

# Cyprotene

<b>Inchi:</b>	InChI=1S/C14H24/c1-6-11-9-12-8-7-10(2)14(11,5)13(12,3)4/h6,10,12H,7-9H2,1-5H3/b11
<b>InchiKey:</b>	FMOZOFOCONBPNY-RAYWUTBOSA-N
<b>Formula:</b>	C14H24
<b>SMILES:</b>	CC=C1CC2CCC(C)C1(C)C2(C)C
<b>Mol. weight [g/mol]:</b>	192.34
<b>CAS:</b>	193695-14-6

## Physical Properties

Property code	Value	Unit	Source
gf	183.36	kJ/mol	Joback Method
hf	-133.18	kJ/mol	Joback Method
hfus	13.95	kJ/mol	Joback Method
hvap	44.80	kJ/mol	Joback Method
log10ws	-4.36		Crippen Method
logp	4.415		Crippen Method
mcvol	182.100	ml/mol	McGowan Method
pc	2068.00	kPa	Joback Method
rinpol	1352.00		NIST Webbook
rinpol	1345.00		NIST Webbook
rinpol	1325.00		NIST Webbook
rinpol	1345.00		NIST Webbook
rinpol	1327.00		NIST Webbook
tb	539.52	K	Joback Method
tc	756.56	K	Joback Method
tf	326.06	K	Joback Method
vc	0.695	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	465.63	J/molxK	539.52	Joback Method
cpg	487.66	J/molxK	575.69	Joback Method
cpg	508.21	J/molxK	611.87	Joback Method
cpg	527.51	J/molxK	648.04	Joback Method

cpg	545.80	J/mol×K	684.21	Joback Method
cpg	563.32	J/mol×K	720.39	Joback Method
cpg	580.30	J/mol×K	756.56	Joback Method

## Sources

<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>
<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=C193695146&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C193695146&amp;Units=SI</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>mvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</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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