2(Z),6(Z)-Farnesol

Inchi: InChI=1S/C15H26O/c1-13(2)7-5-8-14(3)9-6-10-15(4)11-12-16/h7,9,11,16H,5-6,8,10,12H
InchiKey: CRDAMVZIKSXKFV-FBXUGWQNSA-N
Formula: C15H26O
SMILES: CC(C)=CCCC(C)=CCCC(C)=CCO
Mol. weight [g/mol]: 222.37

Physical Properties

Property code	Value	Unit	Source
gf	153.61	kJ/mol	Joback Method
hf	-182.87	kJ/mol	Joback Method
hfus	35.37	kJ/mol	Joback Method
hvap	65.78	kJ/mol	Joback Method
log10ws	-4.93		Crippen Method
logp	4.398		Crippen Method
mcvol	215.180	ml/mol	McGowan Method
pc	1743.37	kPa	Joback Method
rinpol	1718.00		NIST Webbook
rinpol	1718.00		NIST Webbook
tb	646.90	K	Joback Method
tc	826.12	K	Joback Method
tf	262.51	K	Joback Method
vc	0.838	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	573.45	J/mol×K	646.90	Joback Method
cpg	588.94	J/mol×K	676.77	Joback Method
cpg	603.68	J/mol×K	706.64	Joback Method
cpg	617.71	J/mol×K	736.51	Joback Method
cpg	631.10	J/mol×K	766.38	Joback Method
cpg	643.89	J/mol×K	796.25	Joback Method
cpg	656.14	J/mol×K	826.12	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=R611240&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