

# 1-Methoxy-5-methyl-3-methylenecyclohexene

<b>Inchi:</b>	InChI=1S/C9H14O/c1-7-4-8(2)6-9(5-7)10-3/h5,8H,1,4,6H2,2-3H3
<b>InchiKey:</b>	UCGJGGYPYPCYCO-UHFFFAOYSA-N
<b>Formula:</b>	C9H14O
<b>SMILES:</b>	C=C1C=C(OC)CC(C)C1
<b>Mol. weight [g/mol]:</b>	138.21
<b>CAS:</b>	69697-81-0

## Physical Properties

Property code	Value	Unit	Source
gf	17.76	kJ/mol	Joback Method
hf	-176.44	kJ/mol	Joback Method
hfus	11.76	kJ/mol	Joback Method
hvap	39.58	kJ/mol	Joback Method
log10ws	-2.53		Crippen Method
logp	2.503		Crippen Method
mcvol	124.080	ml/mol	McGowan Method
pc	2909.25	kPa	Joback Method
tb	450.59	K	Joback Method
tc	653.77	K	Joback Method
tf	247.76	K	Joback Method
vc	0.461	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	254.06	J/molxK	450.59	Joback Method
cpg	268.92	J/molxK	484.45	Joback Method
cpg	283.18	J/molxK	518.32	Joback Method
cpg	296.84	J/molxK	552.18	Joback Method
cpg	309.89	J/molxK	586.05	Joback Method
cpg	322.35	J/molxK	619.91	Joback Method
cpg	334.20	J/molxK	653.77	Joback Method
dvisc	0.0016614	Paxs	247.76	Joback Method
dvisc	0.0009727	Paxs	281.56	Joback Method

dvisc	0.0006387	Paxs	315.37	Joback Method
dvisc	0.0004550	Paxs	349.17	Joback Method
dvisc	0.0003441	Paxs	382.98	Joback Method
dvisc	0.0002723	Paxs	416.78	Joback Method
dvisc	0.0002232	Paxs	450.59	Joback Method

## Sources

<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=C69697810&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C69697810&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.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>

## 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>mccvol:</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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