

# Selina-3,11-dien-6«alpha»-ol

<b>Inchi:</b>	InChI=1S/C15H24O/c1-10(2)12-7-9-15(4)8-5-6-11(3)13(15)14(12)16/h6,12-14,16H,1,5,7
<b>InchiKey:</b>	ORZBZGYCCWKLOF-MIGSVPMKSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	<chem>C=C(C)C1CCC2(C)CCC=C(C)C2C1O</chem>
<b>Mol. weight [g/mol]:</b>	220.35
<b>CAS:</b>	38142-38-0

## Physical Properties

Property code	Value	Unit	Source
gf	90.41	kJ/mol	Joback Method
hf	-247.69	kJ/mol	Joback Method
hfus	20.65	kJ/mol	Joback Method
hvap	64.77	kJ/mol	Joback Method
log10ws	-4.25		Crippen Method
logp	3.696		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2145.33	kPa	Joback Method
rinpol	1642.00		NIST Webbook
rinpol	1640.00		NIST Webbook
tb	656.94	K	Joback Method
tc	865.19	K	Joback Method
tf	354.41	K	Joback Method
vc	0.741	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	573.99	J/mol×K	656.94	Joback Method
cpg	593.37	J/mol×K	691.65	Joback Method
cpg	611.74	J/mol×K	726.36	Joback Method
cpg	629.25	J/mol×K	761.06	Joback Method
cpg	646.00	J/mol×K	795.77	Joback Method
cpg	662.12	J/mol×K	830.48	Joback Method
cpg	677.75	J/mol×K	865.19	Joback Method

# Sources

<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=C38142380&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C38142380&amp;Units=SI</a>
<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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>

# 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>h vap:</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>r in pol:</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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