

# Cyclohexanemethanol, 4-ethenyl-«alpha»,«alpha»,4-trimethyl-3-(1-methyl [1R-(1«alpha»,3«alpha»,4«beta»)]-

Other names: o-Menth-8-ene-4-methanol, «alpha», «alpha»,dimethyl-1-vinyl-, (1S,2S,4R)-(-)-Elemol

(1S,2S,4R)-(-)-«alpha»,«alpha»-dimethyl-1-vinyl-o-menth-8-ene-4-methanol

**Inchi:** InChI=1S/C15H26O/c1-7-15(6)9-8-12(14(4,5)16)10-13(15)11(2)3/h7,12-13,16H,1-2,8-10

**InchiKey:** GFJIQNADMLPFOW-UHFFFAOYSA-N

**Formula:** C15H26O

**SMILES:** C=CC1(C)CCC(C(C)(C)O)CC1C(=C)C

**Mol. weight [g/mol]:** 222.37

**CAS:** 639-99-6

## Physical Properties

Property code	Value	Unit	Source
gf	112.11	kJ/mol	Joback Method
hf	-243.96	kJ/mol	Joback Method
h <sub>fus</sub>	15.09	kJ/mol	Joback Method
h <sub>vap</sub>	61.77	kJ/mol	Joback Method
log <sub>10</sub> ws	-4.35		Crippen Method
logp	3.942		Crippen Method
m <sub>cvol</sub>	208.620	ml/mol	McGowan Method
pc	1933.83	kPa	Joback Method
rinpol	1549.00		NIST Webbook
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ripol	2087.00		NIST Webbook
tb	635.24	K	Joback Method
tc	836.45	K	Joback Method
tf	327.37	K	Joback Method
vc	0.775	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	587.75	J/mol×K	635.24	Joback Method
cpg	607.17	J/mol×K	668.78	Joback Method
cpg	625.55	J/mol×K	702.31	Joback Method
cpg	642.99	J/mol×K	735.85	Joback Method
cpg	659.62	J/mol×K	769.38	Joback Method
cpg	675.56	J/mol×K	802.92	Joback Method
cpg	690.93	J/mol×K	836.45	Joback Method

## Sources

**Joback Method:**

[https://en.wikipedia.org/wiki/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=C639996&Units=SI>

**Crippen Method:**

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

**Crippen Method:**

[https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## 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>hvac:</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>rinpol:</b>	Non-polar retention indices
<b>ripol:</b>	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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