

endo-2-norborneol acetate

Inchi:	InChI=1S/C9H14O2/c1-6(10)11-9-5-7-2-3-8(9)4-7/h7-9H,2-5H2,1H3/t??,8?,9-/m1/s1
InchiKey:	YXNICIBZSREEPY-AMDVSUOASA-N
Formula:	C9H14O2
SMILES:	CC(=O)OC1CC2CCC1C2
Mol. weight [g/mol]:	154.21

Physical Properties

Property code	Value	Unit	Source
gf	-107.33	kJ/mol	Joback Method
hf	-354.79	kJ/mol	Joback Method
hfus	17.09	kJ/mol	Joback Method
hvap	44.47	kJ/mol	Joback Method
log10ws	-1.87		Crippen Method
logp	1.738		Crippen Method
mcvol	123.390	ml/mol	McGowan Method
pc	3142.03	kPa	Joback Method
rinpol	1125.00		NIST Webbook
rinpol	1125.00		NIST Webbook
rinpol	1111.00		NIST Webbook
tb	494.69	K	Joback Method
tc	703.45	K	Joback Method
tf	291.47	K	Joback Method
vc	0.469	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	294.85	J/mol×K	494.69	Joback Method
cpg	311.49	J/mol×K	529.48	Joback Method
cpg	327.15	J/mol×K	564.28	Joback Method
cpg	341.89	J/mol×K	599.07	Joback Method
cpg	355.75	J/mol×K	633.86	Joback Method
cpg	368.76	J/mol×K	668.65	Joback Method
cpg	380.99	J/mol×K	703.45	Joback Method

dvisc	0.0015354	Pa×s	291.47	Joback Method
dvisc	0.0013027	Pa×s	325.34	Joback Method
dvisc	0.0011401	Pa×s	359.21	Joback Method
dvisc	0.0010209	Pa×s	393.08	Joback Method
dvisc	0.0009304	Pa×s	426.95	Joback Method
dvisc	0.0008595	Pa×s	460.82	Joback Method
dvisc	0.0008027	Pa×s	494.69	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R239031&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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

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