

# cis-Pinen-3-ol

<b>Other names:</b>	cis-Pinen-2-ol
<b>Inchi:</b>	InChI=1S/C10H16O/c1-9(2)7-4-5-10(3,11)8(9)6-7/h4-5,7-8,11H,6H2,1-3H3
<b>InchiKey:</b>	QBKKSIMANOEXOI-UHFFFAOYSA-N
<b>Formula:</b>	C10H16O
<b>SMILES:</b>	CC1(O)C=CC2CC1C2(C)C
<b>Mol. weight [g/mol]:</b>	152.23

## Physical Properties

Property code	Value	Unit	Source
gf	9.46	kJ/mol	Joback Method
hf	-214.94	kJ/mol	Joback Method
hfus	10.68	kJ/mol	Joback Method
hvap	51.90	kJ/mol	Joback Method
log10ws	-2.30		Crippen Method
logp	1.969		Crippen Method
mcvol	131.610	ml/mol	McGowan Method
pc	3299.15	kPa	Joback Method
rinpol	1131.00		NIST Webbook
rinpol	1131.00		NIST Webbook
tb	528.43	K	Joback Method
tc	731.27	K	Joback Method
tf	335.72	K	Joback Method
vc	0.500	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	336.25	J/mol×K	528.43	Joback Method
cpg	351.07	J/mol×K	562.24	Joback Method
cpg	364.78	J/mol×K	596.04	Joback Method
cpg	377.57	J/mol×K	629.85	Joback Method
cpg	389.63	J/mol×K	663.66	Joback Method
cpg	401.16	J/mol×K	697.46	Joback Method
cpg	412.35	J/mol×K	731.27	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=U292852&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U292852&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>rinpolar:</b>	Non-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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