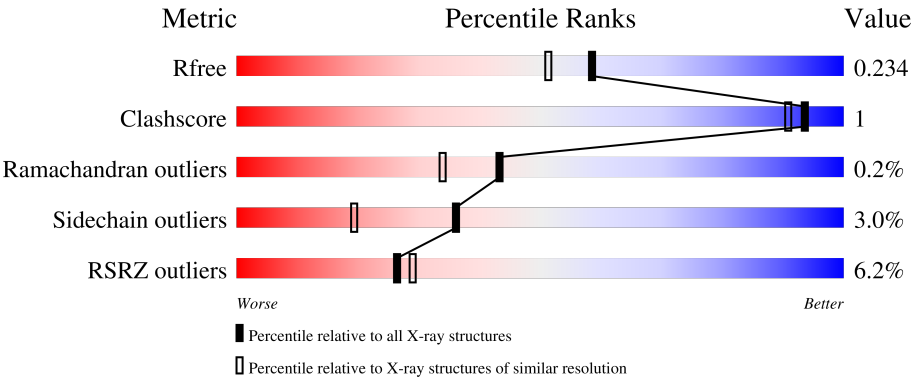
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal 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 (i)

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

The reported resolution of this entry is 1.88 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	1220 (1.88-1.88)
Clashscore	190562	1234 (1.88-1.88)
Ramachandran outliers	187476	1222 (1.88-1.88)
Sidechain outliers	187428	1222 (1.88-1.88)
RSRZ outliers	180081	1220 (1.88-1.88)

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	A	637	5% 89% 8% .
2	B	342	6% 79% 7% 14%

2 Entry composition

There are 7 unique types of molecules in this entry. The entry contains 15112 atoms, of which 7125 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 arginine N-methyltransferase 5.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
1	A	621	9967	3227	4930	861	924	25	4916	3	0

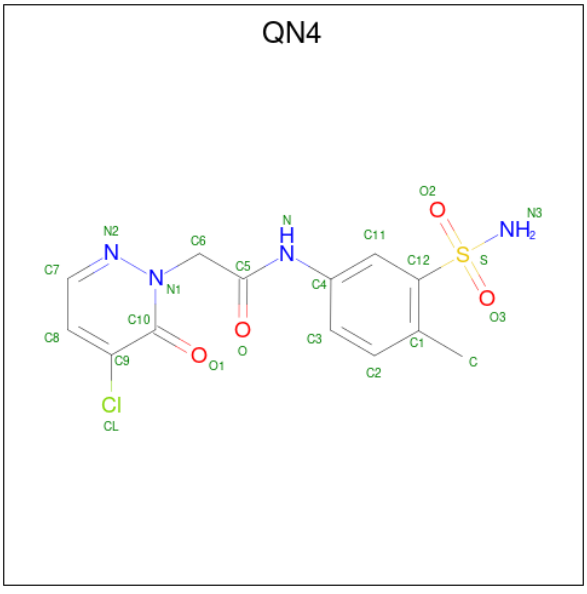
- Molecule 2 is a protein called Methylosome protein 50.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
2	B	295	4424	1415	2175	384	438	12	2175	1	0

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B	1	PRO	-	expression tag	UNP Q9BQA1

- Molecule 3 is 2-(5-chloro-6-oxopyridazin-1(6H)-yl)-N-(4-methyl-3-sulfamoylphenyl)acetamide (CCD ID: QN4) (formula: $C_{13}H_{13}ClN_4O_4S$) (labeled as "Ligand of Interest" by depositor).

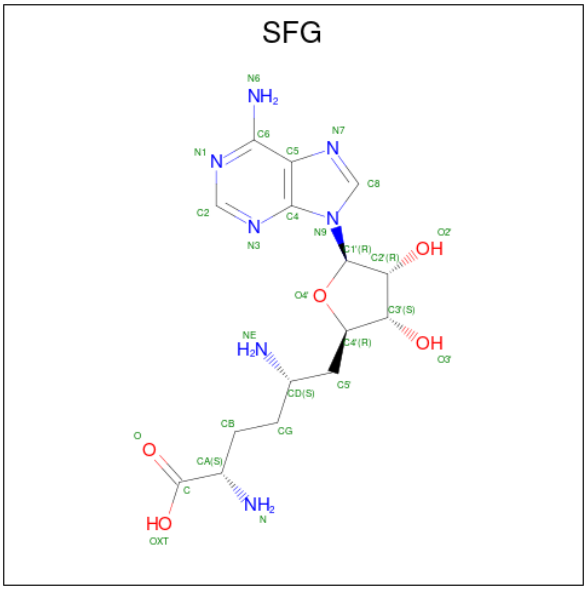


Mol	Chain	Residues	Atoms							ZeroOcc	AltConf
3	A	1	Total	C	Cl	H	N	O	S	0	0
			35	13	1	12	4	4	1		

- Molecule 4 is CHLORIDE ION (CCD ID: CL) (formula: Cl).

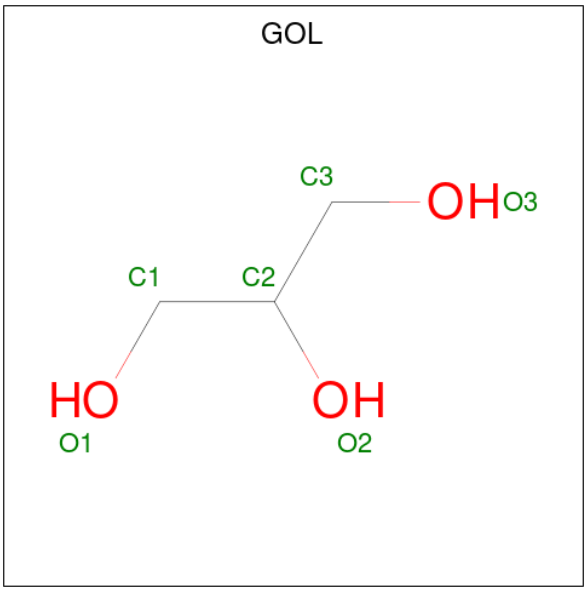
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	2	Total	Cl	0	0
			2	2		

- Molecule 5 is SINEFUNGIN (CCD ID: SFG) (formula: $C_{15}H_{23}N_7O_5$).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
5	A	1	Total	C	N	O	0	0
			27	15	7	5		

- Molecule 6 is GLYCEROL (CCD ID: GOL) (formula: $C_3H_8O_3$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
6	A	1	Total C O 6 3 3	0	0
6	A	1	Total C H O 14 3 8 3	8	0

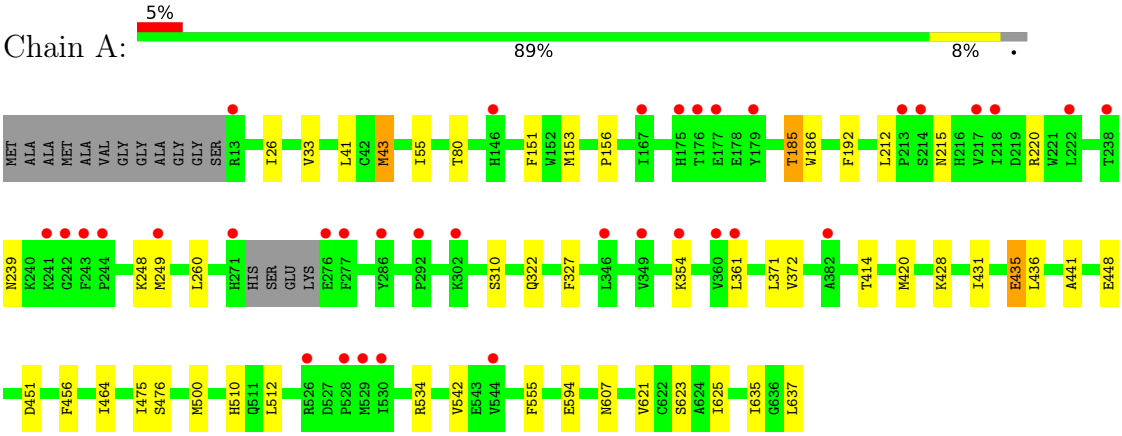
- Molecule 7 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
7	A	469	Total O 469 469	0	0
7	B	168	Total O 168 168	0	0

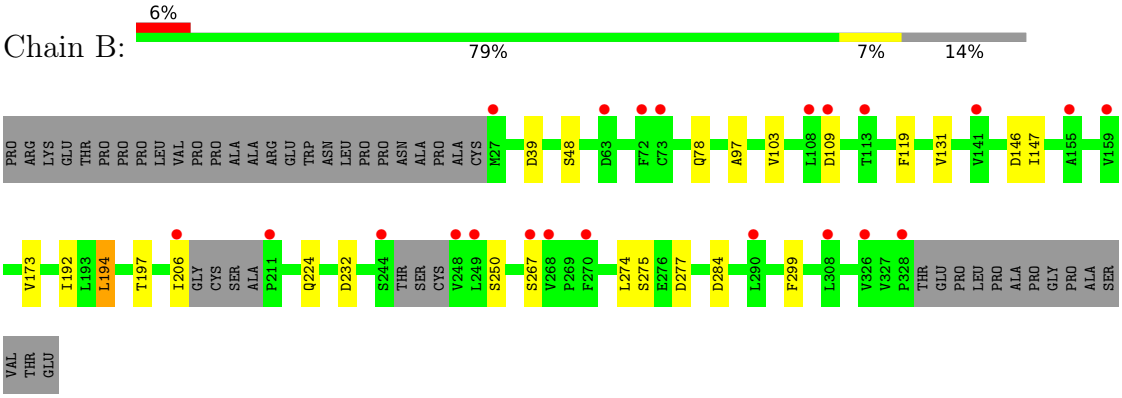
3 Residue-property plots (i)

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 arginine N-methyltransferase 5



• Molecule 2: Methylosome protein 50



4 Data and refinement statistics (i)

Property	Value	Source
Space group	I 2 2 2	Depositor
Cell constants a, b, c, α, β, γ	99.11Å 138.57Å 178.43Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	36.73 – 1.88 36.73 – 1.88	Depositor EDS
% Data completeness (in resolution range)	93.9 (36.73-1.88) 51.1 (36.73-1.88)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	0.97 (at 1.88Å)	Xtriage
Refinement program	BUSTER 2.10.3	Depositor
R, R_{free}	0.187 , 0.230 0.193 , 0.234	Depositor DCC
R_{free} test set	2428 reflections (2.42%)	wwPDB-VP
Wilson B-factor (Å^2)	33.4	Xtriage
Anisotropy	0.059	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.31 , 53.2	EDS
L-test for twinning[2]	$< \|L\| > = 0.49$, $< L^2 > = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.95	EDS
Total number of atoms	15112	wwPDB-VP
Average B, all atoms (Å^2)	44.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.48% 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

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: CL, GOL, SFG, QN4

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	0.92	3/5183 (0.1%)	1.12	10/7051 (0.1%)
2	B	0.85	0/2304	1.14	11/3142 (0.4%)
All	All	0.90	3/7487 (0.0%)	1.13	21/10193 (0.2%)

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	464	ILE	CA-C	5.59	1.58	1.52
1	A	500	MET	SD-CE	-5.12	1.66	1.79
1	A	625	ILE	CA-C	5.09	1.58	1.52

All (21) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	B	232	ASP	CA-CB-CG	7.25	119.85	112.60
1	A	607	ASN	CA-CB-CG	7.18	119.78	112.60
2	B	103	VAL	N-CA-C	-6.34	99.29	108.17
1	A	456	PHE	CA-CB-CG	6.28	120.08	113.80
2	B	284	ASP	CA-CB-CG	6.24	118.84	112.60
2	B	277	ASP	CA-CB-CG	6.14	118.74	112.60
2	B	275	SER	N-CA-C	6.13	118.27	109.14
2	B	119	PHE	CA-CB-CG	6.00	119.80	113.80
2	B	299	PHE	CA-CB-CG	5.90	119.70	113.80
1	A	327	PHE	CA-CB-CG	5.79	119.59	113.80
1	A	451	ASP	CA-CB-CG	5.63	118.23	112.60
1	A	239	ASN	CA-CB-CG	5.57	118.17	112.60
2	B	146	ASP	CA-CB-CG	5.52	118.12	112.60
1	A	151	PHE	CA-CB-CG	-5.25	108.55	113.80
2	B	109	ASP	CA-CB-CG	5.22	117.82	112.60
2	B	192	ILE	N-CA-C	-5.15	100.33	107.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	A	623	SER	N-CA-C	-5.06	102.66	109.95
1	A	248	LYS	CA-C-N	5.03	127.01	120.28
1	A	248	LYS	C-N-CA	5.03	127.01	120.28
1	A	372	VAL	N-CA-C	-5.00	105.83	110.53
2	B	173	VAL	N-CA-CB	5.00	118.82	111.52

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	A	5037	4930	4929	18	0
2	B	2249	2175	2174	2	0
3	A	23	12	0	0	0
4	A	2	0	0	0	0
5	A	27	0	22	0	0
6	A	12	8	16	1	0
7	A	469	0	0	2	0
7	B	168	0	0	0	0
All	All	7987	7125	7141	20	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 1.

