endo-5,6-Bis(hydroxymethyl)bicyclo[2.2.1]hept-2-

Inchi: InChI=1S/C9H14O2/c10-4-8-6-1-2-7(3-6)9(8)5-11/h1-2,6-11H,3-5H2
InchiKey: IGHHPVIMEQGKNE-UHFFFAOYSA-N
Formula: C9H14O2
SMILES: OCC1C2C=CC(C2)C1CO
Mol. weight [g/mol]: 154.21
CAS: 699-97-8

Physical Properties

Property code	Value	Unit	Source
gf	-124.80	kJ/mol	Joback Method
hf	-377.01	kJ/mol	Joback Method
hfus	24.78	kJ/mol	Joback Method
hvap	68.66	kJ/mol	Joback Method
log10ws	-0.79		Crippen Method
logp	0.409		Crippen Method
mcvol	123.390	ml/mol	McGowan Method
pc	3704.46	kPa	Joback Method
tb	597.25	K	Joback Method
tc	777.84	K	Joback Method
tf	337.47	K	Joback Method
tt	353.00 ± 1.50	K	NIST Webbook
vc	0.468	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	347.39	J/mol×K	597.25	Joback Method
cpg	359.28	J/mol×K	627.35	Joback Method
cpg	370.51	J/mol×K	657.45	Joback Method
cpg	381.13	J/mol×K	687.54	Joback Method
cpg	391.17	J/mol×K	717.64	Joback Method
cpg	400.67	J/mol×K	747.74	Joback Method
cpg	409.67	J/mol×K	777.84	Joback Method
dvisc	0.0119374	Pa×s	337.47	Joback Method

dvisc	0.0040781	Pa×s	380.77	Joback Method
dvisc	0.0017348	Pa×s	424.06	Joback Method
dvisc	0.0008646	Pa×s	467.36	Joback Method
dvisc	0.0004849	Pa×s	510.66	Joback Method
dvisc	0.0002977	Pa×s	553.95	Joback Method
dvisc	0.0001962	Pa×s	597.25	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C699978&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume