Viscida-3,9,14-triene

Inchi: InChI=1S/C20H32/c1-15(2)7-6-8-17(4)19-10-9-18(5)20(19)13-11-16(3)12-14-20/h7,10-11
InchiKey: XCPPMEUAGDXAIU-FLXSOZOKSA-N
Formula: C20H32
SMILES: CC(C)=CCCC(C)C1=CCC(C)C12CC=C(C)CC2
Mol. weight [g/mol]: 272.47

Physical Properties

Property code	Value	Unit	Source
gf	295.02	kJ/mol	Joback Method
hf	-125.16	kJ/mol	Joback Method
hfus	26.16	kJ/mol	Joback Method
hvap	61.03	kJ/mol	Joback Method
log10ws	-6.82		Crippen Method
logp	6.452		Crippen Method
mcvol	258.040	ml/mol	McGowan Method
pc	1450.14	kPa	Joback Method
rinpol	1862.00		NIST Webbook
tb	699.68	K	Joback Method
tc	916.92	K	Joback Method
tf	353.38	K	Joback Method
vc	0.983	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	756.67	J/mol×K	699.68	Joback Method
cpg	779.90	J/mol×K	735.89	Joback Method
cpg	801.99	J/mol×K	772.09	Joback Method
cpg	823.12	J/mol×K	808.30	Joback Method
cpg	843.47	J/mol×K	844.51	Joback Method
cpg	863.20	J/mol×K	880.71	Joback Method
cpg	882.50	J/mol×K	916.92	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=R418492&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