Eudesma-4(15),7-dien-1«beta»-ol

Inchi: InChI=1S/C15H24O/c1-10(2)12-7-8-15(4)13(9-12)11(3)5-6-14(15)16/h13-14,16H,3,5-9H
InchiKey: YGHXVLHGEZNUHQ-SLTAFYQDSA-N
Formula: C15H24O
SMILES: C=C1CCC(O)C2(C)CCC(=C(C)C)CC12
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	88.49	kJ/mol	Joback Method
hf	-238.82	kJ/mol	Joback Method
hfus	19.19	kJ/mol	Joback Method
hvap	65.74	kJ/mol	Joback Method
log10ws	-4.49		Crippen Method
logp	3.840		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2181.56	kPa	Joback Method
rinpol	1671.00		NIST Webbook
rinpol	1672.00		NIST Webbook
rinpol	1686.00		NIST Webbook
rinpol	1688.00		NIST Webbook
ripol	2346.00		NIST Webbook
tb	666.59	K	Joback Method
tc	875.76	K	Joback Method
tf	371.17	K	Joback Method
vc	0.742	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	572.00	J/mol×K	666.59	Joback Method
cpg	590.73	J/mol×K	701.45	Joback Method
cpg	608.54	J/mol×K	736.31	Joback Method
cpg	625.54	J/mol×K	771.17	Joback Method
cpg	641.88	J/mol×K	806.04	Joback Method

cpg	657.66	J/mol×K	840.90	Joback Method
cpg	673.03	J/mol×K	875.76	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R607142&Units=SI
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

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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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