

# Germacrane-b

<b>Inchi:</b>	InChI=1S/C15H30/c1-12(2)15-10-8-13(3)6-5-7-14(4)9-11-15/h12-15H,5-11H2,1-4H3
<b>InchiKey:</b>	IBMAYSYZAVZPY-UHFFFAOYSA-N
<b>Formula:</b>	C15H30
<b>SMILES:</b>	CC1CCCC(C)CCC(C(C)C)CC1
<b>Mol. weight [g/mol]:</b>	210.40

## Physical Properties

Property code	Value	Unit	Source
gf	33.61	kJ/mol	Joback Method
hf	-369.21	kJ/mol	Joback Method
hfus	16.66	kJ/mol	Joback Method
hvap	49.09	kJ/mol	Joback Method
log10ws	-5.03		Crippen Method
logp	5.275		Crippen Method
mcvol	211.350	ml/mol	McGowan Method
pc	1720.31	kPa	Joback Method
rinpol	1476.00		NIST Webbook
rinpol	1477.00		NIST Webbook
rinpol	1492.00		NIST Webbook
rinpol	1475.00		NIST Webbook
ripol	1572.00		NIST Webbook
tb	569.45	K	Joback Method
tc	785.52	K	Joback Method
tf	228.63	K	Joback Method
vc	0.768	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	559.87	J/molxK	569.45	Joback Method
cpg	686.09	J/molxK	749.51	Joback Method
cpg	663.85	J/molxK	713.49	Joback Method
cpg	640.11	J/molxK	677.48	Joback Method
cpg	614.87	J/molxK	641.47	Joback Method

cpg	588.12	J/mol×K	605.46	Joback Method
cpg	706.83	J/mol×K	785.52	Joback Method
dvisc	0.0000798	Paxs	569.45	Joback Method
dvisc	0.0001235	Paxs	512.65	Joback Method
dvisc	0.0002130	Paxs	455.84	Joback Method
dvisc	0.0004291	Paxs	399.04	Joback Method
dvisc	0.0010907	Paxs	342.24	Joback Method
dvisc	0.0040194	Paxs	285.43	Joback Method
dvisc	0.0283190	Paxs	228.63	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R289635&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R289635&amp;Units=SI</a>
<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>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<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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