

# «beta»-Himachalol

<b>Inchi:</b>	InChI=1S/C15H26O/c1-11-6-7-12-13(10-11)14(2,3)8-5-9-15(12,4)16/h10,12-13,16H,5-9H
<b>InchiKey:</b>	BBAMLNIPVMLTSQ-GZBFAFLISA-N
<b>Formula:</b>	C15H26O
<b>SMILES:</b>	CC1=CC2C(CC1)C(C)(O)CCCC2(C)C
<b>Mol. weight [g/mol]:</b>	222.37

## Physical Properties

Property code	Value	Unit	Source
gf	-6.47	kJ/mol	Joback Method
hf	-354.25	kJ/mol	Joback Method
hfus	14.84	kJ/mol	Joback Method
hvap	64.38	kJ/mol	Joback Method
log10ws	-4.39		Crippen Method
logp	3.920		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2191.78	kPa	Joback Method
rinpol	1637.00		NIST Webbook
rinpol	1637.00		NIST Webbook
ripol	2193.00		NIST Webbook
ripol	2193.00		NIST Webbook
tb	664.89	K	Joback Method
tc	879.55	K	Joback Method
tf	390.51	K	Joback Method
vc	0.749	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	596.53	J/molxK	664.89	Joback Method
cpg	616.99	J/molxK	700.67	Joback Method
cpg	636.59	J/molxK	736.44	Joback Method
cpg	655.52	J/molxK	772.22	Joback Method
cpg	673.99	J/molxK	808.00	Joback Method
cpg	692.21	J/molxK	843.77	Joback Method

## Sources

<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=R424427&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R424427&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>

## 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>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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