

6-exo-Vinyl-5-endo-norbornenol

Inchi:	InChI=1S/C9H12O/c1-2-8-6-3-4-7(5-6)9(8)10/h2-4,6-10H,1,5H2/t6?,7?,8-,9-/m0/s1
InchiKey:	NTIDMOBOUNQJEP-PEBLOWIWSA-N
Formula:	C9H12O
SMILES:	C=CC1C2C=CC(C2)C1O
Mol. weight [g/mol]:	136.19
CAS:	104013-08-3

Physical Properties

Property code	Value	Unit	Source
gf	99.86	kJ/mol	Joback Method
hf	-99.35	kJ/mol	Joback Method
hfus	19.41	kJ/mol	Joback Method
hvap	51.31	kJ/mol	Joback Method
log10ws	-1.74		Crippen Method
logp	1.355		Crippen Method
mcvol	113.220	ml/mol	McGowan Method
pc	3488.88	kPa	Joback Method
tb	501.75	K	Joback Method
tc	695.59	K	Joback Method
tf	274.89	K	Joback Method
vc	0.429	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	272.39	J/molxK	501.75	Joback Method
cpg	286.32	J/molxK	534.06	Joback Method
cpg	299.40	J/molxK	566.36	Joback Method
cpg	311.68	J/molxK	598.67	Joback Method
cpg	323.21	J/molxK	630.98	Joback Method
cpg	334.03	J/molxK	663.29	Joback Method
cpg	344.21	J/molxK	695.59	Joback Method
dvisc	0.0054043	Paxs	274.89	Joback Method
dvisc	0.0029157	Paxs	312.70	Joback Method

dvisc	0.0017971	Paxs	350.51	Joback Method
dvisc	0.0012171	Paxs	388.32	Joback Method
dvisc	0.0008833	Paxs	426.13	Joback Method
dvisc	0.0006755	Paxs	463.94	Joback Method
dvisc	0.0005378	Paxs	501.75	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C104013083&Units=SI

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
vc:	Critical Volume

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