8-Hydroxy geraniol

Inchi: InChI=1S/C10H18O2/c1-9(6-7-11)4-3-5-10(2)8-12/h6,11-12H,2-5,7-8H2,1H3/b9-6+
InchiKey: KTRBKSRKPJSTKT-RMKNXTFCSA-N
Formula: C10H18O2
SMILES: C=C(CO)CCCC(C)=CCO
Mol. weight [g/mol]: 170.25

Physical Properties

Property code	Value	Unit	Source
gf	-89.36	kJ/mol	Joback Method
hf	-331.12	kJ/mol	Joback Method
hfus	26.13	kJ/mol	Joback Method
hvap	70.66	kJ/mol	Joback Method
log10ws	-2.24		Crippen Method
logp	1.644		Crippen Method
mcvol	154.900	ml/mol	McGowan Method
pc	2799.47	kPa	Joback Method
rinpol	1521.00		NIST Webbook
rinpol	1521.00		NIST Webbook
tb	613.16	K	Joback Method
tc	781.01	K	Joback Method
tf	289.34	K	Joback Method
vc	0.597	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	399.10	J/mol×K	613.16	Joback Method
cpg	409.85	J/mol×K	641.13	Joback Method
cpg	420.11	J/mol×K	669.11	Joback Method
cpg	429.90	J/mol×K	697.08	Joback Method
cpg	439.24	J/mol×K	725.06	Joback Method
cpg	448.17	J/mol×K	753.03	Joback Method
cpg	456.71	J/mol×K	781.01	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=R287406&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