Cyclohexanemethanol, 4-methylene-, acetate

Inchi: InChI=1S/C10H16O2/c1-8-3-5-10(6-4-8)7-12-9(2)11/h10H,1,3-7H2,2H3
InchiKey: QXUSQTLOSMIRAR-UHFFFAOYSA-N
Formula: C10H16O2
SMILES: C=C1CCC(COC(C)=O)CC1
Mol. weight [g/mol]: 168.23
CAS: 33904-17-5

Physical Properties

Property code	Value	Unit	Source
gf	-123.07	kJ/mol	Joback Method
hf	-355.97	kJ/mol	Joback Method
hfus	15.12	kJ/mol	Joback Method
hvap	47.60	kJ/mol	Joback Method
log10ws	-2.38		Crippen Method
logp	2.296		Crippen Method
mcvol	144.040	ml/mol	McGowan Method
pc	2746.90	kPa	Joback Method
tb	523.20	K	Joback Method
tc	730.34	K	Joback Method
tf	295.68	K	Joback Method
vc	0.536	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	336.80	J/mol×K	523.20	Joback Method
cpg	411.46	J/mol×K	695.81	Joback Method
cpg	398.12	J/mol×K	661.29	Joback Method
cpg	383.98	J/mol×K	626.77	Joback Method
cpg	369.06	J/mol×K	592.25	Joback Method
cpg	353.33	J/mol×K	557.72	Joback Method
cpg	424.02	J/mol×K	730.34	Joback Method
dvisc	0.0002598	Pa×s	523.20	Joback Method
dvisc	0.0003296	Pa×s	485.28	Joback Method

dvisc	0.0004352	Pa×s	447.36	Joback Method
dvisc	0.0006052	Pa×s	409.44	Joback Method
dvisc	0.0009000	Pa×s	371.52	Joback Method
dvisc	0.0014649	Pa×s	333.60	Joback Method
dvisc	0.0027017	Pa×s	295.68	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=C33904175&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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