

# santal-10-en-2-ol

<b>Inchi:</b>	InChI=1S/C15H24O/c1-10(2)6-5-7-13(3)11-8-12-14(13,4)15(12,16)9-11/h6,11-12,16H,5,
<b>InchiKey:</b>	JZAGKSYSQQUGDO-UHFFFAOYSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	CC(C)=CCCC1(C)C2CC3C(O)(C2)C31C
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	184.83	kJ/mol	Joback Method
hf	-161.97	kJ/mol	Joback Method
hfus	19.44	kJ/mol	Joback Method
hvap	61.03	kJ/mol	Joback Method
log10ws	-4.05		Crippen Method
logp	3.530		Crippen Method
mcvol	191.200	ml/mol	McGowan Method
pc	2267.57	kPa	Joback Method
rinpol	1644.00		NIST Webbook
rinpol	1644.00		NIST Webbook
ripol	2162.00		NIST Webbook
ripol	2162.00		NIST Webbook
tb	641.88	K	Joback Method
tc	841.59	K	Joback Method
tf	424.67	K	Joback Method
vc	0.754	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	563.33	J/molxK	641.88	Joback Method
cpg	579.30	J/molxK	675.16	Joback Method
cpg	594.67	J/molxK	708.45	Joback Method
cpg	609.76	J/molxK	741.73	Joback Method
cpg	624.87	J/molxK	775.02	Joback Method
cpg	640.34	J/molxK	808.30	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=R283875&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R283875&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>

## 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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