

# «gamma»-Farnesene

<b>Inchi:</b>	InChI=1S/C15H24/c1-6-14(4)10-8-12-15(5)11-7-9-13(2)3/h6,8-10,12H,7,11H2,1-5H3/b10
<b>InchiKey:</b>	JEKGHHPMLRLCIW-DEAWSWFZSA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	CC=C(C)C=CC=C(C)CCC=C(C)C
<b>Mol. weight [g/mol]:</b>	204.35

## Physical Properties

Property code	Value	Unit	Source
gf	370.65	kJ/mol	Joback Method
hf	86.58	kJ/mol	Joback Method
hfus	31.48	kJ/mol	Joback Method
hvap	49.06	kJ/mol	Joback Method
log10ws	-5.52		Crippen Method
logp	5.202		Crippen Method
mcvol	205.010	ml/mol	McGowan Method
pc	1686.56	kPa	Joback Method
rinpol	1420.00		NIST Webbook
rinpol	1420.00		NIST Webbook
tb	558.88	K	Joback Method
tc	753.82	K	Joback Method
tf	196.61	K	Joback Method
vc	0.798	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	485.53	J/molxK	558.88	Joback Method
cpg	503.84	J/molxK	591.37	Joback Method
cpg	521.10	J/molxK	623.86	Joback Method
cpg	537.41	J/molxK	656.35	Joback Method
cpg	552.83	J/molxK	688.84	Joback Method
cpg	567.43	J/molxK	721.33	Joback Method
cpg	581.30	J/molxK	753.82	Joback Method

# Sources

<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=R597956&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R597956&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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>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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