dihydrofarnesyl propanoate

Inchi: InChI=1S/C18H32O2/c1-6-18(19)20-14-13-17(5)12-8-11-16(4)10-7-9-15(2)3/h9,13,16H,6
InchiKey: ZIJDYKLYLBHYIJ-GHRIWEEISA-N
Formula: C18H32O2
SMILES: CCC(=O)OCC=C(C)CCCC(C)CCC=C(C)C
Mol. weight [g/mol]: 280.45

Physical Properties

Property code	Value	Unit	Source
gf	7.66	kJ/mol	Joback Method
hf	-450.07	kJ/mol	Joback Method
hfus	39.42	kJ/mol	Joback Method
hvap	64.51	kJ/mol	Joback Method
log10ws	-5.69		Crippen Method
logp	5.439		Crippen Method
mcvol	263.320	ml/mol	McGowan Method
pc	1295.79	kPa	Joback Method
rinpol	1865.00		NIST Webbook
tb	695.17	K	Joback Method
tc	878.37	K	Joback Method
tf	311.70	K	Joback Method
vc	1.024	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	745.63	J/mol×K	695.17	Joback Method
cpg	764.10	J/mol×K	725.70	Joback Method
cpg	781.67	J/mol×K	756.24	Joback Method
cpg	798.37	J/mol×K	786.77	Joback Method
cpg	814.25	J/mol×K	817.30	Joback Method
cpg	829.35	J/mol×K	847.84	Joback Method
cpg	843.70	J/mol×K	878.37	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=R300846&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume