

# 1-Naphthalenol, 1,2,3,4,4a,7,8,8a-octahydro-1,6-dimethyl-4-(1-methyl-2-propenyl)-

Other names: (1R,4S,4aR,8aS)-4-Isopropyl-1,6-dimethyl-1,2,3,4,4a,7,8,8a-octahydronaphthalen-1-ol  
[1R-(1«alpha»,4«beta»,4a«beta»,8a«beta»)]-

«delta»-Cadinol  
«delta»-Cadinol, (-)-  
(-)-«delta»-Cadinol  
(-)-Cedreanol  
Cedreanol, (-)-  
Torreyol  
«alpha»-Muurolol  
Amorphan-3-en-9-ol  
Muurolol  
Torreyol («alpha»-muurolol)  
«alpha»-Muurolol (torreyol)

**Inchi:** InChI=1S/C15H26O/c1-10(2)12-7-8-15(4,16)14-6-5-11(3)9-13(12)14/h9-10,12-14,16H,5-  
**InchiKey:** LHYHMMRYTDARSZ-ZQDZILKHS-A-N  
**Formula:** C15H26O  
**SMILES:** CC1=CC2C(C(C)C)CCC(C)(O)C2CC1  
**Mol. weight [g/mol]:** 222.37  
**CAS:** 19435-97-3

## Physical Properties

Property code	Value	Unit	Source
gf	8.68	kJ/mol	Joback Method
hf	-368.61	kJ/mol	Joback Method
hfus	19.72	kJ/mol	Joback Method
hvap	64.97	kJ/mol	Joback Method
log10ws	-4.15		Crippen Method
logp	3.776		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2069.88	kPa	Joback Method
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tb	659.94	K	Joback Method
tc	865.11	K	Joback Method
tf	355.13	K	Joback Method
vc	0.752	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	597.80	J/molxK	659.94	Joback Method
cpg	617.79	J/molxK	694.13	Joback Method
cpg	636.77	J/molxK	728.33	Joback Method
cpg	654.86	J/molxK	762.52	Joback Method

cpg	672.18	J/mol×K	796.72	Joback Method
cpg	688.83	J/mol×K	830.91	Joback Method
cpg	704.93	J/mol×K	865.11	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>
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## 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>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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