

# cyclocopacamphene

<b>Inchi:</b>	InChI=1S/C15H22/c1-8(2)9-5-6-14(3)10-7-11-13(12(9)10)15(11,14)4/h5,8,10-13H,6-7H2
<b>InchiKey:</b>	JCDDQPKDRPLSOK-VCLVPYAKSA-N
<b>Formula:</b>	C15H22
<b>SMILES:</b>	CC(C)C1=CCC2(C)C3CC4C(C13)C42C
<b>Mol. weight [g/mol]:</b>	202.34

## Physical Properties

Property code	Value	Unit	Source
gf	334.11	kJ/mol	Joback Method
hf	-18.58	kJ/mol	Joback Method
hfus	18.20	kJ/mol	Joback Method
hvap	45.94	kJ/mol	Joback Method
log10ws	-3.84		Crippen Method
logp	3.881		Crippen Method
mcvol	174.470	ml/mol	McGowan Method
pc	2193.84	kPa	Joback Method
rinpol	1360.00		NIST Webbook
rinpol	1361.00		NIST Webbook
ripol	1555.00		NIST Webbook
tb	555.86	K	Joback Method
tc	771.27	K	Joback Method
tf	375.21	K	Joback Method
vc	0.694	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	484.82	J/molxK	555.86	Joback Method
cpg	505.22	J/molxK	591.76	Joback Method
cpg	524.03	J/molxK	627.66	Joback Method
cpg	541.57	J/molxK	663.57	Joback Method
cpg	558.16	J/molxK	699.47	Joback Method
cpg	574.11	J/molxK	735.37	Joback Method
cpg	589.76	J/molxK	771.27	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=R168602&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R168602&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>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>ripolar:</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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