

# «gamma»-Neoclovene

<b>Inchi:</b>	InChI=1S/C15H24/c1-11-6-5-8-14(4)12-7-9-15(11,14)10-13(12,2)3/h5-6,11-12H,7-10H2,
<b>InchiKey:</b>	ZYKFQRCKKGFQQR-UHFFFAOYSA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	CC1C=CCC2(C)C3CCC12CC3(C)C
<b>Mol. weight [g/mol]:</b>	204.35

## Physical Properties

Property code	Value	Unit	Source
gf	231.54	kJ/mol	Joback Method
hf	-84.03	kJ/mol	Joback Method
hfus	9.28	kJ/mol	Joback Method
hvap	45.29	kJ/mol	Joback Method
log10ws	-4.43		Crippen Method
logp	4.415		Crippen Method
mcvol	185.330	ml/mol	McGowan Method
pc	2239.76	kPa	Joback Method
ripol	1754.00		NIST Webbook
tb	561.90	K	Joback Method
tc	795.76	K	Joback Method
tf	369.57	K	Joback Method
vc	0.709	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	501.64	J/mol×K	561.90	Joback Method
cpg	524.98	J/mol×K	600.88	Joback Method
cpg	546.53	J/mol×K	639.85	Joback Method
cpg	566.74	J/mol×K	678.83	Joback Method
cpg	586.06	J/mol×K	717.81	Joback Method
cpg	604.93	J/mol×K	756.78	Joback Method
cpg	623.79	J/mol×K	795.76	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=U156117&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U156117&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>hvpap:</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

Latest version available from:

<https://www.chemeo.com/cid/55-953-3/gamma-Neoclovene.pdf>

Generated by Cheméo on 2024-04-25 07:31:40.128923468 +0000 UTC m=+16319549.049500783.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.