

Guai-11-en-10-ol

Inchi:	InChI=1S/C15H26O/c1-10(2)13-6-5-12(4)15(16)8-7-11(3)14(15)9-13/h11-14,16H,1,5-9H
InchiKey:	YCHDRKAWJJVIH-UHFFFAOYSA-N
Formula:	C15H26O
SMILES:	C=C(C)C1CCC(C)C2(O)CCC(C)C2C1
Mol. weight [g/mol]:	222.37

Physical Properties

Property code	Value	Unit	Source
gf	62.37	kJ/mol	Joback Method
hf	-314.34	kJ/mol	Joback Method
hfus	20.89	kJ/mol	Joback Method
hvap	63.51	kJ/mol	Joback Method
log10ws	-4.15		Crippen Method
logp	3.776		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2041.91	kPa	Joback Method
rinpol	1653.00		NIST Webbook
rinpol	1653.00		NIST Webbook
tb	648.13	K	Joback Method
tc	853.75	K	Joback Method
tf	336.89	K	Joback Method
vc	0.753	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	598.16	J/mol×K	648.13	Joback Method
cpg	619.17	J/mol×K	682.40	Joback Method
cpg	639.08	J/mol×K	716.67	Joback Method
cpg	658.00	J/mol×K	750.94	Joback Method
cpg	676.06	J/mol×K	785.21	Joback Method
cpg	693.38	J/mol×K	819.48	Joback Method
cpg	710.06	J/mol×K	853.75	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=R199141&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
hvp:	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
rinp:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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