

# Geranyl-p-cymene

<b>Inchi:</b>	InChI=1S/C18H26/c1-14(2)7-6-8-15(3)10-12-18-13-16(4)9-11-17(18)5/h7,9-11,13H,6,8,1
<b>InchiKey:</b>	IKVVTAAICQTCAL-XNTDXEJSSA-N
<b>Formula:</b>	C18H26
<b>SMILES:</b>	CC(C)=CCCC(C)=CCc1cc(C)ccc1C
<b>Mol. weight [g/mol]:</b>	242.40

## Physical Properties

Property code	Value	Unit	Source
gf	337.17	kJ/mol	Joback Method
hf	13.60	kJ/mol	Joback Method
hfus	33.42	kJ/mol	Joback Method
hvap	59.34	kJ/mol	Joback Method
log10ws	-6.28		Crippen Method
logp	5.539		Crippen Method
mcvol	232.120	ml/mol	McGowan Method
pc	1561.05	kPa	Joback Method
rinpol	1898.00		NIST Webbook
rinpol	1993.00		NIST Webbook
rinpol	1898.00		NIST Webbook
rinpol	1993.00		NIST Webbook
ripol	2219.00		NIST Webbook
ripol	2219.00		NIST Webbook
ripol	2308.00		NIST Webbook
tb	655.96	K	Joback Method
tc	863.25	K	Joback Method
tf	306.00	K	Joback Method
vc	0.897	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	611.31	J/mol×K	655.96	Joback Method
cpg	630.41	J/mol×K	690.51	Joback Method
cpg	648.43	J/mol×K	725.06	Joback Method

cpg	665.45	J/mol×K	759.60	Joback Method
cpg	681.53	J/mol×K	794.15	Joback Method
cpg	696.74	J/mol×K	828.70	Joback Method
cpg	711.15	J/mol×K	863.25	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=R517841&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R517841&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>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<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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