2-Norbornanol, 5-methyl-6-methylene, acetate

Inchi: InChI=1S/C11H16O2/c1-6-7(2)10-4-9(6)5-11(10)13-8(3)12/h6,9-11H,2,4-5H2,1,3H3
InchiKey: OWLBHTFZSISYRA-UHFFFAOYSA-N
Formula: C11H16O2
SMILES: C=C1C(C)C2CC(OC(C)=O)C1C2
Mol. weight [g/mol]: 180.24

Physical Properties

Property code	Value	Unit	Source
gf	-45.12	kJ/mol	Joback Method
hf	-332.17	kJ/mol	Joback Method
hfus	22.19	kJ/mol	Joback Method
hvap	48.78	kJ/mol	Joback Method
log10ws	-2.32		Crippen Method
logp	2.150		Crippen Method
mcvol	147.270	ml/mol	McGowan Method
pc	2525.19	kPa	Joback Method
rinpol	1227.00		NIST Webbook
rinpol	1227.00		NIST Webbook
tb	534.94	K	Joback Method
tc	739.15	K	Joback Method
tf	323.45	K	Joback Method
vc	0.564	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	371.07	J/mol×K	534.94	Joback Method
cpg	448.06	J/mol×K	705.12	Joback Method
cpg	434.37	J/mol×K	671.08	Joback Method
cpg	419.87	J/mol×K	637.05	Joback Method
cpg	404.50	J/mol×K	603.01	Joback Method
cpg	388.25	J/mol×K	568.98	Joback Method
cpg	460.95	J/mol×K	739.15	Joback Method
dvisc	0.0009718	Pa×s	534.94	Joback Method

dvisc	0.0010041	Pa×s	499.69	Joback Method
dvisc	0.0010427	Pa×s	464.44	Joback Method
dvisc	0.0010896	Pa×s	429.20	Joback Method
dvisc	0.0011475	Pa×s	393.95	Joback Method
dvisc	0.0012208	Pa×s	358.70	Joback Method
dvisc	0.0013165	Pa×s	323.45	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R129805&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume