

# (+)-(1R,5S,6R,9R,10R)-5,9-Epoxyamorpha-3,7(11)-

<b>Inchi:</b>	InChI=1S/C15H22O/c1-8(2)12-7-13-10(4)11-6-5-9(3)15(16-13)14(11)12/h5,10-11,13-15H
<b>InchiKey:</b>	BQMNCSAUWHVXSY-NXRJPMIISA-N
<b>Formula:</b>	C15H22O
<b>SMILES:</b>	CC1=CCC2C(C)C3CC(=C(C)C)C2C1O3
<b>Mol. weight [g/mol]:</b>	218.33

## Physical Properties

Property code	Value	Unit	Source
gf	189.17	kJ/mol	Joback Method
hf	-206.98	kJ/mol	Joback Method
hfus	34.78	kJ/mol	Joback Method
hvap	54.78	kJ/mol	Joback Method
log10ws	-4.08		Crippen Method
logp	3.712		Crippen Method
mcvol	186.900	ml/mol	McGowan Method
pc	1996.55	kPa	Joback Method
rinpol	1595.00		NIST Webbook
rinpol	1595.00		NIST Webbook
tb	599.63	K	Joback Method
tc	816.32	K	Joback Method
tf	333.36	K	Joback Method
vc	0.720	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	522.85	J/mol×K	599.63	Joback Method
cpg	544.19	J/mol×K	635.75	Joback Method
cpg	564.19	J/mol×K	671.86	Joback Method
cpg	582.95	J/mol×K	707.98	Joback Method
cpg	600.56	J/mol×K	744.09	Joback Method
cpg	617.10	J/mol×K	780.21	Joback Method
cpg	632.68	J/mol×K	816.32	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=R515781&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R515781&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>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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