

2-Naphthalenemethanol, decahydro-«alpha», «alpha», 4a-trimethyl-8-methyl- [2R-(2«alpha», 4a«alpha», 8a«beta»)]-

Other names:	Eudesmol (14)-en-11-ol «beta»-Eudesmol «beta»-Selinenol 2-Naphthalenemethanol, 1,2«alpha», 3,4,4a,5,6,7,8,8a«alpha»-decahydro-«alpha», «alpha», 4a«beta»-trimethyl-8- «beta»-Eudesmol («beta»-selinenol) 2-Naphthalenemethanol, decahydro-«alpha», «alpha», 4a-trimethyl-8-methylene-, (2R,4aR,8aS)- Natural «beta»-Eudesmol
Inchi:	InChI=1S/C15H26O/c1-11-6-5-8-15(4)9-7-12(10-13(11)15)14(2,3)16/h12-13,16H,1,5-10H
InchiKey:	BOPIMTNSYWYZOC-ILWWEHDPSA-N
Formula:	C15H26O
SMILES:	C=C1CCCC2(C)CCC(C(C)(C)O)CC12
Mol. weight [g/mol]:	222.37
CAS:	473-15-4

Physical Properties

Property code	Value	Unit	Source
gf	54.42	kJ/mol	Joback Method
hf	-313.81	kJ/mol	Joback Method
hfus	12.76	kJ/mol	Joback Method
hvap	63.58	kJ/mol	Joback Method
log10ws	-4.39		Crippen Method
logp	3.920		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2151.31	kPa	Joback Method
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tf	377.19	K	Joback Method
vc	0.747	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	597.18	J/mol×K	656.84	Joback Method
cpg	617.32	J/mol×K	692.04	Joback Method
cpg	636.34	J/mol×K	727.24	Joback Method
cpg	654.38	J/mol×K	762.45	Joback Method
cpg	671.60	J/mol×K	797.65	Joback Method
cpg	688.14	J/mol×K	832.85	Joback Method
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Legend

cpg: Ideal gas heat capacity

gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpolar:	Non-polar retention indices
ripolar:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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