All (20) 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:A:26:ILE:HD11	1:A:43:MET:HE1	1.61	0.82
1:A:156:PRO:O	1:A:185:THR:HG21	1.84	0.78
1:A:420:MET:HE1	1:A:436:LEU:HD11	1.76	0.68
1:A:361:LEU:HD11	1:A:431:ILE:HD12	1.77	0.65
1:A:212:LEU:HD12	1:A:249:MET:HG2	1.86	0.57
1:A:185:THR:HB	7:A:997:HOH:O	2.04	0.56
1:A:55:ILE:HD13	7:A:1097:HOH:O	2.08	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:194:LEU:HB2	2:B:206:ILE:HD11	1.91	0.51
1:A:80:THR:O	6:A:705:GOL:H31	2.14	0.47
1:A:33:VAL:HG21	1:A:41:LEU:HD13	1.97	0.46
1:A:156:PRO:O	1:A:185:THR:CG2	2.61	0.46
2:B:97:ALA:HB2	2:B:131:VAL:HG13	1.99	0.44
1:A:371:LEU:HD11	1:A:435:GLU:HB2	1.99	0.44
1:A:153:MET:HE2	1:A:192:PHE:CE2	2.54	0.43
1:A:186:TRP:CZ3	1:A:220:ARG:NH2	2.87	0.43
1:A:476:SER:HB2	1:A:512:LEU:HD21	2.01	0.43
1:A:476:SER:HB3	1:A:510:HIS:HB3	2.01	0.42
1:A:153:MET:HE2	1:A:192:PHE:CZ	2.55	0.41
1:A:441:ALA:HB2	1:A:555:PHE:HB2	2.03	0.41
1:A:448:GLU:HG2	1:A:637:LEU:HD21	2.03	0.41

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	620/637 (97%)	601 (97%)	18 (3%)	1 (0%)	43	34
2	B	290/342 (85%)	283 (98%)	6 (2%)	1 (0%)	36	26
All	All	910/979 (93%)	884 (97%)	24 (3%)	2 (0%)	43	34

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	B	147	ILE
1	A	354	LYS

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	A	554/562 (99%)	539 (97%)	15 (3%)	39	23
2	B	253/290 (87%)	244 (96%)	9 (4%)	31	14
All	All	807/852 (95%)	783 (97%)	24 (3%)	36	19

All (24) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	43	MET
1	A	185	THR
1	A	215	ASN
1	A	260	LEU
1	A	310	SER
1	A	322	GLN
1	A	414	THR
1	A	428	LYS
1	A	435	GLU
1	A	475	ILE
1	A	534	ARG
1	A	542	VAL
1	A	594	GLU
1	A	621	VAL
1	A	635	ILE
2	B	39	ASP
2	B	48	SER
2	B	78	GLN
2	B	194	LEU
2	B	197	THR
2	B	224	GLN
2	B	250	SER
2	B	267	SER
2	B	274	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (15) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	21	ASN
1	A	36	GLN
1	A	66	GLN
1	A	79	ASN
1	A	216	HIS
1	A	239	ASN
1	A	271	HIS
1	A	282	GLN
1	A	510	HIS
1	A	511	GLN
1	A	525	ASN
2	B	111	ASN
2	B	178	HIS
2	B	223	GLN
2	B	234	ASN

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 6 ligands modelled in this entry, 2 are monoatomic - leaving 4 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	$\#\|Z\|>2$
3	QN4	A	701	1	24,24,24	0.41	0	31,35,35	0.63	1 (3%)
5	SFG	A	704	-	28,29,29	0.56	1 (3%)	34,42,42	0.59	0
6	GOL	A	705	-	5,5,5	0.12	0	5,5,5	0.20	0
6	GOL	A	706	-	5,5,5	0.16	0	5,5,5	0.22	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
3	QN4	A	701	1	-	6/14/14/14	0/2/2/2
5	SFG	A	704	-	-	2/17/33/33	0/3/3/3
6	GOL	A	705	-	-	1/4/4/4	-
6	GOL	A	706	-	-	0/4/4/4	-

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
5	A	704	SFG	CB-CA	2.64	1.58	1.53

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	A	701	QN4	C8-C7-N2	-2.40	122.14	124.99

There are no chirality outliers.

All (9) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
5	A	704	SFG	NE-CD-CG-CB
5	A	704	SFG	C5'-CD-CG-CB
3	A	701	QN4	C11-C12-S-O3
3	A	701	QN4	C11-C12-S-O2
3	A	701	QN4	C11-C12-S-N3
6	A	705	GOL	O1-C1-C2-O2
3	A	701	QN4	C1-C12-S-O2
3	A	701	QN4	C1-C12-S-O3
3	A	701	QN4	C1-C12-S-N3

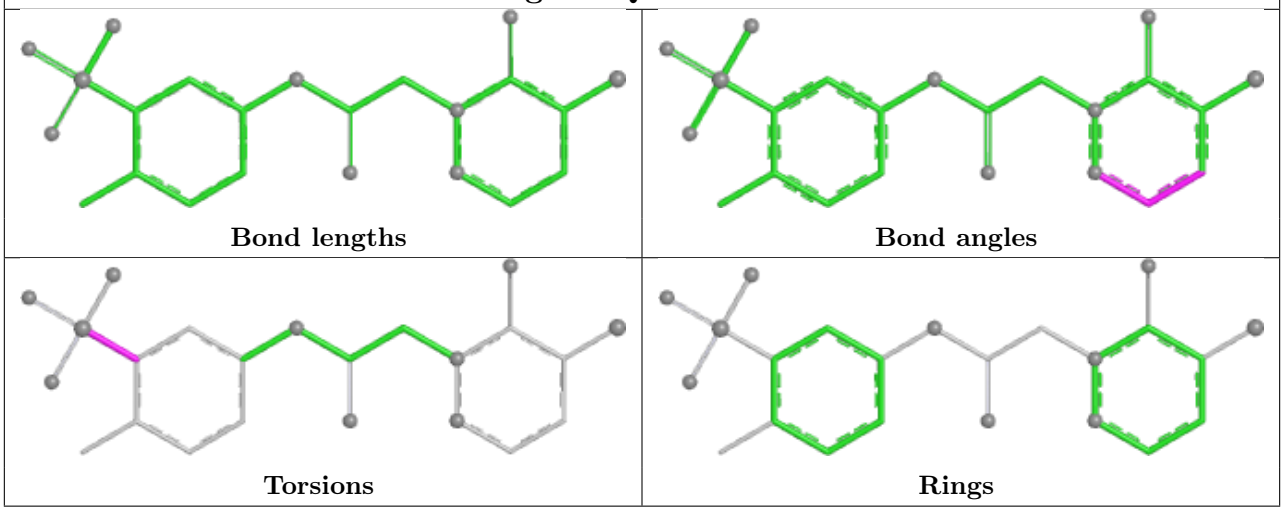
There are no ring outliers.

1 monomer is involved in 1 short contact:

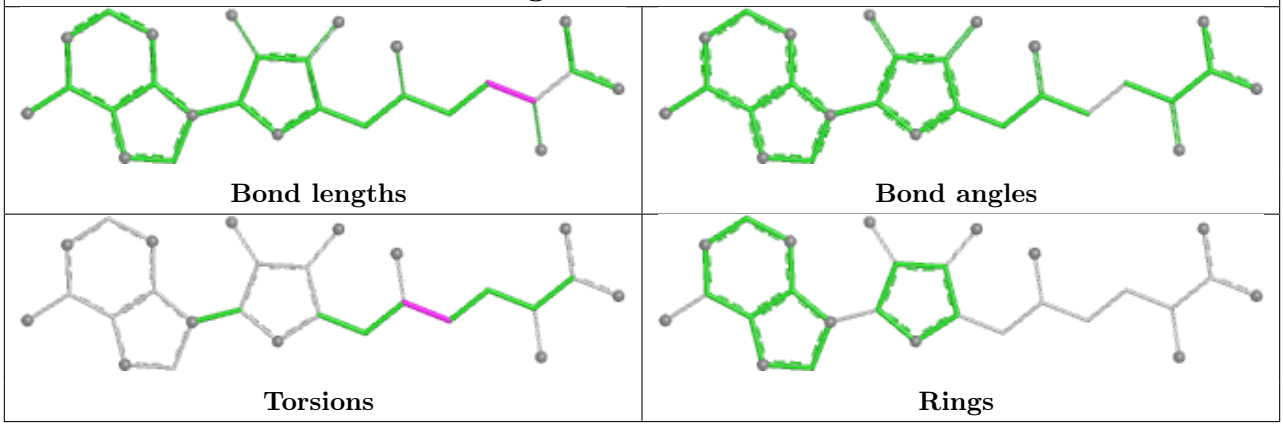
Mol	Chain	Res	Type	Clashes	Symm-Clashes
6	A	705	GOL	1	0

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 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 QN4 A 701



Ligand SFG A 704



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, 95^{th} 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	621/637 (97%)	0.22	35 (5%)	30	32	5, 18, 44, 66	3 (0%)
2	B	295/342 (86%)	0.62	22 (7%)	20	23	9, 25, 48, 70	1 (0%)
All	All	916/979 (93%)	0.35	57 (6%)	26	29	5, 21, 46, 70	4 (0%)

All (57) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
2	B	248	VAL	6.1
1	A	346	LEU	4.0
1	A	286[A]	TYR	3.7
2	B	244	SER	3.7
1	A	276	GLU	3.3
1	A	530	ILE	3.3
2	B	72	PHE	3.1
1	A	249	MET	3.1
1	A	349	VAL	3.1
1	A	361	LEU	3.0
2	B	206	ILE	2.9
2	B	268	VAL	2.9
1	A	146	HIS	2.9
1	A	271	HIS	2.9
2	B	249	LEU	2.9
1	A	222	LEU	2.8
2	B	308	LEU	2.8
2	B	211	PRO	2.8
1	A	179	TYR	2.8
2	B	290	LEU	2.8
1	A	218	ILE	2.7
1	A	528	PRO	2.7
2	B	73	CYS	2.6
1	A	176	THR	2.6

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Mol	Chain	Res	Type	RSRZ
1	A	529	MET	2.6
1	A	177	GLU	2.6
1	A	243	PHE	2.6
1	A	277	PHE	2.6
1	A	526	ARG	2.6
2	B	270	PHE	2.5
1	A	544	VAL	2.5
2	B	27	MET	2.5
2	B	328	PRO	2.5
2	B	109	ASP	2.5
1	A	241	LYS	2.5
1	A	214	SER	2.5
2	B	159	VAL	2.5
2	B	108	LEU	2.4
2	B	267	SER	2.4
1	A	175	HIS	2.4
1	A	354	LYS	2.4
1	A	167	ILE	2.4
1	A	217	VAL	2.4
1	A	292	PRO	2.3
1	A	242	GLY	2.3
2	B	63	ASP	2.3
1	A	244	PRO	2.2
2	B	155	ALA	2.2
2	B	113	THR	2.1
2	B	326	VAL	2.1
1	A	302	LYS	2.1
1	A	360	VAL	2.1
1	A	382	ALA	2.1
1	A	213	PRO	2.0
1	A	13	ARG	2.0
1	A	238	THR	2.0
2	B	141	VAL	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)

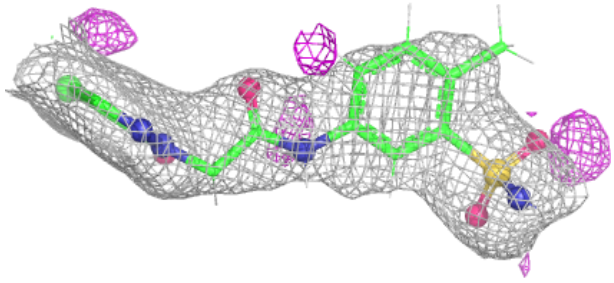
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95^{th} percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9'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

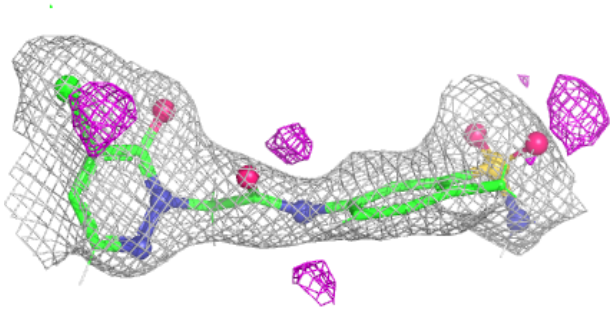
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
3	QN4	A	701	23/23	0.85	0.12	88,100,102,104	0
6	GOL	A	706	6/6	0.87	0.10	49,50,50,50	8
6	GOL	A	705	6/6	0.91	0.11	45,55,58,59	0
4	CL	A	702	1/1	0.94	0.13	60,60,60,60	0
5	SFG	A	704	27/27	0.96	0.07	21,25,50,51	0
4	CL	A	703	1/1	0.98	0.06	41,41,41,41	0

