

# 15-nor-Labdan-8-ol

<b>Inchi:</b>	InChI=1S/C19H34O/c1-14(2)8-9-16-18(5)12-7-11-17(3,4)15(18)10-13-19(16,6)20/h15-16
<b>InchiKey:</b>	CGEGZBVTMKRZJY-DPCKTDSQSA-N
<b>Formula:</b>	C19H34O
<b>SMILES:</b>	<chem>C=C(C)CCC1C(C)(O)CCC2C(C)(C)CCCC21C</chem>
<b>Mol. weight [g/mol]:</b>	278.47

## Physical Properties

Property code	Value	Unit	Source
gf	85.07	kJ/mol	Joback Method
hf	-366.42	kJ/mol	Joback Method
hfus	18.65	kJ/mol	Joback Method
hvap	70.11	kJ/mol	Joback Method
log10ws	-5.83		Crippen Method
logp	5.336		Crippen Method
mcvol	258.420	ml/mol	McGowan Method
pc	1591.08	kPa	Joback Method
rinpol	1952.00		NIST Webbook
rinpol	1952.00		NIST Webbook
ripol	2448.00		NIST Webbook
ripol	2448.00		NIST Webbook
tb	740.13	K	Joback Method
tc	948.07	K	Joback Method
tf	429.77	K	Joback Method
vc	0.974	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	820.11	J/molxK	740.13	Joback Method
cpg	843.09	J/molxK	774.79	Joback Method
cpg	865.78	J/molxK	809.44	Joback Method
cpg	888.46	J/molxK	844.10	Joback Method
cpg	911.42	J/molxK	878.76	Joback Method
cpg	934.94	J/molxK	913.42	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.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=R228749&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R228749&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>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>mcvol:</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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