

Full wwPDB X-ray Structure Validation Report (i)

Nov 12, 2024 – 03:10 AM EST

PDB ID	:	7G1U
Title	:	Crystal Structure of human FABP4 in complex with 2-[[5-chloro-2-(3-meth
		yl-1,2,4-oxadiazol-5-yl)phenyl]carbamoyl]cyclopentene-1-carboxylic acid,
		i.e. SMILES $N(c1cc(ccc1C1=NC(=NO1)C)CI)C(=O)C1=C(CCC1)C(=O)O$
		with $IC50=0.195$ microM
Authors	:	Ehler, A.; Benz, J.; Obst, U.; Richter, H.; Rudolph, M.G.
Deposited on	:	2023-04-27
Resolution	:	1.14 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 (1)) were used in the production of this report:

$\begin{array}{rcl} Mogul & : & 2022.3.0, \mbox{ CSD as543be (2022)} \\ Xtriage (Phenix) & : & 1.20.1 \\ & EDS & : & 3.0 \\ & buster-report & : & 1.1.7 \ (2018) \end{array}$	MolProbity	:	4.02b-467
EDS : 3.0 buster-report : 1.1.7 (2018)	Mogul	:	2022.3.0, CSD as 543 be (2022)
buster-report : $1.1.7$ (2018)	Xtriage (Phenix)	:	1.20.1
-	EDS	:	3.0
	buster-report	:	1.1.7(2018)
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)	Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4 : $9.0.003$ (Gargrove)	CCP4	:	9.0.003 (Gargrove)
Density-Fitness : $1.0.11$	Density-Fitness	:	1.0.11
Ideal geometry (proteins) : Engh & Huber (2001)	Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)	Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.39	Validation Pipeline (wwPDB-VP)	:	2.39

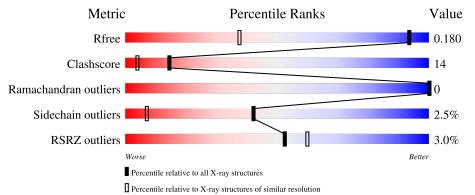


1 Overall quality at a glance (i)

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

The reported resolution of this entry is 1.14 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	$\begin{array}{l} \textbf{Whole archive} \\ (\#\textbf{Entries}) \end{array}$	${f Similar\ resolution}\ (\#{ m Entries,\ resolution\ range}({ m \AA}))$
R_{free}	164625	1095 (1.16-1.12)
Clashscore	180529	1248 (1.16-1.12)
Ramachandran outliers	177936	1224 (1.16-1.12)
Sidechain outliers	177891	1224 (1.16-1.12)
RSRZ outliers	164620	1095 (1.16-1.12)

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		
			3%		
1	А	135	78%	19%	••

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	DMS	А	207	-	-	Х	-



7G1U

2 Entry composition (i)

There are 5 unique types of molecules in this entry. The entry contains 2442 atoms, of which 1149 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.

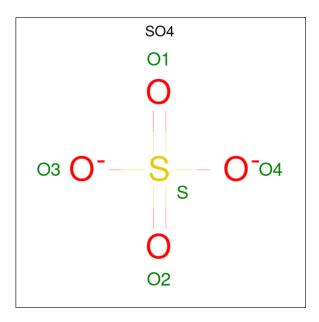
• Molecule 1 is a protein called Fatty acid-binding protein, adipocyte.

Mol	Chain	Residues			Atom	IS			ZeroOcc	AltConf	Trace
1	А	134	Total 2223	C 696	Н 1112	N 185	0 221	S 9	29	11	0

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
А	-3	GLY	-	expression tag	UNP P15090
А	-2	SER	-	expression tag	UNP P15090
А	-1	HIS	-	expression tag	UNP P15090

