

# Full wwPDB X-ray Structure Validation Report (i)

#### Oct 8, 2023 – 12:03 PM EDT

PDB ID : 4R6S

Title: Crystal structure of PPARgammma in complex with SR1663

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Deposited on : 2014-08-26

Resolution : 2.30 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:

MolProbity: 4.02b-467

Mogul : 1.8.5 (274361), CSD as541be (2020)

Xtriage (Phenix) : 1.13

EDS : 2.35.1

buster-report : 1.1.7 (2018)

Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)

Refmac : 5.8.0158

CCP4 : 7.0.044 (Gargrove)

Ideal geometry (proteins) : Engh & Huber (2001) Ideal geometry (DNA, RNA) : Parkinson et al. (1996)

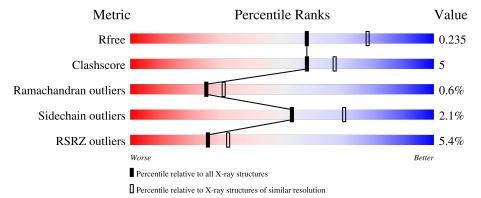
 $Validation\ Pipeline\ (wwPDB-VP) \quad : \quad 2.35.1$ 

# 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 2.30 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	Similar resolution
Metric	$(\#  ext{Entries})$	$(\#  ext{Entries},  ext{ resolution range}( ext{Å}))$
$R_{free}$	130704	5042 (2.30-2.30)
Clashscore	141614	5643 (2.30-2.30)
Ramachandran outliers	138981	5575 (2.30-2.30)
Sidechain outliers	138945	5575 (2.30-2.30)
RSRZ outliers	127900	4938 (2.30-2.30)

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	275	86%	8% • 5%
1	В	275	80%	11% • 8%



# 2 Entry composition (i)

There are 3 unique types of molecules in this entry. The entry contains 4260 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 Peroxisome proliferator-activated receptor gamma.

Mol	Chain	Residues		At	oms			ZeroOcc	AltConf	Trace	
1	Λ	262	Total	С	N	О	S	0	0 3	0 2	0
1	A 262	202	2062	1327	334	392	9	0	0	U	
1	D	254	Total	С	N	О	S	0	6	0	
1	Б	204	2000	1299	328	363	10		0	U	

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	447	PHE	THR	engineered mutation	UNP P37231
В	447	PHE	THR	engineered mutation	UNP P37231

• Molecule 2 is 4'-[(2,3-dimethyl-5-{[(1R)-1-(4-nitrophenyl)ethyl]carbamoyl}-1H-indol-1-yl)m ethyl]biphenyl-2-carboxylic acid (three-letter code: 3K2) (formula:  $C_{33}H_{29}N_3O_5$ ).

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
2	A	1	Total 41	C 33	N 3	O 5	0	0

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Mol	Chain	Residues	${f Atoms}$				ZeroOcc	AltConf
2	В	1	Total 41	C 33	N 3	O 5	0	0

### • Molecule 3 is water.

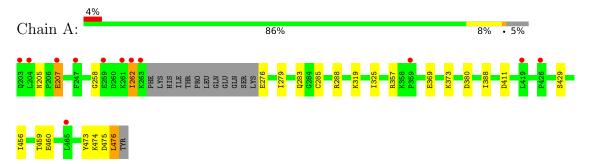
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	A	53	Total O 53 53	0	0
3	В	63	Total O 63 63	0	0



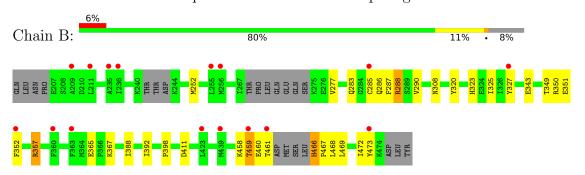
# 3 Residue-property plots (i)

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: Peroxisome proliferator-activated receptor gamma



• Molecule 1: Peroxisome proliferator-activated receptor gamma





# 4 Data and refinement statistics (i)

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants	93.24Å 61.94Å 119.23Å	Donositor
a, b, c, $\alpha$ , $\beta$ , $\gamma$	90.00° 103.44° 90.00°	Depositor
Resolution (Å)	41.12 - 2.30	Depositor
Resolution (A)	41.12 - 2.30	EDS
% Data completeness	97.6 (41.12-2.30)	Depositor
(in resolution range)	97.7 (41.12-2.30)	EDS
$R_{merge}$	0.03	Depositor
$R_{sym}$	(Not available)	Depositor
$< I/\sigma(I) > 1$	2.19 (at 2.29Å)	Xtriage
Refinement program	PHENIX 1.8_1069	Depositor
D D.	0.171 , 0.233	Depositor
$R, R_{free}$	0.175 , $0.235$	DCC
$R_{free}$ test set	1452 reflections $(5.02\%)$	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	58.0	Xtriage
Anisotropy	0.363	Xtriage
Bulk solvent $k_{sol}(e/Å^3)$ , $B_{sol}(Å^2)$	0.34, 74.3	EDS
L-test for twinning <sup>2</sup>	$ < L >=0.50, < L^2>=0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
$F_o, F_c$ correlation	0.97	EDS
Total number of atoms	4260	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	81.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: The largest off-origin peak in the Patterson function is 6.02% of the height of the origin peak. No significant pseudotranslation is detected.

<sup>&</sup>lt;sup>2</sup>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.



<sup>&</sup>lt;sup>1</sup>Intensities 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: 3K2

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		
MIOI		RMSZ	# Z  > 5	RMSZ	# Z  > 5	
1	A	0.46	0/2105	0.55	0/2849	
1	В	0.42	0/2052	0.55	0/2771	
All	All	0.44	0/4157	0.55	0/5620	

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	A	2062	0	2058	18	0
1	В	2000	0	2000	23	0
2	A	41	0	28	2	0
2	В	41	0	28	6	0
3	A	53	0	0	2	0
3	В	63	0	0	3	0
All	All	4260	0	4114	40	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 5.

All (40) close contacts within the same asymmetric unit are listed below, sorted by their clash



## magnitude.

Atom-1	Atom-2	Interatomic	Clash
1.D.000[A]. ADC.IIC2	9.D.F01.9I/0.II10	distance (Å)	overlap (Å)
1:B:288[A]:ARG:HG3	2:B:501:3K2:H18	1.69	0.75
1:A:325:ILE:HG23	1:A:388:ILE:HD12 1:A:460:GLU:HG2	1.70	0.74
1:A:459:THR:HG23		1.70	0.72
1:A:319:LYS:NZ	3:A:647:HOH:O	2.24	0.69
1:A:474:LYS:NZ	1:A:475:ASP:OD1	2.29	0.62
1:B:349:THR:HG22	1:B:352:PHE:H	1.64	0.62
1:A:279:ILE:O	1:A:283:GLN:HG2	2.03	0.59
1:B:466:HIS:HB2	1:B:469:LEU:HB2	1.84	0.58
1:B:357:ARG:HH22	1:B:459:THR:HG23	1.70	0.57
1:B:286:GLN:HE22	2:B:501:3K2:H27	1.74	0.52
1:B:323:HIS:CD2	2:B:501:3K2:H14	2.45	0.51
1:B:327:TYR:CE1	1:B:367:LYS:HE3	2.45	0.51
1:B:323:HIS:NE2	2:B:501:3K2:H25	2.26	0.51
1:A:285[A]:CYS:SG	2:A:501:3K2:H28	2.53	0.49
1:A:288:ARG:NH1	2:A:501:3K2:O41	2.35	0.48
1:A:429:SER:OG	1:B:411[B]:ASP:OD1	2.21	0.47
1:B:320:TYR:CZ	1:B:398:PRO:HG2	2.51	0.46
1:B:349:THR:HG22	1:B:351:GLU:N	2.30	0.46
1:B:466:HIS:N	1:B:467:PRO:HD3	2.30	0.46
1:A:411[B]:ASP:HB3	3:B:643:HOH:O	2.15	0.46
1:A:473:TYR:HA	1:A:476:LEU:HD22	1.98	0.46
1:A:411[A]:ASP:HB3	3:B:643:HOH:O	2.16	0.45
1:B:325:ILE:HD11	1:B:392:ILE:CG1	2.46	0.45
1:B:286:GLN:NE2	2:B:501:3K2:H27	2.32	0.45
1:A:288:ARG:HA	1:A:288:ARG:HD3	1.74	0.45
1:B:290:VAL:HG21	1:B:473:TYR:CD1	2.51	0.44
1:B:308:ASN:ND2	3:B:645:HOH:O	2.50	0.44
1:B:350:ARG:NH2	1:B:365:GLU:OE2	2.41	0.44
1:B:283:GLN:HB3	1:B:287[B]:PHE:CZ	2.52	0.44
1:B:288[A]:ARG:HD2	2:B:501:3K2:O41	2.18	0.43
1:A:276:GLU:OE2	1:A:357:ARG:NE	2.45	0.43
1:A:380:ASP:HB2	3:A:608:HOH:O	2.19	0.43
1:A:456:ILE:HA	1:A:459:THR:HG22	2.00	0.42
1:A:205:ASN:OD1	1:A:207:GLU:HG2	2.20	0.42
1:B:325:ILE:HG12	1:B:388[A]:ILE:HG23	2.03	0.41
1:B:468:LEU:O	1:B:472:ILE:HG13	2.20	0.41
1:B:277:VAL:H	1:B:277:VAL:HG23	1.62	0.41
1:A:369:GLU:O	1:A:373:LYS:HG3	2.21	0.41
1:B:252:MET:HE1	1:B:277:VAL:HG21	2.03	0.40
1:A:258:GLY:O	1:A:262:ILE:HB	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	Perce	entiles
1	A	261/275~(95%)	257 (98%)	4 (2%)	0	100	100
1	В	252/275~(92%)	241 (96%)	8 (3%)	3 (1%)	13	14
All	All	513/550 (93%)	498 (97%)	12 (2%)	3 (1%)	25	31

#### All (3) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	В	459	THR
1	В	458	LYS
1	В	460	GLU

#### 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	225/248 (91%)	222 (99%)	3 (1%)	69 82		
1	В	213/248 (86%)	205 (96%)	8 (4%)	33 47		
All	All	438/496 (88%)	427 (98%)	11 (2%)	53 65		

All (11) residues with a non-rotameric sidechain are listed below:



Mol	Chain	Res	Type
1	A	207	GLU
1	A	262	ILE
1	A	476	LEU
1	В	285[A]	CYS
1	В	285[B]	CYS
1	В	288[A]	ARG
1	В	288[B]	ARG
1	В	343	GLU
1	В	357	ARG
1	В	461	THR
1	В	466	HIS

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

Mol	Chain	Res	Type
1	A	205	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 monosaccharides in this entry.

## 5.6 Ligand geometry (i)

2 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 Chair		Chain Res	Res Link	В	Bond lengths			Bond angles		
		Type	Chain	nes	Lilik	Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2	
	2	3K2	A	501	-	42,45,45	3.27	14 (33%)	54,65,65	1.32	4 (7%)	
	2	3K2	В	501	-	42,45,45	3.15	13 (30%)	54,65,65	1.31	10 (18%)	

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	3K2	A	501	-	-	10/26/28/28	0/5/5/5
2	3K2	В	501	-	-	5/26/28/28	0/5/5/5

All (27) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	$\mathbf{Z}$	Observed(A)	Ideal(Å)
2	A	501	3K2	C24-C23	6.90	1.51	1.38
2	A	501	3K2	C31-C18	6.78	1.50	1.39
2	В	501	3K2	C31-C18	6.70	1.49	1.39
2	A	501	3K2	C35-C34	6.63	1.50	1.38
2	В	501	3K2	C24-C23	6.61	1.50	1.38
2	A	501	3K2	C09-C05	6.44	1.47	1.40
2	В	501	3K2	C35-C34	6.35	1.50	1.38
2	A	501	3K2	C20-C13	6.21	1.52	1.38
2	A	501	3K2	C14-N16	6.09	1.47	1.34
2	В	501	3K2	C30-C25	6.07	1.50	1.40
2	A	501	3K2	C30-C25	5.93	1.49	1.40
2	A	501	3K2	C32-C33	5.87	1.50	1.38
2	В	501	3K2	C09-C05	5.85	1.46	1.40
2	В	501	3K2	C20-C13	5.74	1.51	1.38
2	В	501	3K2	C28-C29	5.55	1.50	1.38
2	В	501	3K2	C27-C26	5.46	1.50	1.38
2	A	501	3K2	C28-C29	5.42	1.50	1.38
2	В	501	3K2	C32-C33	5.41	1.49	1.38
2	В	501	3K2	C14-N16	5.39	1.45	1.34
2	A	501	3K2	C27-C26	5.39	1.50	1.38
2	В	501	3K2	C21-C22	4.86	1.49	1.39
2	A	501	3K2	C21-C22	4.84	1.49	1.39
2	A	501	3K2	C25-C22	2.26	1.53	1.49
2	A	501	3K2	C03-C02	2.23	1.41	1.36
2	A	501	3K2	C08-C09	2.21	1.43	1.39
2	В	501	3K2	C08-C09	2.14	1.43	1.39

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Mol	Chain	Res	Type	Atoms	$\mathbf{Z}$	Observed(A)	$\operatorname{Ideal}( ext{\AA})$
2	В	501	3K2	C25-C22	2.05	1.53	1.49

All (14) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	$\mathbf{Z}$	$Observed(^o)$	$\mathrm{Ideal}(^{o})$
2	A	501	3K2	C13-C12-N07	-3.81	106.71	112.63
2	A	501	3K2	C32-C33-N36	3.37	121.91	119.38
2	В	501	3K2	C30-C25-C22	-3.22	118.34	123.08
2	A	501	3K2	C11-C08-N07	3.02	126.50	122.69
2	В	501	3K2	C11-C08-N07	2.78	126.19	122.69
2	В	501	3K2	C03-C02-C01	-2.54	117.92	120.79
2	В	501	3K2	C23-C22-C25	-2.49	116.88	120.91
2	A	501	3K2	C23-C22-C25	-2.22	117.31	120.91
2	В	501	3K2	O40-C39-O41	-2.21	118.44	123.35
2	В	501	3K2	O40-C39-C30	2.18	121.58	115.31
2	В	501	3K2	C26-C25-C30	2.10	120.41	118.03
2	В	501	3K2	C35-C18-C31	2.08	120.89	118.29
2	В	501	3K2	C02-C01-C06	2.05	121.67	119.23
2	В	501	3K2	C34-C35-C18	-2.04	119.14	121.20

There are no chirality outliers.

All (15) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	A	501	3K2	C32-C33-N36-O37
2	A	501	3K2	C34-C33-N36-O37
2	A	501	3K2	C02-C01-C14-N16
2	В	501	3K2	N07-C12-C13-C20
2	В	501	3K2	N07-C12-C13-C24
2	A	501	3K2	N07-C12-C13-C20
2	A	501	3K2	N07-C12-C13-C24
2	A	501	3K2	C02-C01-C14-O15
2	В	501	3K2	C29-C30-C39-O41
2	В	501	3K2	C29-C30-C39-O40
2	A	501	3K2	N16-C17-C18-C35
2	A	501	3K2	C29-C30-C39-O40
2	A	501	3K2	C29-C30-C39-O41
2	A	501	3K2	C06-C01-C14-N16
2	В	501	3K2	C34-C33-N36-O37

There are no ring outliers.

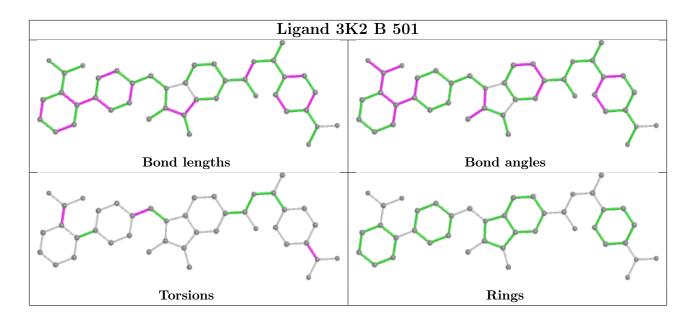


2 monomers are involved in 8 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	A	501	3K2	2	0
2	В	501	3K2	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.





# 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 $>$	$\#\mathrm{RSRZ}{>}2$	$OWAB(A^2)$	Q<0.9
1	A	262/275~(95%)	0.13	12 (4%) 32 39	53, 75, 111, 151	3 (1%)
1	В	254/275~(92%)	0.44	16 (6%) 20 25	52, 78, 132, 157	0
All	All	516/550 (93%)	0.28	28 (5%) 25 32	52, 76, 127, 157	3 (0%)

All (28) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ	
1	A	262	ILE	5.6	
1	A	261	LYS	5.1	
1	A	203	GLN	4.5	
1	В	461	THR	4.5	
1	В	256	MET	3.7	
1	В	255	LEU	3.6	
1	В	473	TYR	3.6	
1	В	235	ALA	3.5	
1	В	439	MET	3.5	
1	В	360	PHE	3.4	
1	A	207	GLU	2.8	
1	В	363	PHE	2.7	
1	A	204	LEU	2.7	
1	В	236	ILE	2.6	
1	В	211	LEU	2.6	
1	A	247	PHE	2.4	
1	В	209	ALA	2.4	
1	A	263	LYS	2.4	
1	В	423	LEU	2.3	
1	В	352	PHE	2.3	
1	A	259	GLU	2.3	
1	В	285[A]	CYS	2.2	
1	A	419	LEU	2.2	
1	A	465	LEU	2.2	

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Mol	Chain	Res	Type	RSRZ	
1	A	426	PRO	2.1	
1	В	459	THR	2.1	
1	A	359	PRO	2.1	
1	В	327	TYR	2.1	

## 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.

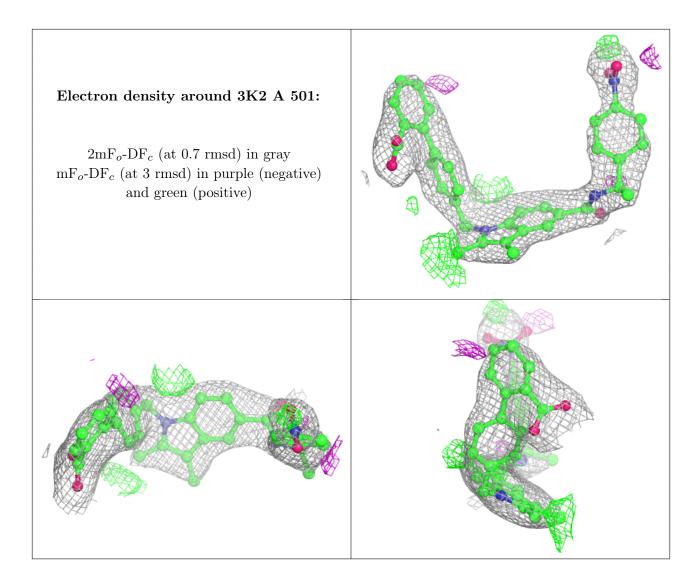
Mol	Type	Chain	Res	Atoms	RSCC	RSR	$\mathbf{B} ext{-}\mathbf{factors}(\mathbf{\mathring{A}}^2)$	Q < 0.9
2	3K2	В	501	41/41	0.77	0.32	81,123,168,189	0
2	3K2	A	501	41/41	0.93	0.21	70,92,117,132	0

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.



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# 6.5 Other polymers (i)

There are no such residues in this entry.

