1,6-germacradiene-5-ol

Inchi: InChI=1S/C15H26O/c1-11(2)14-9-8-12(3)6-5-7-13(4)15(16)10-14/h5-6,10-13,15-16H,7-9
InchiKey: XRVZBFPDDHAYMH-WULNTPNUSA-N
Formula: C15H26O
SMILES: CC1C=CCC(C)C(O)C=C(C(C)C)CC1
Mol. weight [g/mol]: 222.37

Physical Properties

Property code	Value	Unit	Source
gf	-52.92	kJ/mol	Joback Method
hf	-417.35	kJ/mol	Joback Method
hfus	22.80	kJ/mol	Joback Method
hvap	67.02	kJ/mol	Joback Method
log10ws	-4.35		Crippen Method
logp	3.942		Crippen Method
mcvol	208.620	ml/mol	McGowan Method
pc	1954.41	kPa	Joback Method
ripol	2069.00		NIST Webbook
tb	664.93	K	Joback Method
tc	870.49	K	Joback Method
tf	303.49	K	Joback Method
vc	0.759	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	600.68	J/mol×K	664.93	Joback Method
cpg	621.67	J/mol×K	699.19	Joback Method
cpg	641.42	J/mol×K	733.45	Joback Method
cpg	659.91	J/mol×K	767.71	Joback Method
cpg	677.16	J/mol×K	801.97	Joback Method
cpg	693.15	J/mol×K	836.23	Joback Method
cpg	707.89	J/mol×K	870.49	Joback Method
dvisc	0.0162158	Pa×s	303.49	Joback Method
dvisc	0.0021298	Pa×s	363.73	Joback Method

dvisc	0.0004980	Pa×s	423.97	Joback Method
dvisc	0.0001672	Pa×s	484.21	Joback Method
dvisc	0.0000715	Pa×s	544.45	Joback Method
dvisc	0.0000362	Pa×s	604.69	Joback Method
dvisc	0.0000207	Pa×s	664.93	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=R396659&Units=SI

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume