

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

#### Apr 21, 2024 – 06:12 pm BST

PDB ID	:	6S1Y
Title	:	Crystal structure of Anopheles gambiae AnoACE2 in complex with gamma-
		Polyglutamic Acid.
Authors	:	Cozier, G.E.; Acharya, K.R.; Cashman, J.S.
Deposited on		
Resolution	:	2.20  Å(reported)

This is a wwPDB X-ray Structure Validation Summary 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:

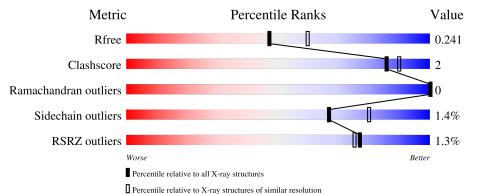
MolProbity	:	4.02b-467
Mogul	:	1.8.4, CSD as541be (2020)
Xtriage (Phenix)	:	1.13
EDS	:	2.36.2
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.36.2

# 1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:  $X\text{-}RAY \, DIFFRACTION$ 

The reported resolution of this entry is 2.20 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	$egin{array}{c} { m Whole \ archive} \ (\#{ m Entries}) \end{array}$	${f Similar\ resolution}\ (\#{ m Entries,\ resolution\ range}({ m \AA}))$				
$R_{free}$	130704	4898 (2.20-2.20)				
Clashscore	141614	5594 (2.20-2.20)				
Ramachandran outliers	138981	5503 (2.20-2.20)				
Sidechain outliers	138945	5504 (2.20-2.20)				
RSRZ outliers	127900	4800 (2.20-2.20)				

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	А	621	% 90%	6% •
2	В	3	100%	
3	С	2	50% 50%	



# 2 Entry composition (i)

There are 8 unique types of molecules in this entry. The entry contains 10037 atoms, of which 4831 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.

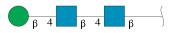
• Molecule 1 is a protein called Angiotensin-converting enzyme.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
1	А	595	Total 9605	C 3132	Н 4719	N 821	O 914	S 19	0	3	0

There are 9 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
А	639	LYS	-	expression tag	UNP A0NFU8
А	640	HIS	-	expression tag	UNP A0NFU8
А	641	HIS	-	expression tag	UNP A0NFU8
А	642	HIS	-	expression tag	UNP A0NFU8
А	643	HIS	-	expression tag	UNP A0NFU8
А	644	HIS	-	expression tag	UNP A0NFU8
А	645	HIS	-	expression tag	UNP A0NFU8
А	646	HIS	-	expression tag	UNP A0NFU8
А	647	HIS	-	expression tag	UNP A0NFU8

• Molecule 2 is an oligosaccharide called beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-b eta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose.



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	В	3	Total 76	C 22	Н 37	N 2	O 15	0	0	0

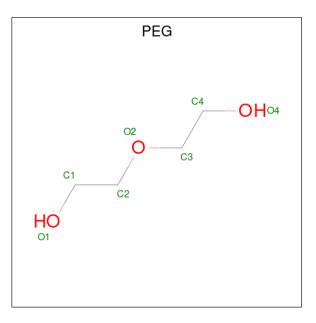
• Molecule 3 is an oligosaccharide called 2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-a cetamido-2-deoxy-beta-D-glucopyranose.





Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	С	2	Total 55	C 16	Н 27	N 2	O 10	0	0	0

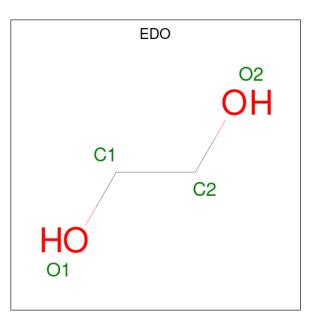
• Molecule 4 is DI(HYDROXYETHYL)ETHER (three-letter code: PEG) (formula:  $C_4H_{10}O_3$ ).



Mol	Chain	Residues	A	Ator	$\mathbf{ns}$		ZeroOcc	AltConf
4	А	1	Total 17	С 4	H 10	O 3	0	0

• Molecule 5 is 1,2-ETHANEDIOL (three-letter code: EDO) (formula:  $C_2H_6O_2$ ).





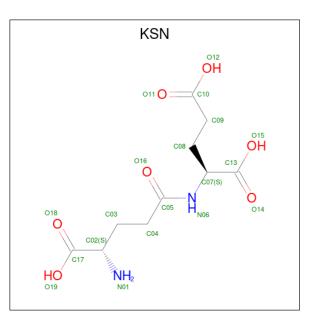
Mol	Chain	Residues	Aton	ns	ZeroOcc	AltConf
5	А	1	Total C 10 2		0	0
5	А	1	Total C 10 2	Н 6	0	0

• Molecule 6 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
6	А	1	Total Zn 1 1	0	0

• Molecule 7 is  $(2 \{S\})-2-[[(4 \{S\})-4-azanyl-5-oxidanyl-5-oxidanylidene-pentanoyl]amino]pent anedioic acid (three-letter code: KSN) (formula: C<sub>10</sub>H<sub>16</sub>N<sub>2</sub>O<sub>7</sub>).$ 





Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
7	А	1	Total 64	C 20	Н 26	N A	0 14	0	1

• Molecule 8 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
8	А	198	Total O 199 199	0	1



# 3 Residue-property plots (i)

• Molecule 1: Angiotensin-converting enzyme

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.

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• Molecule 2: beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose

Chain B: 100%

• Molecule 3: 2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose

Chain C: 50% 50%

NAG 1 NAG 2



# 4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 62 2 2	Depositor
Cell constants	160.97Å 160.97Å 121.89Å	Depositor
a, b, c, $\alpha$ , $\beta$ , $\gamma$	$90.00^{\circ}$ $90.00^{\circ}$ $120.00^{\circ}$	Depositor
Resolution (Å)	91.76 - 2.20	Depositor
Resolution (A)	139.41 - 2.20	EDS
% Data completeness	100.0 (91.76-2.20)	Depositor
(in resolution range)	$100.0\ (139.41-2.20)$	EDS
R <sub>merge</sub>	(Not available)	Depositor
$R_{sym}$	(Not available)	Depositor
$< I/\sigma(I) > 1$	$1.32 (at 2.20 \text{\AA})$	Xtriage
Refinement program	PHENIX (1.13_2998: ???)	Depositor
D D.	0.194 , $0.241$	Depositor
$R, R_{free}$	0.194 , $0.241$	DCC
$R_{free}$ test set	1931 reflections $(4.06\%)$	wwPDB-VP
Wilson B-factor $(Å^2)$	44.5	Xtriage
Anisotropy	0.257	Xtriage
Bulk solvent $k_{sol}(e/Å^3), B_{sol}(Å^2)$	0.36 , $37.5$	EDS
L-test for twinning <sup>2</sup>	$ \langle L  \rangle = 0.50, \langle L^2 \rangle = 0.34$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
$F_o, F_c$ correlation	0.94	EDS
Total number of atoms	10037	wwPDB-VP
Average B, all atoms $(Å^2)$	57.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: The largest off-origin peak in the Patterson function is 2.32% of the height of the origin peak. No significant pseudotranslation is detected.

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



<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: KSN, BMA, NAG, PEG, ZN, EDO

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	Bo	nd lengths	Bond angles		
	Chain	RMSZ	# Z  > 5	RMSZ	# Z  > 5	
1	А	0.45	1/5017~(0.0%)	0.56	0/6802	

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	А	483	CYS	CB-SG	5.24	1.91	1.82

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	А	4886	4719	4717	22	0
2	В	39	37	34	0	0
3	С	28	27	25	0	0
4	А	7	10	10	0	0
5	А	8	12	12	0	0
6	А	1	0	0	0	0
7	А	38	26	0	0	0
8	А	199	0	0	1	0
All	All	5206	4831	4798	22	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 2.

The worst 5 of 22 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:90:LYS:NZ	8:A:801:HOH:O	2.10	0.84
1:A:55:THR:HG21	1:A:88:VAL:HG21	1.65	0.79
1:A:243:LEU:H	1:A:243:LEU:HD12	1.55	0.71
1:A:90:LYS:HE3	1:A:122:ALA:O	1.99	0.61
1:A:507:ASP:N	1:A:508:PRO:CD	2.72	0.53

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	596/621~(96%)	585~(98%)	11 (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	А	518/538~(96%)	510 (98%)	8 (2%)	65 78	



Mol	Chain	$\mathbf{Res}$	Type
1	А	556	CYS
1	А	410	HIS
1	А	390	TYR
1	А	258	LYS
1	А	394	TYR

5 of 8 residues with a non-rotameric sidechain are listed below:

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)

5 monosaccharides 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	Mal Tura Cl		Res	Link	Bo	ond leng	ths	Bond angles		
	Type	Chain	nes		Counts	RMSZ	# Z >2	Counts	RMSZ	# Z  > 2
2	NAG	В	1	2,1	14,14,15	0.32	0	17,19,21	0.60	0
2	NAG	В	2	2	14,14,15	0.45	0	17,19,21	0.51	0
2	BMA	В	3	2	$11,\!11,\!12$	0.80	0	$15,\!15,\!17$	0.94	0
3	NAG	С	1	1,3	$14,\!14,\!15$	0.39	0	$17,\!19,\!21$	0.58	0
3	NAG	С	2	3	14,14,15	0.85	2 (14%)	17,19,21	0.49	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.



Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	NAG	В	1	2,1	-	0/6/23/26	0/1/1/1
2	NAG	В	2	2	-	0/6/23/26	0/1/1/1
2	BMA	В	3	2	-	2/2/19/22	0/1/1/1
3	NAG	С	1	1,3	-	0/6/23/26	0/1/1/1
3	NAG	С	2	3	-	2/6/23/26	0/1/1/1

'-' means no outliers of that kind were identified.

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	$\mathrm{Ideal}(\mathrm{\AA})$
3	С	2	NAG	C1-C2	2.15	1.55	1.52
3	С	2	NAG	O5-C1	2.10	1.47	1.43

There are no bond angle outliers.

There are no chirality outliers.

All (4) torsion outliers are listed below:

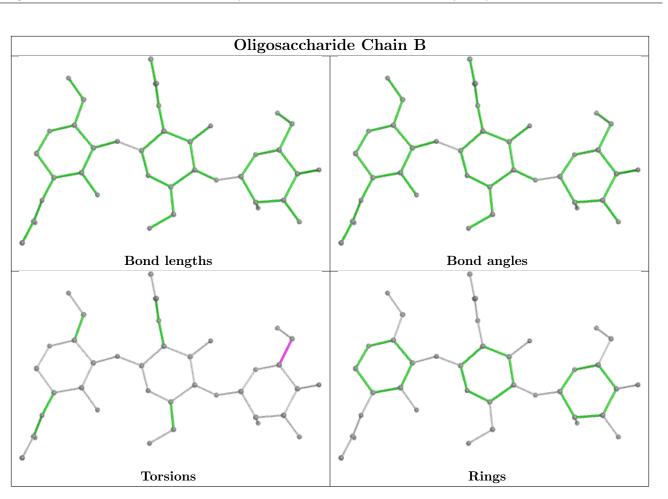
Mol	Chain	Res	Type	Atoms
2	В	3	BMA	O5-C5-C6-O6
3	С	2	NAG	O5-C5-C6-O6
2	В	3	BMA	C4-C5-C6-O6
3	С	2	NAG	C4-C5-C6-O6

There are no ring outliers.

