

# 1,6-trans-Lippifolian-1 «alpha»-ol-5-one

<b>Inchi:</b>	InChI=1S/C15H24O2/c1-9-5-6-15(17)12(11(9)16)13(2,3)7-10-8-14(10,15)4/h9-10,12,17H
<b>InchiKey:</b>	ARIMXCACVHKASK-GUWLUGEHSA-N
<b>Formula:</b>	C15H24O2
<b>SMILES:</b>	CC1CCC2(O)C(C1=O)C(C)(C)CC1CC12C
<b>Mol. weight [g/mol]:</b>	236.35

## Physical Properties

Property code	Value	Unit	Source
gf	-65.54	kJ/mol	Joback Method
hf	-452.08	kJ/mol	Joback Method
hfus	12.73	kJ/mol	Joback Method
hvap	65.61	kJ/mol	Joback Method
log10ws	-3.23		Crippen Method
logp	2.789		Crippen Method
mcvol	197.070	ml/mol	McGowan Method
pc	2367.97	kPa	Joback Method
rinsol	1660.00		NIST Webbook
tb	718.07	K	Joback Method
tc	942.52	K	Joback Method
tf	493.61	K	Joback Method
vc	0.748	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	632.75	J/mol×K	718.07	Joback Method
cpg	652.81	J/mol×K	755.48	Joback Method
cpg	672.70	J/mol×K	792.89	Joback Method
cpg	692.78	J/mol×K	830.29	Joback Method
cpg	713.39	J/mol×K	867.70	Joback Method
cpg	734.88	J/mol×K	905.11	Joback Method
cpg	757.61	J/mol×K	942.52	Joback Method

# Sources

<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>
<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=R421171&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R421171&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>

# 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>mccol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</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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