

# 3,4-dihydro-«gamma»-ionol

<b>Inchi:</b>	InChI=1S/C13H24O/c1-10-6-5-9-13(3,4)12(10)8-7-11(2)14/h7-8,10-12,14H,5-6,9H2,1-4H
<b>InchiKey:</b>	CGAOLUOEOTNNY-BQYQJAHWSA-N
<b>Formula:</b>	C13H24O
<b>SMILES:</b>	CC(O)C=CC1C(C)CCCC1(C)C
<b>Mol. weight [g/mol]:</b>	196.33

## Physical Properties

Property code	Value	Unit	Source
gf	3.08	kJ/mol	Joback Method
hf	-323.06	kJ/mol	Joback Method
hfus	17.87	kJ/mol	Joback Method
hvap	59.44	kJ/mol	Joback Method
log10ws	-3.66		Crippen Method
logp	3.386		Crippen Method
mcvol	184.740	ml/mol	McGowan Method
pc	2204.15	kPa	Joback Method
rinpol	1371.00		NIST Webbook
rinpol	1371.00		NIST Webbook
tb	603.19	K	Joback Method
tc	800.30	K	Joback Method
tf	299.81	K	Joback Method
vc	0.685	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	502.71	J/mol×K	603.19	Joback Method
cpg	521.25	J/mol×K	636.04	Joback Method
cpg	538.83	J/mol×K	668.89	Joback Method
cpg	555.56	J/mol×K	701.75	Joback Method
cpg	571.52	J/mol×K	734.60	Joback Method
cpg	586.82	J/mol×K	767.45	Joback Method
cpg	601.55	J/mol×K	800.30	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=R279440&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R279440&amp;Units=SI</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>hvp:</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>rinp:</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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