

# trans-4-hydroxylinalool 3,6 oxide

<b>Inchi:</b>	InChI=1S/C10H16O2/c1-5-10(4)9(11)6-8(12-10)7(2)3/h5,9,11H,1,6H2,2-4H3/t9-,10+/m0
<b>InchiKey:</b>	BMSMUURKSKTZQD-VHSXEESVSA-N
<b>Formula:</b>	C10H16O2
<b>SMILES:</b>	C=CC1(C)OC(=C(C)C)CC1O
<b>Mol. weight [g/mol]:</b>	168.23

## Physical Properties

Property code	Value	Unit	Source
gf	-41.52	kJ/mol	Joback Method
hf	-286.91	kJ/mol	Joback Method
hfus	20.16	kJ/mol	Joback Method
hvap	58.04	kJ/mol	Joback Method
log10ws	-2.68		Crippen Method
logp	2.006		Crippen Method
mcvol	144.040	ml/mol	McGowan Method
pc	2995.87	kPa	Joback Method
ripol	2067.00		NIST Webbook
ripol	2067.00		NIST Webbook
tb	561.38	K	Joback Method
tc	760.09	K	Joback Method
tf	315.05	K	Joback Method
vc	0.538	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	361.15	J/molxK	561.38	Joback Method
cpg	374.79	J/molxK	594.50	Joback Method
cpg	387.65	J/molxK	627.62	Joback Method
cpg	399.83	J/molxK	660.73	Joback Method
cpg	411.43	J/molxK	693.85	Joback Method
cpg	422.54	J/molxK	726.97	Joback Method
cpg	433.26	J/molxK	760.09	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=R401939&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R401939&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>h vap:</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>ri pol:</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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