

# Cyclohexanemethanol, 4-methylene-, acetate

<b>Inchi:</b>	InChI=1S/C10H16O2/c1-8-3-5-10(6-4-8)7-12-9(2)11/h10H,1,3-7H2,2H3
<b>InchiKey:</b>	QXUSQTLOSMIRAR-UHFFFAOYSA-N
<b>Formula:</b>	C10H16O2
<b>SMILES:</b>	C=C1CCC(COC(C)=O)CC1
<b>Mol. weight [g/mol]:</b>	168.23
<b>CAS:</b>	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/molxK	523.20	Joback Method
cpg	353.33	J/molxK	557.72	Joback Method
cpg	369.06	J/molxK	592.25	Joback Method
cpg	383.98	J/molxK	626.77	Joback Method
cpg	398.12	J/molxK	661.29	Joback Method
cpg	411.46	J/molxK	695.81	Joback Method
cpg	424.02	J/molxK	730.34	Joback Method
dvisc	0.0027017	Paxs	295.68	Joback Method
dvisc	0.0014649	Paxs	333.60	Joback Method

dvisc	0.0009000	Paxs	371.52	Joback Method
dvisc	0.0006052	Paxs	409.44	Joback Method
dvisc	0.0004352	Paxs	447.36	Joback Method
dvisc	0.0003296	Paxs	485.28	Joback Method
dvisc	0.0002598	Paxs	523.20	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C33904175&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C33904175&amp;Units=SI</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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