

# Germacrene 1(10),5-dien-4-ol

<b>Inchi:</b>	InChI=1S/C15H26O/c1-12(2)14-8-7-13(3)6-5-10-15(4,16)11-9-14/h6,9,11-12,14,16H,5,7
<b>InchiKey:</b>	RHCTXHCNRLCYBN-FKZSNCTQSA-N
<b>Formula:</b>	C15H26O
<b>SMILES:</b>	CC1=CCCC(C)(O)C=CC(C(C)C)CC1
<b>Mol. weight [g/mol]:</b>	222.37

## Physical Properties

Property code	Value	Unit	Source
gf	-50.70	kJ/mol	Joback Method
hf	-381.77	kJ/mol	Joback Method
hfus	15.43	kJ/mol	Joback Method
hvap	66.18	kJ/mol	Joback Method
log10ws	-4.60		Crippen Method
logp	4.086		Crippen Method
mcvol	208.620	ml/mol	McGowan Method
pc	2096.50	kPa	Joback Method
rinpol	1554.00		NIST Webbook
rinpol	1554.00		NIST Webbook
rinpol	1572.00		NIST Webbook
rinpol	1554.00		NIST Webbook
ripol	2041.00		NIST Webbook
tb	669.84	K	Joback Method
tc	882.46	K	Joback Method
tf	331.63	K	Joback Method
vc	0.758	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	595.33	J/molxK	669.84	Joback Method
cpg	615.86	J/molxK	705.28	Joback Method
cpg	635.31	J/molxK	740.71	Joback Method
cpg	653.77	J/molxK	776.15	Joback Method
cpg	671.33	J/molxK	811.58	Joback Method

cpg	688.06	J/mol×K	847.02	Joback Method
cpg	704.06	J/mol×K	882.46	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=R405184&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R405184&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>rinpola:</b>	Non-polar retention indices
<b>ripola:</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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