Eudesma-5,7-dien-4-ol

Inchi: InChI=1S/C15H24O/c1-11(2)12-6-9-14(3)7-5-8-15(4,16)13(14)10-12/h6,10-11,16H,5,7-9
InchiKey: LGUGFZKFDQBVJK-HUUCEWRRSA-N
Formula: C15H24O
SMILES: CC(C)C1=CCC2(C)CCCC(C)(O)C2=C1
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	38.94	kJ/mol	Joback Method
hf	-266.38	kJ/mol	Joback Method
hfus	12.11	kJ/mol	Joback Method
hvap	65.39	kJ/mol	Joback Method
log10ws	-4.49		Crippen Method
logp	3.840		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2342.82	kPa	Joback Method
rinpol	1551.00		NIST Webbook
tb	673.66	K	Joback Method
tc	888.56	K	Joback Method
tf	400.79	K	Joback Method
vc	0.739	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	566.92	J/mol×K	673.66	Joback Method
cpg	584.85	J/mol×K	709.48	Joback Method
cpg	602.10	J/mol×K	745.29	Joback Method
cpg	618.90	J/mol×K	781.11	Joback Method
cpg	635.48	J/mol×K	816.93	Joback Method
cpg	652.06	J/mol×K	852.75	Joback Method
cpg	668.85	J/mol×K	888.56	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=R199116&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