EXO-CIS-NORBORN-5-ENE-2,3-DIOL

Other names: exo-cis-Norborn-5-ene-2,3-diol
Inchi: InChI=1S/C7H10O2/c8-6-4-1-2-5(3-4)7(6)9/h1-2,4-9H,3H2
InchiKey: TZLWRLOYRRZECT-UHFFFAOYSA-N
Formula: C7H10O2
SMILES: OC1C2C=CC(C2)C1O
Mol. weight [g/mol]: 126.15

Physical Properties

Property code	Value	Unit	Source
hf	-227.03	kJ/mol	Cheméo Relay (1.0)
hfus	19.60	kJ/mol	Joback Method
hvap	84.62	kJ/mol	Cheméo Relay (1.0)
ie	9.06	eV	Cheméo Relay (1.0)
logp	-0.086		Crippen Method
mcvol	95.210	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	254.12	J/mol×K	551.49	Joback Method
cpg	264.57	J/mol×K	582.18	Joback Method
cpg	274.40	J/mol×K	612.87	Joback Method
cpg	283.67	J/mol×K	643.57	Joback Method
cpg	292.39	J/mol×K	674.26	Joback Method
cpg	300.61	J/mol×K	704.95	Joback Method
cpg	308.36	J/mol×K	735.64	Joback Method
dvisc	0.0157201	Pa×s	314.93	Joback Method
dvisc	0.0054483	Pa×s	354.36	Joback Method
dvisc	0.0023347	Pa×s	393.78	Joback Method
dvisc	0.0011673	Pa×s	433.21	Joback Method
dvisc	0.0006552	Pa×s	472.64	Joback Method
dvisc	0.0004019	Pa×s	512.06	Joback Method
dvisc	0.0002644	Pa×s	551.49	Joback Method

Sources

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
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=C20224388&Units=SI

Legend

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