

2-Naphthalenemethanol, 1,2,3,4,4a,5,6,7-octahydro-«alpha», «alpha», 4a,8-tetramethyl- (2R-cis)-

Other names:	«gamma»-Eudesmol «gamma»-Eudesmole [2R-cis]-1,2,3,4,4a,5,6,7-Octahydro-«alpha», «alpha», 4a,8-tetramethyl-2-naphthalenemethanol 2-((2R,4aR)-4a,8-Dimethyl-1,2,3,4,4a,5,6,7-octahydronaphthalen-2-yl)propan-2-ol Selinenol Machilol Eudesm-4-en-11-ol Uncineol
Inchi:	InChI=1S/C15H26O/c1-11-6-5-8-15(4)9-7-12(10-13(11)15)14(2,3)16/h12,16H,5-10H2,1-4H
InchiKey:	WMOPMQRJLLIEJV-WFASDCNBSA-N
Formula:	C15H26O
SMILES:	CC1=C2CC(C(C)(C)O)CCC2(C)CCC1
Mol. weight [g/mol]:	222.37
CAS:	1209-71-8

Physical Properties

Property code	Value	Unit	Source
gf	19.75	kJ/mol	Joback Method
hf	-342.87	kJ/mol	Joback Method
hfus	13.30	kJ/mol	Joback Method
h vap	65.35	kJ/mol	Joback Method
log10ws	-4.64		Crippen Method
logp	4.064		Crippen Method
m cvol	202.060	ml/mol	McGowan Method
pc	2191.78	kPa	Joback Method
rinpol	1633.00		NIST Webbook
rinpol	1621.00		NIST Webbook
rinpol	1624.00		NIST Webbook
rinpol	1620.00		NIST Webbook
rinpol	1637.00		NIST Webbook
rinpol	1618.00		NIST Webbook
rinpol	1623.00		NIST Webbook
rinpol	1630.00		NIST Webbook
rinpol	1616.00		NIST Webbook
rinpol	1626.00		NIST Webbook
rinpol	1624.00		NIST Webbook
rinpol	1630.00		NIST Webbook

rinpol	1616.00	NIST Webbook
rinpol	1624.00	NIST Webbook
rinpol	1654.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1609.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1635.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1629.00	NIST Webbook
rinpol	1622.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1634.00	NIST Webbook
rinpol	1598.00	NIST Webbook
rinpol	1608.00	NIST Webbook
rinpol	1651.00	NIST Webbook
rinpol	1657.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1627.00	NIST Webbook
rinpol	1621.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1634.00	NIST Webbook
rinpol	1633.00	NIST Webbook
rinpol	1637.00	NIST Webbook
rinpol	1609.00	NIST Webbook
rinpol	1629.00	NIST Webbook
rinpol	1617.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1605.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1638.00	NIST Webbook
rinpol	1628.50	NIST Webbook
rinpol	1616.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1602.00	NIST Webbook
rinpol	1601.00	NIST Webbook
rinpol	1602.00	NIST Webbook

rinpol	1628.00	NIST Webbook
rinpol	1633.00	NIST Webbook
rinpol	1615.00	NIST Webbook
rinpol	1601.00	NIST Webbook
rinpol	1638.00	NIST Webbook
rinpol	1626.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1633.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1611.00	NIST Webbook
rinpol	1612.00	NIST Webbook
rinpol	1635.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1646.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1642.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1629.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1594.00	NIST Webbook
rinpol	1625.00	NIST Webbook
rinpol	1619.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1652.00	NIST Webbook
rinpol	1627.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1629.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1627.00	NIST Webbook
rinpol	1629.00	NIST Webbook
rinpol	1625.00	NIST Webbook
rinpol	1620.00	NIST Webbook
rinpol	1610.00	NIST Webbook
rinpol	1633.00	NIST Webbook
rinpol	1622.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1629.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1632.00	NIST Webbook

rinpol	1616.00	NIST Webbook
rinpol	1618.00	NIST Webbook
rinpol	1603.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1616.00	NIST Webbook
rinpol	1629.00	NIST Webbook
rinpol	1627.20	NIST Webbook
rinpol	1635.30	NIST Webbook
rinpol	1641.20	NIST Webbook
rinpol	1606.00	NIST Webbook
rinpol	1606.00	NIST Webbook
rinpol	1596.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1621.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1633.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1651.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1627.00	NIST Webbook
rinpol	1620.00	NIST Webbook
rinpol	1612.00	NIST Webbook
rinpol	1607.00	NIST Webbook
rinpol	1620.00	NIST Webbook
rinpol	1620.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1620.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1625.00	NIST Webbook
rinpol	1597.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1619.00	NIST Webbook
rinpol	1647.00	NIST Webbook

