

# 6«alpha»-Hydroxygermacra-1(10),4-diene

<b>Inchi:</b>	InChI=1S/C15H26/c1-12(2)15-10-8-13(3)6-5-7-14(4)9-11-15/h6,9,12,15H,5,7-8,10-11H2,
<b>InchiKey:</b>	YDLBHMSVYMFOMI-GNVJXCABSA-N
<b>Formula:</b>	C15H26
<b>SMILES:</b>	CC1=CCC(C(C)C)CCC(C)=CCC1
<b>Mol. weight [g/mol]:</b>	206.37

## Physical Properties

Property code	Value	Unit	Source
gf	89.69	kJ/mol	Joback Method
hf	-235.91	kJ/mol	Joback Method
hfus	16.18	kJ/mol	Joback Method
hvap	51.62	kJ/mol	Joback Method
log10ws	-5.22		Crippen Method
logp	5.115		Crippen Method
mcvol	202.750	ml/mol	McGowan Method
pc	1885.44	kPa	Joback Method
rinpol	1664.00		NIST Webbook
rinpol	1687.00		NIST Webbook
rinpol	1687.00		NIST Webbook
tb	587.07	K	Joback Method
tc	809.42	K	Joback Method
tf	263.67	K	Joback Method
vc	0.743	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	521.49	J/molxK	587.07	Joback Method
cpg	630.20	J/molxK	772.36	Joback Method
cpg	611.20	J/molxK	735.30	Joback Method
cpg	590.83	J/molxK	698.24	Joback Method
cpg	569.10	J/molxK	661.19	Joback Method
cpg	545.98	J/molxK	624.13	Joback Method
cpg	647.84	J/molxK	809.42	Joback Method

dvisc	0.0000603	Paxs	587.07	Joback Method
dvisc	0.0000918	Paxs	533.17	Joback Method
dvisc	0.0001538	Paxs	479.27	Joback Method
dvisc	0.0002934	Paxs	425.37	Joback Method
dvisc	0.0006755	Paxs	371.47	Joback Method
dvisc	0.0020638	Paxs	317.57	Joback Method
dvisc	0.0099543	Paxs	263.67	Joback Method

## Sources

<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>
<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=R640070&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R640070&amp;Units=SI</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>mvol:</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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