

# labd-7,13-dien-15-ol

<b>Inchi:</b>	InChI=1S/C20H34O/c1-15(11-14-21)7-9-17-16(2)8-10-18-19(3,4)12-6-13-20(17,18)5/h8,
<b>InchiKey:</b>	KPOGKOXAZMFZNM-RRHIHBEP-SA-N
<b>Formula:</b>	C20H34O
<b>SMILES:</b>	CC(=CCO)CCC1C(C)=CCC2C(C)(C)CCCC12C
<b>Mol. weight [g/mol]:</b>	290.48

## Physical Properties

Property code	Value	Unit	Source
gf	119.40	kJ/mol	Joback Method
hf	-343.86	kJ/mol	Joback Method
hfus	28.79	kJ/mol	Joback Method
hvap	75.38	kJ/mol	Joback Method
log10ws	-5.99		Crippen Method
logp	5.504		Crippen Method
mcvol	268.210	ml/mol	McGowan Method
pc	1497.67	kPa	Joback Method
rinsol	2280.00		NIST Webbook
tb	779.06	K	Joback Method
tc	985.17	K	Joback Method
tf	431.34	K	Joback Method
vc	1.018	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	858.87	J/mol×K	779.06	Joback Method
cpg	880.81	J/mol×K	813.41	Joback Method
cpg	902.39	J/mol×K	847.76	Joback Method
cpg	923.82	J/mol×K	882.11	Joback Method
cpg	945.31	J/mol×K	916.47	Joback Method
cpg	967.09	J/mol×K	950.82	Joback Method
cpg	989.37	J/mol×K	985.17	Joback Method

# Sources

<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=R286978&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R286978&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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>rinpola:</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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