

# 13(16),14-Labdien-8-ol

<b>Inchi:</b>	InChI=1S/C20H34O/c1-7-14(2)9-10-16-15(3)17(21)13-18-19(4,5)11-8-12-20(16,18)6/h7,
<b>InchiKey:</b>	QOHASKVMQCQLLB-WIVQHQACSA-N
<b>Formula:</b>	C20H34O
<b>SMILES:</b>	C=CC(=C)CCC1C(C)C(O)CC2C(C)(C)CCCC12C
<b>Mol. weight [g/mol]:</b>	290.48

## Physical Properties

Property code	Value	Unit	Source
gf	179.11	kJ/mol	Joback Method
hf	-297.21	kJ/mol	Joback Method
hfus	27.33	kJ/mol	Joback Method
hvap	72.51	kJ/mol	Joback Method
log10ws	-5.86		Crippen Method
logp	5.358		Crippen Method
mcvol	268.210	ml/mol	McGowan Method
pc	1435.89	kPa	Joback Method
rinpola	2120.00		NIST Webbook
rinpola	2120.00		NIST Webbook
rinpola	2101.00		NIST Webbook
rinpola	2107.00		NIST Webbook
tb	754.78	K	Joback Method
tc	957.87	K	Joback Method
tf	411.14	K	Joback Method
vc	1.012	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	861.46	J/molxK	754.78	Joback Method
cpg	884.23	J/molxK	788.63	Joback Method
cpg	906.40	J/molxK	822.48	Joback Method
cpg	928.15	J/molxK	856.33	Joback Method
cpg	949.69	J/molxK	890.18	Joback Method
cpg	971.21	J/molxK	924.02	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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=R196444&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R196444&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>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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