3,7-Octadien-2-ol, 2-methyl-6-methylene-, (E)-

Other names: Isomyrcenol
Inchi: InChI=1S/C10H16O/c1-5-9(2)7-6-8-10(3,4)11/h5-6,8,11H,1-2,7H2,3-4H3/b8-6+
InchiKey: NOEQSPUVXRMJBW-SOFGYWHQSA-N
Formula: C10H16O
SMILES: C=CC(=C)CC=CC(C)(C)O
Mol. weight [g/mol]: 152.23
CAS: 6994-89-4

Physical Properties

Property code	Value	Unit	Source
gf	146.69	kJ/mol	Joback Method
hf	-52.42	kJ/mol	Joback Method
hfus	14.66	kJ/mol	Joback Method
hvap	51.94	kJ/mol	Joback Method
log10ws	-2.94		Crippen Method
logp	2.446		Crippen Method
mcvol	144.730	ml/mol	McGowan Method
pc	2695.80	kPa	Joback Method
tb	514.55	K	Joback Method
tc	697.69	K	Joback Method
tf	243.14	K	Joback Method
vc	0.546	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	328.52	J/mol×K	514.55	Joback Method
cpg	341.30	J/mol×K	545.07	Joback Method
cpg	353.32	J/mol×K	575.60	Joback Method
cpg	364.63	J/mol×K	606.12	Joback Method
cpg	375.27	J/mol×K	636.64	Joback Method
cpg	385.29	J/mol×K	667.16	Joback Method
cpg	394.75	J/mol×K	697.69	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=C6994894&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume