Guaia-5-en-11-ol

Inchi: InChI=1S/C15H26O/c1-10-5-7-14-11(2)9-12(15(3,4)16)6-8-13(10)14/h9-10,12-14,16H,5-
InchiKey: VBLFLTDWGIRXGE-UHFFFAOYSA-N
Formula: C15H26O
SMILES: CC1=CC(C(C)(C)O)CCC2C(C)CCC12
Mol. weight [g/mol]: 222.37

Physical Properties

Property code	Value	Unit	Source
gf	19.45	kJ/mol	Joback Method
hf	-387.32	kJ/mol	Joback Method
hfus	22.13	kJ/mol	Joback Method
hvap	65.22	kJ/mol	Joback Method
log10ws	-4.15		Crippen Method
logp	3.776		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2007.30	kPa	Joback Method
rinpol	1599.00		NIST Webbook
rinpol	1599.00		NIST Webbook
tb	656.91	K	Joback Method
tc	862.03	K	Joback Method
tf	348.65	K	Joback Method
vc	0.750	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	603.31	J/mol×K	656.91	Joback Method
cpg	623.77	J/mol×K	691.10	Joback Method
cpg	642.97	J/mol×K	725.28	Joback Method
cpg	660.98	J/mol×K	759.47	Joback Method
cpg	677.85	J/mol×K	793.66	Joback Method
cpg	693.63	J/mol×K	827.84	Joback Method
cpg	708.40	J/mol×K	862.03	Joback Method
dvisc	0.0055621	Pa×s	348.65	Joback Method

dvisc	0.0019378	Pa×s	400.03	Joback Method
dvisc	0.0008583	Pa×s	451.40	Joback Method
dvisc	0.0004490	Pa×s	502.78	Joback Method
dvisc	0.0002648	Pa×s	554.16	Joback Method
dvisc	0.0001709	Pa×s	605.53	Joback Method
dvisc	0.0001181	Pa×s	656.91	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=R604945&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume