1,4-Methanoazulen-9-ol, decahydro-1,5,5,8a-tetramethyl-, [1R-(1«alpha»,3a«beta»,4«alpha»,8a«beta»,9S*)]-

Other names: Longiborneol
Juniperol

Inchi: InChI=1S/C15H26O/c1-13(2)7-5-8-14(3)10-6-9-15(14,4)12(16)11(10)13/h10-12,16H,5-9H

InchiKey: MNNFKQAYXGEKFA-BKTGGRMESA-N

Formula: C15H26O

SMILES: CC1(C)CCCC2(C)C3CCC2(C)C(O)C31

Mol. weight [g/mol]: 222.37

CAS: 465-24-7

Physical Properties

Property code	Value	Unit	Source
gf	57.05	kJ/mol	Joback Method
hf	-314.38	kJ/mol	Joback Method
hfus	13.22	kJ/mol	Joback Method
hvap	61.37	kJ/mol	Joback Method
log10ws	-3.95		Crippen Method
logp	3.610		Crippen Method
mcvol	195.500	ml/mol	McGowan Method
pc	2289.32	kPa	Joback Method
rinpol	1592.00		NIST Webbook
rinpol	1583.00		NIST Webbook
rinpol	1592.00		NIST Webbook
rinpol	1607.10		NIST Webbook
rinpol	1567.00		NIST Webbook
rinpol	1579.00		NIST Webbook
rinpol	1599.00		NIST Webbook
rinpol	1594.00		NIST Webbook
rinpol	1592.00		NIST Webbook
rinpol	1603.00		NIST Webbook
rinpol	1588.00		NIST Webbook
rinpol	1599.00		NIST Webbook
rinpol	1599.00		NIST Webbook
rinpol	1592.00		NIST Webbook
rinpol	1592.00		NIST Webbook
rinpol	1592.00		NIST Webbook
rinpol	1593.00		NIST Webbook
rinpol	1599.00		NIST Webbook

rinpol	1588.00		NIST Webbook
rinpol	1592.00		NIST Webbook
ripol	2151.00		NIST Webbook
ripol	2157.00		NIST Webbook
ripol	2147.00		NIST Webbook
ripol	2163.00		NIST Webbook
ripol	2174.00		NIST Webbook
ripol	2151.00		NIST Webbook
ripol	2151.00		NIST Webbook
tb	650.25	K	Joback Method
tc	863.66	K	Joback Method
tf	425.39	K	Joback Method
vc	0.741	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	595.75	J/mol×K	650.25	Joback Method
cpg	615.74	J/mol×K	685.82	Joback Method
cpg	634.97	J/mol×K	721.39	Joback Method
cpg	653.76	J/mol×K	756.96	Joback Method
cpg	672.45	J/mol×K	792.52	Joback Method
cpg	691.37	J/mol×K	828.09	Joback Method
cpg	710.84	J/mol×K	863.66	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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=C465247&Units=SI

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

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