

# 3-methyl-6-(1-methylvinyl)cyclohex-2-en-1-ol

<b>Other names:</b>	3-Methyl-6-(prop-1-en-2-yl)cyclohex-2-enol
<b>Inchi:</b>	InChI=1S/C10H16O/c1-7(2)9-5-4-8(3)6-10(9)11/h6,9-11H,1,4-5H2,2-3H3
<b>InchiKey:</b>	OLAKPNFIICOONC-UHFFFAOYSA-N
<b>Formula:</b>	C10H16O
<b>SMILES:</b>	C=C(C)C1CCC(C)=CC1O
<b>Mol. weight [g/mol]:</b>	152.23
<b>CAS:</b>	491-05-4

## Physical Properties

Property code	Value	Unit	Source
gf	12.86	kJ/mol	Joback Method
hf	-206.03	kJ/mol	Joback Method
hfus	16.89	kJ/mol	Joback Method
hvap	55.02	kJ/mol	Joback Method
log10ws	-2.74		Crippen Method
logp	2.280		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	2934.52	kPa	Joback Method
rinpol	1210.20		NIST Webbook
tb	535.96	K	Joback Method
tc	731.65	K	Joback Method
tf	263.98	K	Joback Method
vc	0.514	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	331.99	J/mol×K	535.96	Joback Method
cpg	347.03	J/mol×K	568.58	Joback Method
cpg	361.30	J/mol×K	601.19	Joback Method
cpg	374.84	J/mol×K	633.81	Joback Method
cpg	387.67	J/mol×K	666.42	Joback Method
cpg	399.80	J/mol×K	699.04	Joback Method
cpg	411.26	J/mol×K	731.65	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=C491054&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C491054&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.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>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<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>h vap:</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>r in pol:</b>	Non-polar retention indices
<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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