rinpol	1629.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1623.00	NIST Webbook
rinpol	1640.00	NIST Webbook
rinpol	1621.00	NIST Webbook
rinpol	1649.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1618.00	NIST Webbook
rinpol	1622.00	NIST Webbook
rinpol	1633.00	NIST Webbook
rinpol	1633.00	NIST Webbook
rinpol	1608.00	NIST Webbook
rinpol	1637.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1660.00	NIST Webbook
rinpol	1620.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1635.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1599.00	NIST Webbook
rinpol	1624.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1618.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1621.00	NIST Webbook
rinpol	1621.00	NIST Webbook
rinpol	1634.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1637.00	NIST Webbook
rinpol	1645.00	NIST Webbook
rinpol	1625.00	NIST Webbook
rinpol	1624.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1646.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1626.00	NIST Webbook
rinpol	1625.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1626.00	NIST Webbook

rinpol	1629.00	NIST Webbook
rinpol	1626.00	NIST Webbook
rinpol	1628.00	NIST Webbook
rinpol	1622.00	NIST Webbook
rinpol	1612.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1639.00	NIST Webbook
rinpol	1626.00	NIST Webbook
rinpol	1628.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1629.00	NIST Webbook
rinpol	1632.00	NIST Webbook
rinpol	1616.00	NIST Webbook
rinpol	1633.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1611.00	NIST Webbook
rinpol	1628.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1628.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1630.00	NIST Webbook
rinpol	1631.00	NIST Webbook
rinpol	1624.00	NIST Webbook
rinpol	1632.00	NIST Webbook
ripol	2177.00	NIST Webbook
ripol	2202.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2193.00	NIST Webbook
ripol	2185.00	NIST Webbook
ripol	2185.00	NIST Webbook
ripol	2152.00	NIST Webbook
ripol	2185.00	NIST Webbook
ripol	2194.00	NIST Webbook
ripol	2185.00	NIST Webbook
ripol	2158.00	NIST Webbook
ripol	2198.00	NIST Webbook
ripol	2182.00	NIST Webbook
ripol	2177.00	NIST Webbook
ripol	2177.00	NIST Webbook
ripol	2177.00	NIST Webbook
ripol	2157.00	NIST Webbook
ripol	2177.00	NIST Webbook
ripol	2177.00	NIST Webbook

ripol	2177.00	NIST Webbook
ripol	2179.00	NIST Webbook
ripol	2171.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2148.00	NIST Webbook
ripol	2177.00	NIST Webbook
ripol	2188.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2178.00	NIST Webbook
ripol	2170.00	NIST Webbook
ripol	2189.00	NIST Webbook
ripol	2169.00	NIST Webbook
ripol	2180.00	NIST Webbook
ripol	2166.00	NIST Webbook
ripol	2172.00	NIST Webbook
ripol	2167.00	NIST Webbook
ripol	2170.00	NIST Webbook
ripol	2182.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2210.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2176.00	NIST Webbook
ripol	2136.00	NIST Webbook
ripol	2136.00	NIST Webbook
ripol	2143.00	NIST Webbook
ripol	2185.00	NIST Webbook
ripol	2160.00	NIST Webbook
ripol	2164.00	NIST Webbook
ripol	2158.00	NIST Webbook
ripol	2180.00	NIST Webbook
ripol	2149.00	NIST Webbook
ripol	2208.00	NIST Webbook
ripol	2167.00	NIST Webbook
ripol	2170.00	NIST Webbook
ripol	2188.00	NIST Webbook
ripol	2168.00	NIST Webbook
ripol	2170.00	NIST Webbook
ripol	2195.00	NIST Webbook
ripol	2182.00	NIST Webbook

tb	671.47	K	Joback Method
tc	884.60	K	Joback Method
tf	393.55	K	Joback Method
vc	0.750	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	596.14	J/mol×K	671.47	Joback Method
cpg	615.41	J/mol×K	706.99	Joback Method
cpg	633.66	J/mol×K	742.51	Joback Method
cpg	651.05	J/mol×K	778.04	Joback Method
cpg	667.73	J/mol×K	813.56	Joback Method
cpg	683.86	J/mol×K	849.08	Joback Method
cpg	699.60	J/mol×K	884.60	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1209718&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307i

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

rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.cheméo.com/cid/56-005-4/2-Naphthalenemethanol-1-2-3-4-4a-5-6-7-octahydro-alpha-alpha-4a-8-tetra>

Generated by Cheméo on 2024-04-23 13:14:37.198772028 +0000 UTC m=+16167326.119349343.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.