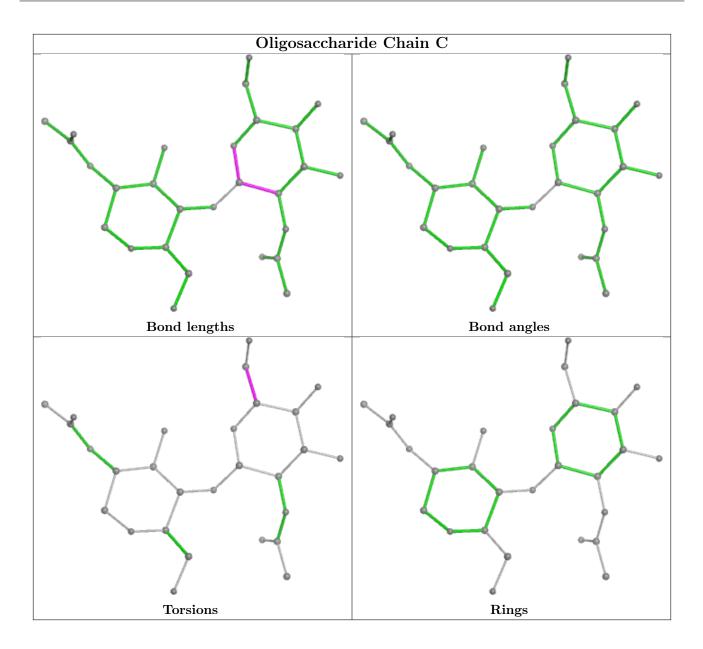
No monomer is involved in short contacts.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for oligosaccharide.









### 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 T	Type	Chain	Res	Link	Bond lengths			Bond angles		
		туре				Counts	RMSZ	# Z >2	Counts	RMSZ	# Z  > 2
	7	KSN	А	710[B]	6	17,18,18	1.69	2 (11%)	22,23,23	1.90	6 (27%)





Mol	Turne	Chain	Res	Link	Bo	Bond lengths			Bond angles		
	Type	Unam	nes	LIIIK	Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2	
5	EDO	А	708	-	$3,\!3,\!3$	0.62	0	2,2,2	0.24	0	
7	KSN	А	710[A]	6	$17,\!18,\!18$	1.94	2 (11%)	22,23,23	2.31	9 (40%)	
5	EDO	А	707	-	$3,\!3,\!3$	0.81	0	2,2,2	0.41	0	
4	PEG	А	706	-	$6,\!6,\!6$	0.52	0	5, 5, 5	0.37	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
7	KSN	А	710[B]	6	-	10/22/22/22	-
5	EDO	А	708	-	-	0/1/1/1	-
7	KSN	А	710[A]	6	-	5/22/22/22	-
5	EDO	А	707	-	-	0/1/1/1	-
4	PEG	А	706	-	-	2/4/4/4	-

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	$\operatorname{Observed}(\operatorname{\AA})$	$\mathrm{Ideal}(\mathrm{\AA})$
7	А	710[A]	KSN	C05-N06	6.29	1.47	1.34
7	А	710[B]	KSN	C05-N06	5.34	1.45	1.34
7	А	710[A]	KSN	C04-C05	2.19	1.55	1.51
7	А	710[B]	KSN	O16-C05	-2.06	1.19	1.23

The worst 5 of 15 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	$\mathbf{Observed}(^{o})$	$Ideal(^{o})$
7	А	710[A]	KSN	C13-C07-N06	-5.40	97.77	110.55
7	А	710[B]	KSN	C13-C07-N06	-4.57	99.74	110.55
7	А	710[A]	KSN	C04-C05-N06	3.96	122.70	115.83
7	А	710[B]	KSN	C03-C04-C05	-3.28	105.71	113.04
7	А	710[A]	KSN	O19-C17-C02	3.25	124.45	113.38

There are no chirality outliers.

 $5~{\rm of}~17$  torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
7	А	710[A]	KSN	C17-C02-C03-C04
7	А	710[A]	KSN	N01-C02-C03-C04

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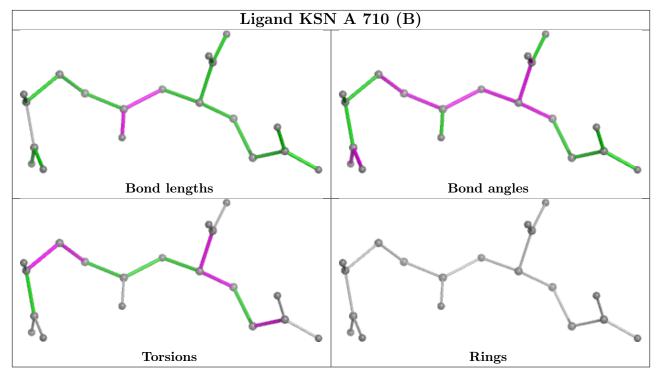
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Mol	Chain	$\operatorname{Res}$	Type	Atoms
7	А	710[B]	KSN	C17-C02-C03-C04
7	А	710[B]	KSN	N01-C02-C03-C04
7	А	710[B]	KSN	N06-C07-C08-C09

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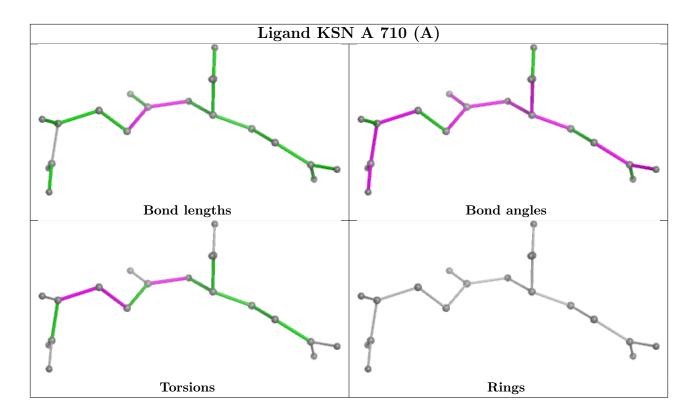
There are no ring outliers.

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 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	$\langle RSRZ \rangle$	#RSRZ>2	$OWAB(Å^2)$	Q<0.9
1	А	595/621~(95%)	-0.07	8 (1%) 77 75	32, 49, 78, 135	0

The worst 5 of 8 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	А	101	THR	3.8
1	А	100	LYS	3.2
1	А	113	ILE	3.1
1	А	38	GLU	3.0
1	А	479	ARG	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.

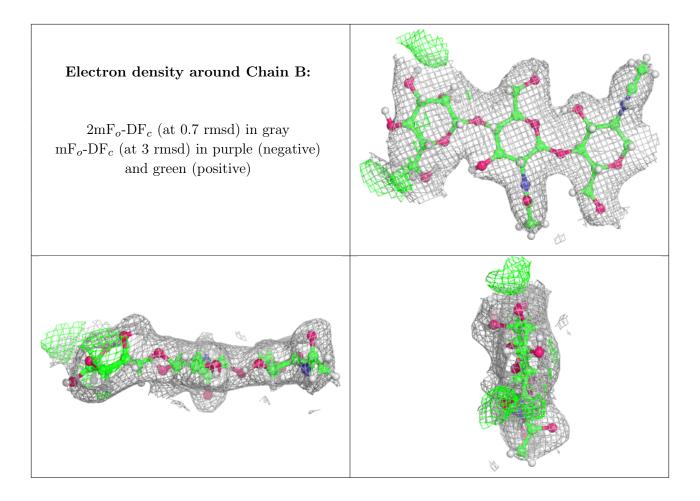
### 6.3 Carbohydrates (i)

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.

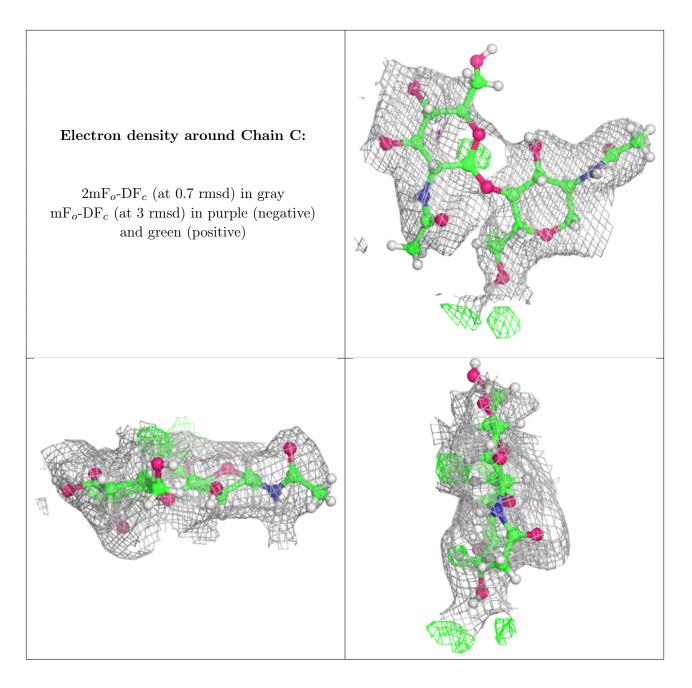
Mol	Type	Chain	Res	Atoms	RSCC	RSR	$\mathbf{B} ext{-factors}(\mathbf{A}^2)$	Q < 0.9
3	NAG	С	2	14/15	0.65	0.17	98,122,148,149	0
3	NAG	С	1	14/15	0.77	0.11	76,99,119,127	0
2	BMA	В	3	11/12	0.82	0.10	74,88,98,105	0
2	NAG	В	2	14/15	0.95	0.11	57,69,78,83	0
2	NAG	В	1	14/15	0.95	0.09	51,58,68,70	0

The following is a graphical depiction of the model fit to experimental electron density for oligosaccharide. Each fit is shown from different orientation to approximate a three-dimensional view.









### 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	$\mathbf{B} ext{-factors}(\mathrm{\AA}^2)$	Q < 0.9
5	EDO	А	708	4/4	0.40	0.24	62,75,78,80	0
4	PEG	А	706	7/7	0.73	0.18	51,65,79,79	17
5	EDO	А	707	4/4	0.88	0.19	39,47,48,48	10

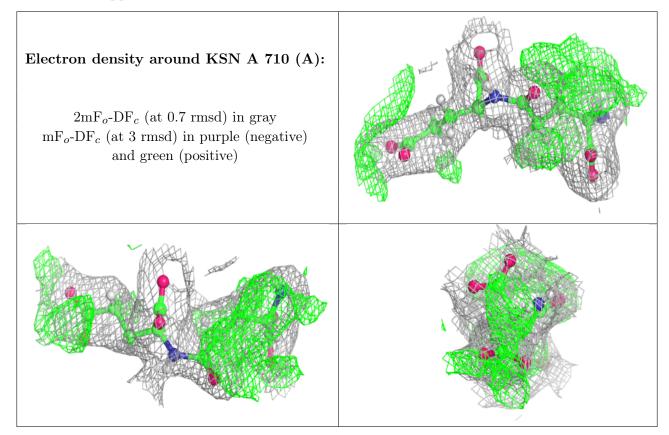
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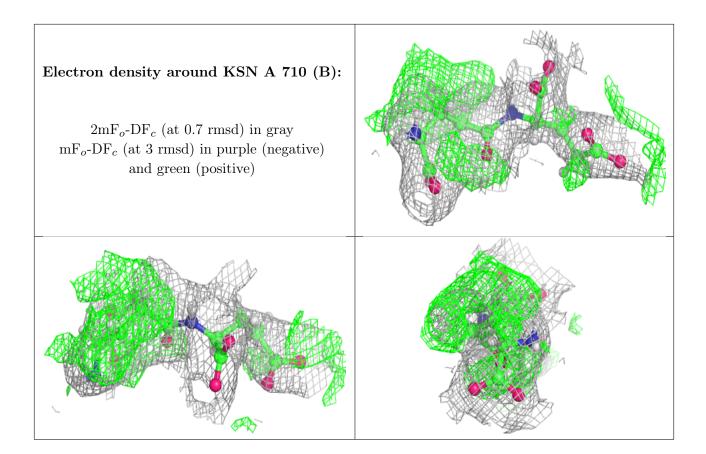
Mol	Type	Chain	Res	Atoms	RSCC	RSR	$B-factors(Å^2)$	Q<0.9
7	KSN	А	710[A]	19/19	0.93	0.14	44,50,59,60	32
7	KSN	А	710[B]	19/19	0.93	0.14	45,49,58,58	32
6	ZN	А	709	1/1	0.99	0.19	45,45,45,45	0

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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.

