

# Longipinanol

<b>Inchi:</b>	InChI=1S/C14H24O/c1-12(2)7-8-13(3)9-5-6-14(4,15)11(13)10(9)12/h9-11,15H,5-8H2,1-4
<b>InchiKey:</b>	QRSGGHWBBABNNO-UHFFFAOYSA-N
<b>Formula:</b>	C14H24O
<b>SMILES:</b>	CC1(C)CCC2(C)C3CCC(C)(O)C2C31
<b>Mol. weight [g/mol]:</b>	208.34

## Physical Properties

Property code	Value	Unit	Source
gf	60.73	kJ/mol	Joback Method
hf	-287.58	kJ/mol	Joback Method
hfus	12.73	kJ/mol	Joback Method
hvap	58.97	kJ/mol	Joback Method
log10ws	-3.53		Crippen Method
logp	3.220		Crippen Method
mcvol	181.410	ml/mol	McGowan Method
pc	2453.17	kPa	Joback Method
rinpol	1569.00		NIST Webbook
rinpol	1569.00		NIST Webbook
rinpol	1571.00		NIST Webbook
rinpol	1571.00		NIST Webbook
tb	623.10	K	Joback Method
tc	833.31	K	Joback Method
tf	417.64	K	Joback Method
vc	0.693	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	540.05	J/molxK	623.10	Joback Method
cpg	558.69	J/molxK	658.13	Joback Method
cpg	576.44	J/molxK	693.17	Joback Method
cpg	593.63	J/molxK	728.20	Joback Method
cpg	610.58	J/molxK	763.24	Joback Method
cpg	627.60	J/molxK	798.27	Joback Method

## Sources

<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=R625279&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R625279&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>

## 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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