

# Ledol

**Other names:**

1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-,  
[1ar-(1a«alpha»,4«alpha»,4a«beta»,7«alpha»,7a«beta»,7b«alpha»)]-  
1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-,  
(1ar,4R,4as,7R,7as,7bs)-  
(+)-Ledol

d-Ledol

1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-,  
[1ar-(1a«alpha»,4«alpha»,4a«beta»,7«beta»,7a«beta»,7b«alpha»)]-  
(1as,4S,4aR,7S,7aR,7bR)-1,1,4,7-Tetramethyldecahydro-1H-cyclopropa[e]azulen-4-ol

**Inchi:** InChI=1S/C15H26O/c1-9-5-6-10-12(9)13-11(14(13,2)3)7-8-15(10,4)16/h9-13,16H,5-8H2,

**InchiKey:** AYXPYQRXGNDJFU-XJMMWPIVSA-N

**Formula:** C15H26O

**SMILES:** CC1CCC2C1C1C(CCC2(C)O)C1(C)C

**Mol. weight [g/mol]:** 222.37

**CAS:** 577-27-5

## Physical Properties

Property code	Value	Unit	Source
gf	54.83	kJ/mol	Joback Method
hf	-349.96	kJ/mol	Joback Method
hfus	20.59	kJ/mol	Joback Method
hvap	62.21	kJ/mol	Joback Method
log10ws	-3.71		Crippen Method
logp	3.466		Crippen Method
mcvol	195.500	ml/mol	McGowan Method
pc	2127.56	kPa	Joback Method
rinpol	1580.00		NIST Webbook
rinpol	1565.00		NIST Webbook
rinpol	1542.00		NIST Webbook
rinpol	1546.00		NIST Webbook
rinpol	1605.00		NIST Webbook
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# Sources

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<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=C577275&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C577275&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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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>hvac:</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>mccol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>ripol:</b>	Non-polar retention indices
<b>ripol:</b>	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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