1-Naphthalenol, decahydro-1,4a-dimethyl-7-(1-methylethylidene)-, [1R-(1«alpha»,4a«beta»,8a«alpha»)]-

Other names: Eudesm-7(11)-en-4-ol
Juniper camphor
7(11)-Selinen-4«alpha»-ol
1-Naphthalenol, decahydro-1,4a-dimethyl-7-(1-methylethylidene)-, [1S-(1«alpha»,4a«beta»,8a«alpha»)]-
(+)-Selin-7(11)-en-4«alpha»-ol

Inchi: InChI=1S/C15H26O/c1-11(2)12-6-9-14(3)7-5-8-15(4,16)13(14)10-12/h13,16H,5-10H2,1-4

InchiKey: STRABSCAWZINIF-JVIGXAJISA-N

Formula: C15H26O

SMILES: CC(C)=C1CCC2(C)CCCC(C)(O)C2C1

Mol. weight [g/mol]: 222.37

CAS: 473-04-1

Physical Properties

Property code	Value	Unit	Source
gf	29.92	kJ/mol	Joback Method
hf	-307.82	kJ/mol	Joback Method
hfus	14.05	kJ/mol	Joback Method
hvap	64.43	kJ/mol	Joback Method
log10ws	-4.64		Crippen Method
logp	4.064		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2235.52	kPa	Joback Method
rinpol	1682.00		NIST Webbook
rinpol	1680.00		NIST Webbook
rinpol	1709.10		NIST Webbook
rinpol	1679.00		NIST Webbook
rinpol	1700.00		NIST Webbook
rinpol	1685.00		NIST Webbook
rinpol	1689.00		NIST Webbook
rinpol	1680.00		NIST Webbook
rinpol	1677.00		NIST Webbook
rinpol	1682.00		NIST Webbook
rinpol	1677.00		NIST Webbook
rinpol	1675.00		NIST Webbook
rinpol	1688.00		NIST Webbook
rinpol	1693.00		NIST Webbook
rinpol	1688.00		NIST Webbook

rinpol	1681.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1692.00	NIST Webbook
rinpol	1690.00	NIST Webbook
rinpol	1674.00	NIST Webbook
rinpol	1678.00	NIST Webbook
rinpol	1709.10	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1689.00	NIST Webbook
rinpol	1702.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1651.00	NIST Webbook
rinpol	1701.00	NIST Webbook
rinpol	1651.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1695.00	NIST Webbook
rinpol	1647.00	NIST Webbook
rinpol	1695.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1697.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1685.00	NIST Webbook
rinpol	1690.00	NIST Webbook
rinpol	1684.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1691.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1688.00	NIST Webbook
rinpol	1675.00	NIST Webbook
rinpol	1741.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1685.00	NIST Webbook
rinpol	1642.00	NIST Webbook
rinpol	1688.00	NIST Webbook
rinpol	1697.00	NIST Webbook
rinpol	1694.00	NIST Webbook
rinpol	1689.00	NIST Webbook
rinpol	1692.00	NIST Webbook
rinpol	1689.00	NIST Webbook
rinpol	1700.00	NIST Webbook
rinpol	1692.00	NIST Webbook
ripol	2302.00	NIST Webbook

ripol	2241.00		NIST Webbook
ripol	2271.00		NIST Webbook
ripol	2320.00		NIST Webbook
ripol	2320.00		NIST Webbook
ripol	2241.00		NIST Webbook
ripol	2239.00		NIST Webbook
ripol	2325.00		NIST Webbook
tb	667.67	K	Joback Method
tc	882.48	K	Joback Method
tf	381.39	K	Joback Method
vc	0.755	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	592.41	J/mol×K	667.67	Joback Method
cpg	612.10	J/mol×K	703.47	Joback Method
cpg	630.99	J/mol×K	739.27	Joback Method
cpg	649.30	J/mol×K	775.07	Joback Method
cpg	667.26	J/mol×K	810.88	Joback Method
cpg	685.10	J/mol×K	846.68	Joback Method
cpg	703.04	J/mol×K	882.48	Joback Method

Sources

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=C473041&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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