

# Labd-7-en-15-ol

<b>Inchi:</b>	InChI=1S/C20H36O/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>	KOHDKFKIPUPNMU-ZPQVWODMSA-N
<b>Formula:</b>	C20H36O
<b>SMILES:</b>	CC1=CCC2C(C)(C)CCCC2(C)C1CCC(C)CCO
<b>Mol. weight [g/mol]:</b>	292.50

## Physical Properties

Property code	Value	Unit	Source
gf	45.29	kJ/mol	Joback Method
hf	-456.57	kJ/mol	Joback Method
hfus	26.37	kJ/mol	Joback Method
hvap	74.95	kJ/mol	Joback Method
log10ws	-5.89		Crippen Method
logp	5.584		Crippen Method
mvol	272.510	ml/mol	McGowan Method
pc	1442.44	kPa	Joback Method
rinpol	2190.00		NIST Webbook
rinpol	2190.00		NIST Webbook
tb	774.58	K	Joback Method
tc	975.39	K	Joback Method
tf	435.38	K	Joback Method
vc	1.030	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	883.96	J/molxK	774.58	Joback Method
cpg	906.20	J/molxK	808.05	Joback Method
cpg	927.98	J/molxK	841.52	Joback Method
cpg	949.49	J/molxK	874.98	Joback Method
cpg	970.91	J/molxK	908.45	Joback Method
cpg	992.43	J/molxK	941.92	Joback Method
cpg	1014.25	J/molxK	975.39	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=R229202&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R229202&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>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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