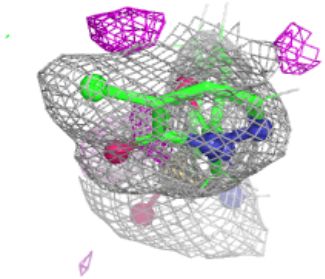
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation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

Electron density around QN4 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)

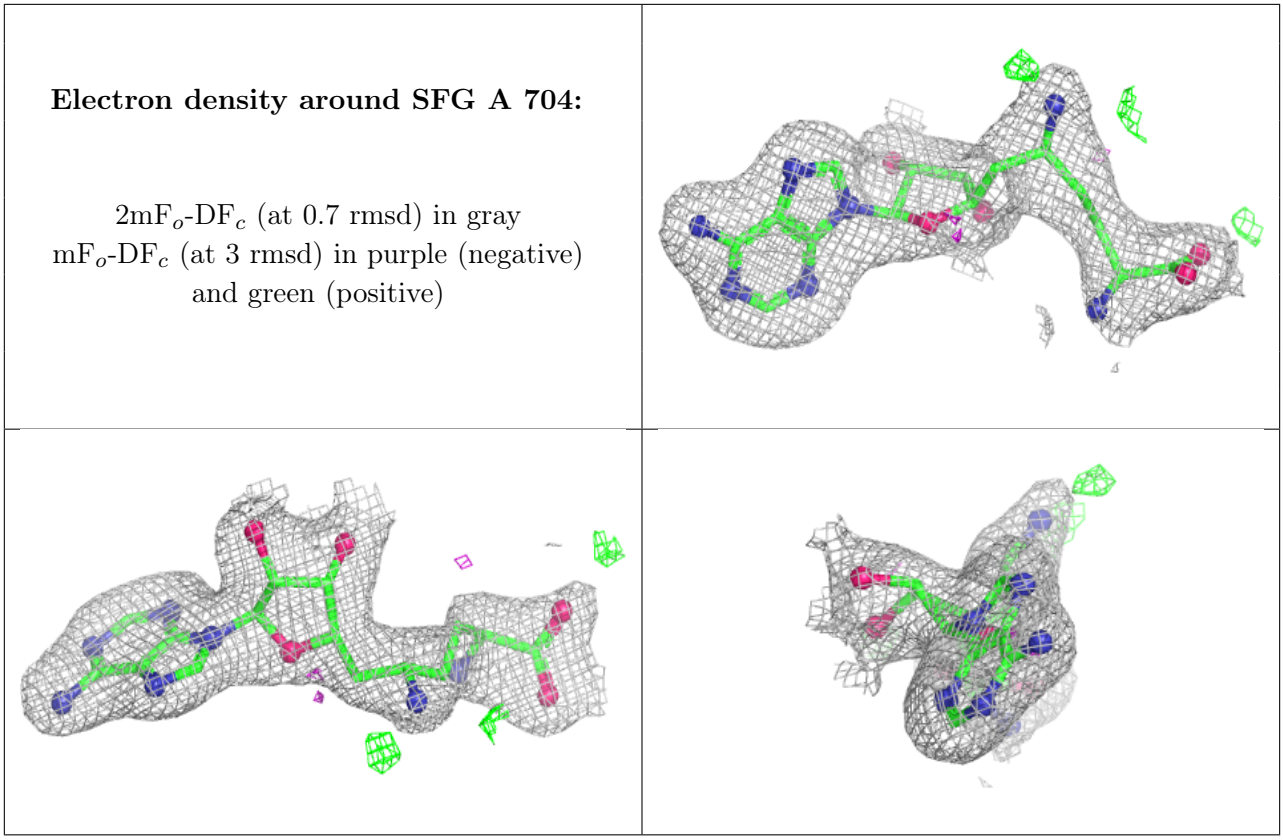






Electron density around SFG A 704:

$2mF_o$-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.