z-Dihydroapofarnesene

Inchi: InChI=1S/C15H26/c1-6-14(4)10-8-12-15(5)11-7-9-13(2)3/h6,12-13H,1,4,7-11H2,2-3,5H3
InchiKey: ULKAYCKRJORJBL-QINSGFPZSA-N
Formula: C15H26
SMILES: C=CC(=C)CCC=C(C)CCCC(C)C
Mol. weight [g/mol]: 206.37

Physical Properties

Property code	Value	Unit	Source
gf	311.78	kJ/mol	Joback Method
hf	-9.71	kJ/mol	Joback Method
hfus	26.11	kJ/mol	Joback Method
hvap	47.37	kJ/mol	Joback Method
log10ws	-5.42		Crippen Method
logp	5.281		Crippen Method
mcvol	209.310	ml/mol	McGowan Method
pc	1594.89	kPa	Joback Method
rinpol	1493.00		NIST Webbook
tb	539.44	K	Joback Method
tc	718.77	K	Joback Method
tf	207.29	K	Joback Method
vc	0.814	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	500.24	J/mol×K	539.44	Joback Method
cpg	518.67	J/mol×K	569.33	Joback Method
cpg	536.22	J/mol×K	599.22	Joback Method
cpg	552.92	J/mol×K	629.11	Joback Method
cpg	568.80	J/mol×K	659.00	Joback Method
cpg	583.92	J/mol×K	688.89	Joback Method
cpg	598.31	J/mol×K	718.77	Joback Method

Sources

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=R418096&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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