

2-Norbornen-7-ol, acetate, anti-

Inchi:	InChI=1S/C9H12O2/c1-6(10)11-9-7-2-3-8(9)5-4-7/h2-3,7-9H,4-5H2,1H3
InchiKey:	AWPLNKVBPBFYBU-UHFFFAOYSA-N
Formula:	C9H12O2
SMILES:	CC(=O)OC1C2C=CC1CC2
Mol. weight [g/mol]:	152.19
CAS:	13426-55-6

Physical Properties

Property code	Value	Unit	Source
gf	-77.37	kJ/mol	Joback Method
hf	-297.01	kJ/mol	Joback Method
hfus	18.32	kJ/mol	Joback Method
hvap	44.77	kJ/mol	Joback Method
log10ws	-1.72		Crippen Method
logp	1.514		Crippen Method
mcvol	119.090	ml/mol	McGowan Method
pc	3272.78	kPa	Joback Method
tb	493.85	K	Joback Method
tc	704.70	K	Joback Method
tf	292.23	K	Joback Method
vc	0.455	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	278.17	J/mol×K	493.85	Joback Method
cpg	293.60	J/mol×K	528.99	Joback Method
cpg	308.08	J/mol×K	564.13	Joback Method
cpg	321.67	J/mol×K	599.27	Joback Method
cpg	334.41	J/mol×K	634.41	Joback Method
cpg	346.34	J/mol×K	669.56	Joback Method
cpg	357.51	J/mol×K	704.70	Joback Method
dvisc	0.0013177	Pa×s	292.23	Joback Method
dvisc	0.0011587	Pa×s	325.83	Joback Method

dvisc	0.0010436	Pa×s	359.44	Joback Method
dvisc	0.0009570	Pa×s	393.04	Joback Method
dvisc	0.0008896	Pa×s	426.64	Joback Method
dvisc	0.0008358	Pa×s	460.25	Joback Method
dvisc	0.0007920	Pa×s	493.85	Joback Method

Sources

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=C13426556&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

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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