

# «beta»-Humulen-1-ol

<b>Inchi:</b>	InChI=1S/C15H24O/c1-12-7-5-8-13(2)11-14(16)15(3,4)10-6-9-12/h6,10-11,14,16H,1,5,7
<b>InchiKey:</b>	VBUIDYZUADYZLL-DKBLQGDZSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	<chem>C=C1CC=CC(C)(C)C(O)C=C(C)CCC1</chem>
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	-7.28	kJ/mol	Joback Method
hf	-298.41	kJ/mol	Joback Method
hfus	15.70	kJ/mol	Joback Method
hvap	66.90	kJ/mol	Joback Method
log10ws	-4.69		Crippen Method
logp	4.006		Crippen Method
mcvol	204.320	ml/mol	McGowan Method
pc	2167.36	kPa	Joback Method
ripol	2265.00		NIST Webbook
tb	673.71	K	Joback Method
tc	890.35	K	Joback Method
tf	356.79	K	Joback Method
vc	0.741	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	573.42	J/molxK	673.71	Joback Method
cpg	593.46	J/molxK	709.82	Joback Method
cpg	612.44	J/molxK	745.92	Joback Method
cpg	630.44	J/molxK	782.03	Joback Method
cpg	647.51	J/molxK	818.13	Joback Method
cpg	663.75	J/molxK	854.24	Joback Method
cpg	679.22	J/molxK	890.35	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=R545603&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R545603&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>mccvol:</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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