1,6-ANHYDRO-BETA-D-GLUCOFURANOSE

Inchi: InChI=1S/C6H10O5/c7-2-1-10-6-4(9)3(8)5(2)11-6/h2-9H,1H2
InchiKey: GYNYBVOAJFHCRG-UHFFFAOYSA-N
Formula: C6H10O5
SMILES: OC1COC2OC1C(O)C2O
Mol. weight [g/mol]: 162.14

Physical Properties

Property code	Value	Unit	Source
hfus	34.80	kJ/mol	Joback Method
logp	-2.176		Crippen Method
mcvol	103.030	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	333.75	J/mol×K	675.13	Joback Method
cpg	380.58	J/mol×K	856.72	Joback Method
cpg	373.91	J/mol×K	826.45	Joback Method
cpg	366.82	J/mol×K	796.19	Joback Method
cpg	359.28	J/mol×K	765.92	Joback Method
cpg	351.27	J/mol×K	735.66	Joback Method
cpg	342.77	J/mol×K	705.39	Joback Method
dvisc	0.0002606	Pa×s	542.12	Joback Method
dvisc	0.0000403	Pa×s	675.13	Joback Method
dvisc	0.0000687	Pa×s	630.79	Joback Method
dvisc	0.0001273	Pa×s	586.45	Joback Method
dvisc	0.0056868	Pa×s	409.10	Joback Method
dvisc	0.0006065	Pa×s	497.78	Joback Method
dvisc	0.0016646	Pa×s	453.44	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7425743&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume