

# Guaia-1(10),11-dien-15-ol

<b>Inchi:</b>	InChI=1S/C15H24O/c1-10(2)12-5-6-13(9-16)14-7-4-11(3)15(14)8-12/h11-12,15-16H,1,4-
<b>InchiKey:</b>	XDJJQGUABGVLLV-UHFFFAOYSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	C=C(C)C1CCC(CO)=C2CCC(C)C2C1
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	93.98	kJ/mol	Joback Method
hf	-254.06	kJ/mol	Joback Method
hfus	25.49	kJ/mol	Joback Method
hvap	66.89	kJ/mol	Joback Method
log10ws	-4.14		Crippen Method
logp	3.698		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2092.66	kPa	Joback Method
rinpol	1770.00		NIST Webbook
rinpol	1770.00		NIST Webbook
rinpol	1770.00		NIST Webbook
rinpol	1770.00		NIST Webbook
rinpol	1772.00		NIST Webbook
rinpol	1770.00		NIST Webbook
tb	666.35	K	Joback Method
tc	868.74	K	Joback Method
tf	347.27	K	Joback Method
vc	0.744	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	575.65	J/molxK	666.35	Joback Method
cpg	594.42	J/molxK	700.08	Joback Method
cpg	612.11	J/molxK	733.81	Joback Method
cpg	628.76	J/molxK	767.54	Joback Method

cpg	644.41	J/mol×K	801.27	Joback Method
cpg	659.12	J/mol×K	835.01	Joback Method
cpg	672.92	J/mol×K	868.74	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=R613013&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R613013&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>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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