

# (Z)-Lanceol

**Inchi:** InChI=1S/C15H24O/c1-12-7-9-15(10-8-12)14(3)6-4-5-13(2)11-16/h5,7,15-16H,3-4,6,8-11H  
**InchiKey:** HBVOEGGRCJCMLG-ACAGNQJ TSA-N  
**Formula:** C15H24O  
**SMILES:** C=C(CCC=C(C)CO)C1CC=C(C)CC1  
**Mol. weight [g/mol]:** 220.35

## Physical Properties

Property code	Value	Unit	Source
gf	134.34	kJ/mol	Joback Method
hf	-181.46	kJ/mol	Joback Method
hfus	27.66	kJ/mol	Joback Method
hvap	66.49	kJ/mol	Joback Method
log10ws	-4.58		Crippen Method
logp	4.008		Crippen Method
mvol	204.320	ml/mol	McGowan Method
pc	2000.12	kPa	Joback Method
ripol	2449.00		NIST Webbook
tb	659.07	K	Joback Method
tc	853.50	K	Joback Method
tf	305.53	K	Joback Method
vc	0.776	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	563.70	J/mol×K	659.07	Joback Method
cpg	580.78	J/mol×K	691.47	Joback Method
cpg	596.91	J/mol×K	723.88	Joback Method
cpg	612.15	J/mol×K	756.28	Joback Method
cpg	626.54	J/mol×K	788.69	Joback Method
cpg	640.14	J/mol×K	821.09	Joback Method
cpg	652.98	J/mol×K	853.50	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R635048&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R635048&amp;Units=SI</a>
<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>

# 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>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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