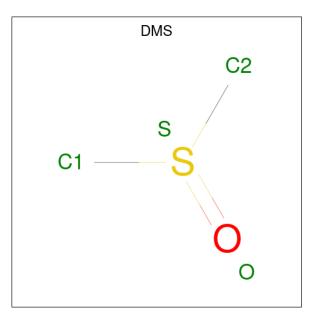
• Molecule 2 is SULFATE ION (three-letter code: SO4) (formula: O_4S).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	А	1	$\begin{array}{ccc} \text{Total} & \text{O} & \text{S} \\ 5 & 4 & 1 \end{array}$	0	0
2	А	1	$\begin{array}{ccc} \text{Total} & \text{O} & \text{S} \\ 5 & 4 & 1 \end{array}$	0	0



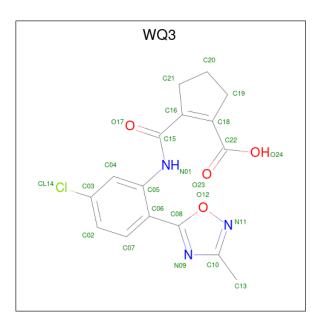
• Molecule 3 is DIMETHYL SULFOXIDE (three-letter code: DMS) (formula: C₂H₆OS).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf	
3	Δ	1	Total C H O S	0	0	
5	Л	Ţ	10 2 6 1 1	0	0	
3	٨	1	Total C H O S	0	0	
5	A	1	10 2 6 1 1	0	0	
3	٨	1	Total C H O S	0	0	
5	A	1	10 2 6 1 1	0	0	
3	٨	1	Total C H O S	0	0	
0	A		10 2 6 1 1	0	0	

• Molecule 4 is 2-{[(2M)-5-chloro-2-(3-methyl-1,2,4-oxadiazol-5-yl)phenyl]carbamoyl}cyclop ent-1-ene-1-carboxylic acid (three-letter code: WQ3) (formula: C₁₆H₁₄ClN₃O₄) (labeled as "Ligand of Interest" by depositor).





Mol	Chain	Residues		I	Aton	ıs			ZeroOcc	AltConf
4	А	1	Total 37	C 16		Н 13	N 3	0 4	0	0

• Molecule 5 is water.

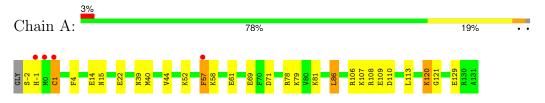
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
5	А	129	Total O 132 132	0	3



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: Fatty acid-binding protein, adipocyte





4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants	32.65Å 53.79Å 74.84Å	Depositor
a, b, c, α , β , γ	90.00° 90.00° 90.00°	Depositor
Resolution (Å)	43.68 - 1.14	Depositor
Resolution (A)	43.68 - 1.14	EDS
% Data completeness	96.2 (43.68-1.14)	Depositor
(in resolution range)	96.1 (43.68-1.14)	EDS
R _{merge}	0.06	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) > 1$	$1.57 (at 1.14 \text{\AA})$	Xtriage
Refinement program	REFMAC 5.8.0403	Depositor
R, R_{free}	0.143 , 0.180	Depositor
II, II, <i>free</i>	0.144 , 0.180	DCC
R_{free} test set	2459 reflections $(5.06%)$	wwPDB-VP
Wilson B-factor $(Å^2)$	13.0	Xtriage
Anisotropy	0.304	Xtriage
Bulk solvent $k_{sol}(e/Å^3)$, $B_{sol}(Å^2)$	0.41, 39.1	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	0.98	EDS
Total number of atoms	2442	wwPDB-VP
Average B, all atoms $(Å^2)$	18.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: The largest off-origin peak in the Patterson function is 12.14% of the height of the origin peak. No significant pseudotranslation is detected.

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.



¹Intensities estimated from amplitudes.

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: WQ3, DMS, SO4 $\,$

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).

Mal	Chain	Bo	nd lengths	Bond angles		
Mol Ch	Chain	RMSZ	# Z > 5	RMSZ	# Z > 5	
1	А	1.19	3/1143~(0.3%)	1.29	12/1533~(0.8%)	

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	$\operatorname{Observed}(\operatorname{\AA})$	Ideal(Å)
1	А	14	GLU	CD-OE2	6.86	1.33	1.25
1	А	61	GLU	CD-OE2	-6.57	1.18	1.25
1	А	69	GLU	CD-OE1	-6.18	1.18	1.25

All (12) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Ζ	$\mathbf{Observed}(^{o})$	$Ideal(^{o})$
1	А	86	LEU	CA-CB-CG	8.75	135.41	115.30
1	А	4	PHE	CB-CG-CD2	7.38	125.96	120.80
1	А	108	ARG	NE-CZ-NH2	7.36	123.98	120.30
1	А	78	ARG	NE-CZ-NH2	-7.23	116.69	120.30
1	А	129	GLU	OE1-CD-OE2	7.14	131.87	123.30
1	А	106	ARG	NE-CZ-NH1	6.87	123.73	120.30
1	А	57	PHE	CB-CG-CD2	-6.04	116.57	120.80
1	А	110	ASP	CB-CG-OD1	5.95	123.66	118.30
1	А	106	ARG	NE-CZ-NH2	-5.65	117.47	120.30
1	А	79	LYS	CB-CG-CD	5.20	125.11	111.60
1	А	-2	SER	CB-CA-C	5.13	119.84	110.10
1	А	78	ARG	NE-CZ-NH1	5.12	122.86	120.30

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	А	1111	1112	1123	31	0
2	А	10	0	0	1	0
3	А	16	24	24	7	0
4	А	24	13	0	0	0
5	А	132	0	0	6	0
All	All	1293	1149	1147	32	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 14.

All (32) 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:15[A]:ASN:ND2	5:A:302:HOH:O	1.91	1.01
1:A:107:LYS:NZ	1:A:109[A]:GLU:OE2	2.03	0.92
1:A:57:PHE:CD1	1:A:58:LYS:HG2	2.07	0.89
1:A:71[A]:ASP:OD1	1:A:81:LYS:NZ	2.11	0.83
1:A:22[A]:GLU:OE2	1:A:120[A]:LYS:HG3	1.80	0.81
1:A:107:LYS:CE	1:A:109[A]:GLU:OE2	2.29	0.81
1:A:71[A]:ASP:OD1	1:A:81:LYS:HD3	1.83	0.78
1:A:1[B]:CYS:SG	3:A:207:DMS:C1	2.73	0.77
1:A:57:PHE:CD1	1:A:58:LYS:CG	2.69	0.75
1:A:57:PHE:CE1	1:A:58:LYS:CG	2.74	0.71
1:A:57:PHE:CE1	1:A:58:LYS:HG3	2.26	0.71
2:A:201:SO4:O4	5:A:303:HOH:O	2.08	0.70
1:A:22[A]:GLU:HG3	1:A:120[A]:LYS:HE2	1.78	0.65
1:A:1[B]:CYS:SG	3:A:207:DMS:H12	2.36	0.64
1:A:57:PHE:CE1	1:A:58:LYS:HG2	2.33	0.63
1:A:1[B]:CYS:SG	3:A:207:DMS:H11	2.38	0.62
1:A:44:VAL:HG11	3:A:207:DMS:H11	1.85	0.59
1:A:107:LYS:HE2	5:A:374:HOH:O	2.02	0.58
1:A:-1:HIS:CB	3:A:207:DMS:H12	2.38	0.53
1:A:-1:HIS:HB2	3:A:207:DMS:H12	1.90	0.52
1:A:107:LYS:HE3	1:A:109[A]:GLU:OE2	2.11	0.50
1:A:120[A]:LYS:HB2	1:A:121[A]:GLY:H	1.52	0.48

Continued on next page...



7G1U	
------	--

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:71[A]:ASP:OD1	1:A:81:LYS:CD	2.58	0.47
1:A:39:ASN:ND2	5:A:306:HOH:O	2.50	0.45
1:A:71[A]:ASP:CG	1:A:81:LYS:HZ3	2.16	0.45
1:A:52:LYS:HE3	5:A:408:HOH:O	2.18	0.44
1:A:40:MET:HE1	1:A:113:LEU:HD22	2.00	0.43
1:A:40:MET:HG3	5:A:342:HOH:O	2.18	0.43
1:A:57:PHE:HE1	1:A:58:LYS:HG3	1.78	0.42
1:A:1[B]:CYS:HG	3:A:207:DMS:C1	2.31	0.41

Continued from previous page...

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		
1	А	143/135~(106%)	138 (96%)	5(4%)	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 side chain 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	Analysed Rotameric		Percentiles	
1	А	127/118~(108%)	122~(96%)	5(4%)	27 2	

All (5) residues with a non-rotameric sidechain are listed below:



Mol	Chain	Res	Type
1	А	1[A]	CYS
1	А	1[B]	CYS
1	А	86	LEU
1	А	120[A]	LYS
1	А	120[B]	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (1) such sidechains are listed below:

Mol	Chain	Res	Type
1	А	39	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		n Res Link		ond leng	\mathbf{ths}	В	Bond ang	gles		
NIOI	туре	Chain	nes	nes	nes	LIIIK	Counts	RMSZ	# Z >2	Counts	RMSZ	# Z >2
2	SO4	А	201	-	4,4,4	1.46	2 (50%)	$6,\!6,\!6$	0.77	0		
3	DMS	А	203	-	3,3,3	0.65	0	$3,\!3,\!3$	0.68	0		
3	DMS	А	207	-	3,3,3	0.60	0	3,3,3	1.01	0		



Mol	Type	Chain	Res	Link	Link Bond lengths			Bond angles		
	туре		nes		Counts	RMSZ	# Z >2	Counts	RMSZ	# Z > 2
2	SO4	А	202	-	4,4,4	0.53	0	$6,\!6,\!6$	0.77	0
4	WQ3	А	204	-	22,26,26	1.44	5 (22%)	30,37,37	2.90	11 (36%)
3	DMS	А	206	-	$3,\!3,\!3$	1.55	1 (33%)	$3,\!3,\!3$	1.08	0
3	DMS	А	205	-	3,3,3	0.78	0	3,3,3	0.70	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
4	WQ3	А	204	-	-	4/12/26/26	0/3/3/3

All (8) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
4	А	204	WQ3	C07-C02	2.92	1.43	1.38
4	А	204	WQ3	C08-N09	-2.88	1.27	1.35
4	А	204	WQ3	C06-C05	2.83	1.44	1.40
4	А	204	WQ3	C13-C10	-2.23	1.43	1.49
3	А	206	DMS	C1-S	-2.22	1.60	1.76
4	А	204	WQ3	C20-C19	2.17	1.60	1.52
2	А	201	SO4	O3-S	2.05	1.64	1.48
2	А	201	SO4	O1-S	2.02	1.56	1.44

All (11) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Ζ	$Observed(^{o})$	$Ideal(^{o})$
4	А	204	WQ3	C07-C02-C03	7.40	126.69	119.24
4	А	204	WQ3	C06-C08-N09	6.96	132.75	123.51
4	А	204	WQ3	C10-N09-C08	5.97	107.82	103.74
4	А	204	WQ3	C02-C07-C06	-4.99	111.72	120.33
4	А	204	WQ3	C07-C06-C05	4.18	121.91	117.89
4	А	204	WQ3	O17-C15-C16	4.05	129.01	122.10
4	А	204	WQ3	C15-C16-C18	-3.72	118.99	129.77
4	А	204	WQ3	C13-C10-N09	2.31	126.28	120.49
4	А	204	WQ3	C21-C16-C15	2.28	128.06	121.53
4	А	204	WQ3	C04-C03-CL14	2.13	121.84	119.17
4	А	204	WQ3	O17-C15-N01	-2.08	118.96	123.89

There are no chirality outliers.



Mol	Chain	Res	Type	Atoms
4	А	204	WQ3	C16-C18-C22-O23
4	А	204	WQ3	C16-C18-C22-O24
4	А	204	WQ3	C19-C18-C22-O23
4	А	204	WQ3	C19-C18-C22-O24

All (4) torsion outliers are listed below:

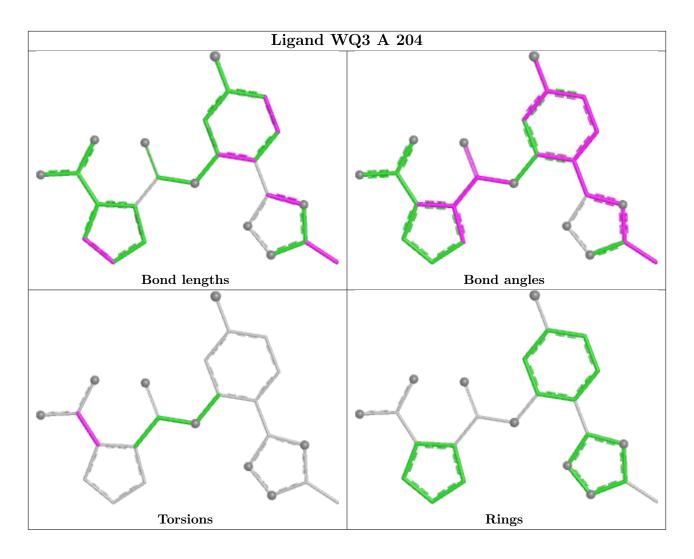
There are no ring outliers.

2 monomers are involved in 8 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	А	201	SO4	1	0
3	А	207	DMS	7	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 sufficient The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.





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, 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		>2	$OWAB(Å^2)$	Q < 0.9
1	А	134/135~(99%)	-0.23	4 (2%)	52	60	8, 14, 30, 43	11 (8%)

All (4) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ	
1	А	0	MET	3.2	
1	А	1[A]	CYS	2.4	
1	А	-1	HIS	2.4	
1	А	57	PHE	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, 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	$\mathbf{B} ext{-factors}(\mathbf{\AA}^2)$	Q < 0.9
3	DMS	А	206	4/4	0.92	0.14	22,23,39,42	0
3	DMS	А	203	4/4	0.94	0.11	22,24,24,30	0
2	SO4	А	201	5/5	0.94	0.10	16,21,34,40	0

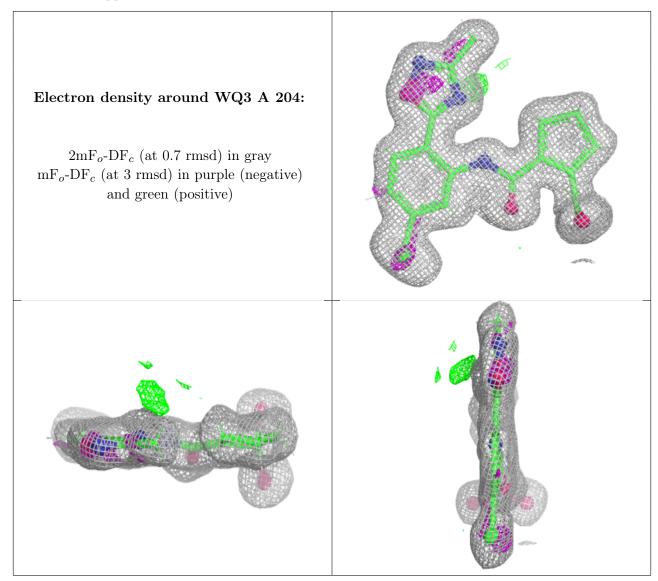
Continued on next page...



Contre	Continueu front prettous page											
Mol	Type	Chain	Res	Atoms	RSCC	RSR	$B-factors(Å^2)$	Q < 0.9				
3	DMS	А	207	4/4	0.95	0.10	$19,\!32,\!45,\!47$	0				
2	SO4	А	202	5/5	0.96	0.08	29,30,34,42	0				
3	DMS	А	205	4/4	0.96	0.11	19,21,29,30	0				
4	WQ3	А	204	24/24	0.97	0.06	15,19,25,32	0				

Continued from previous page...

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.



6.5 Other polymers (i)

There are no such residues in this entry.

