

# cis-«alpha»-Copaen-8-ol

<b>Inchi:</b>	InChI=1S/C15H24O/c1-9(2)15(16)8-7-14(4)11-6-5-10(3)12(14)13(11)15/h5,9,11-13,16H,
<b>InchiKey:</b>	OHKRJLLHVVSRSK-UWMJVVDFA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	CC1=CCC2C3C1C2(C)CCC3(O)C(C)C
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	100.24	kJ/mol	Joback Method
hf	-262.09	kJ/mol	Joback Method
hfus	17.86	kJ/mol	Joback Method
hvap	63.22	kJ/mol	Joback Method
log10ws	-3.81		Crippen Method
logp	3.386		Crippen Method
mvol	191.200	ml/mol	McGowan Method
pc	2271.90	kPa	Joback Method
ripol	2085.00		NIST Webbook
tb	654.11	K	Joback Method
tc	860.54	K	Joback Method
tf	407.53	K	Joback Method
vc	0.732	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	572.53	J/mol×K	654.11	Joback Method
cpg	590.51	J/mol×K	688.52	Joback Method
cpg	607.71	J/mol×K	722.92	Joback Method
cpg	624.38	J/mol×K	757.33	Joback Method
cpg	640.76	J/mol×K	791.73	Joback Method
cpg	657.07	J/mol×K	826.14	Joback Method
cpg	673.56	J/mol×K	860.54	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.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>
<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=R321016&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R321016&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>

# 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>hvac:</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>mccol:</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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