

# (+)-(7S)-Helmintogermacrene

<b>Inchi:</b>	InChI=1S/C15H24/c1-12(2)15-10-8-13(3)6-5-7-14(4)9-11-15/h6,9,15H,1,5,7-8,10-11H2,2
<b>InchiKey:</b>	XMRKUJJDDKYUHV-IVYGQPJVSA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	<chem>C=C(C)C1CC=C(C)CCC=C(C)CC1</chem>
<b>Mol. weight [g/mol]:</b>	204.35

## Physical Properties

Property code	Value	Unit	Source
gf	171.42	kJ/mol	Joback Method
hf	-114.99	kJ/mol	Joback Method
hfus	17.12	kJ/mol	Joback Method
hvap	51.42	kJ/mol	Joback Method
log10ws	-5.32		Crippen Method
logp	5.035		Crippen Method
mcvol	198.450	ml/mol	McGowan Method
pc	1950.95	kPa	Joback Method
rinsol	1503.00		NIST Webbook
tb	584.07	K	Joback Method
tc	810.41	K	Joback Method
tf	262.95	K	Joback Method
vc	0.731	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	499.67	J/mol×K	584.07	Joback Method
cpg	523.53	J/mol×K	621.79	Joback Method
cpg	546.01	J/mol×K	659.52	Joback Method
cpg	567.11	J/mol×K	697.24	Joback Method
cpg	586.84	J/mol×K	734.97	Joback Method
cpg	605.21	J/mol×K	772.69	Joback Method
cpg	622.25	J/mol×K	810.41	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=R561467&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R561467&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>hvac:</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>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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