1,7-NONADIEN-4-OL, 4,8-DIMETHYL-

Other names: 4,8-Dimethyl-1,7-nonadien-4-ol
Inchi: InChI=1S/C11H20O/c1-5-8-11(4,12)9-6-7-10(2)3/h5,7,12H,1,6,8-9H2,2-4H3
InchiKey: PWEXDCWJSFTGOP-UHFFFAOYSA-N
Formula: C11H20O
SMILES: C=CCC(C)(O)CCC=C(C)C
Mol. weight [g/mol]: 168.28

Physical Properties

Property code	Value	Unit	Source
hfus	18.53	kJ/mol	Joback Method
hvap	66.50	kJ/mol	Cheméo Relay (1.0)
ie	8.58	eV	Cheméo Relay (1.0)
log10ws	-2.06		Cheméo Relay (1.0)
logp	3.060		Crippen Method
mcvol	163.120	ml/mol	McGowan Method
rinpol	1182.00		NIST Webbook
rinpol	1191.00		NIST Webbook
rinpol	1182.00		NIST Webbook
tb	486.34	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	393.73	J/mol×K	540.75	Joback Method
cpg	407.75	J/mol×K	570.42	Joback Method
cpg	421.02	J/mol×K	600.09	Joback Method
cpg	433.57	J/mol×K	629.75	Joback Method
cpg	445.46	J/mol×K	659.42	Joback Method
cpg	456.72	J/mol×K	689.09	Joback Method
cpg	467.40	J/mol×K	718.76	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17920922&Units=SI

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature