5-Isopropylidene-4,6-dimethylnona-6,8-dien-2-ol

Inchi: InChI=1S/C14H24O/c1-7-8-11(4)14(10(2)3)12(5)9-13(6)15/h7-8,12-13,15H,1,9H2,2-6H3/
InchiKey: JQQLLWCXTJNGDN-DHZHZOJOSA-N
Formula: C14H24O
SMILES: C=CC=C(C)C(=C(C)C)C(C)CC(C)O
Mol. weight [g/mol]: 208.34

Physical Properties

Property code	Value	Unit	Source
gf	147.93	kJ/mol	Joback Method
hf	-164.58	kJ/mol	Joback Method
hfus	24.25	kJ/mol	Joback Method
hvap	62.15	kJ/mol	Joback Method
log10ws	-4.38		Crippen Method
logp	3.862		Crippen Method
mcvol	201.090	ml/mol	McGowan Method
pc	1901.92	kPa	Joback Method
rinpol	1505.00		NIST Webbook
rinpol	1505.00		NIST Webbook
rinpol	1505.00		NIST Webbook
tb	615.66	K	Joback Method
tc	798.51	K	Joback Method
tf	224.56	K	Joback Method
vc	0.770	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	520.55	J/mol×K	615.66	Joback Method
cpg	536.08	J/mol×K	646.14	Joback Method
cpg	550.81	J/mol×K	676.61	Joback Method
cpg	564.81	J/mol×K	707.09	Joback Method
cpg	578.11	J/mol×K	737.56	Joback Method
cpg	590.76	J/mol×K	768.04	Joback Method
cpg	602.81	J/mol×K	798.51	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=R613251&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume