

# Allohedycariol

<b>Inchi:</b>	InChI=1S/C15H26/c1-12(2)15-10-8-13(3)6-5-7-14(4)9-11-15/h9,11-12,14-15H,3,5-8,10H
<b>InchiKey:</b>	ZWZJYKZYTGYQBZ-PKNCBQFBNSA-N
<b>Formula:</b>	C15H26
<b>SMILES:</b>	<chem>C=C1CCCC(C)C=CC(C(C)C)CC1</chem>
<b>Mol. weight [g/mol]:</b>	206.37

## Physical Properties

Property code	Value	Unit	Source
gf	124.36	kJ/mol	Joback Method
hf	-206.85	kJ/mol	Joback Method
hfus	15.65	kJ/mol	Joback Method
hvap	49.86	kJ/mol	Joback Method
log10ws	-4.98		Crippen Method
logp	4.971		Crippen Method
mcvol	202.750	ml/mol	McGowan Method
pc	1853.11	kPa	Joback Method
rinpol	1584.00		NIST Webbook
tb	572.44	K	Joback Method
tc	792.51	K	Joback Method
tf	247.31	K	Joback Method
vc	0.740	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	519.16	J/molxK	572.44	Joback Method
cpg	632.68	J/molxK	755.83	Joback Method
cpg	612.79	J/molxK	719.15	Joback Method
cpg	591.49	J/molxK	682.48	Joback Method
cpg	568.79	J/molxK	645.80	Joback Method
cpg	544.68	J/molxK	609.12	Joback Method
cpg	651.17	J/molxK	792.51	Joback Method
dvisc	0.0000792	Paxs	572.44	Joback Method
dvisc	0.0001193	Paxs	518.25	Joback Method

dvisc	0.0001977	Paxs	464.06	Joback Method
dvisc	0.0003745	Paxs	409.88	Joback Method
dvisc	0.0008618	Paxs	355.69	Joback Method
dvisc	0.0026763	Paxs	301.50	Joback Method
dvisc	0.0136559	Paxs	247.31	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=R344519&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R344519&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>dvisc:</b>	Dynamic viscosity
<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>mccvol:</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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