6-Acetoxyeudesm-4(15)-en-7«beta»-ol

Inchi: InChI=1S/C17H28O3/c1-11(2)17(19)10-9-16(5)8-6-7-12(3)14(16)15(17)20-13(4)18/h11,1
InchiKey: UKFCOAIBDHEBAF-GQGLESIBSA-N
Formula: C17H28O3
SMILES: C=C1CCCC2(C)CCC(O)(C(C)C)C(OC(C)=O)C12
Mol. weight [g/mol]: 280.40

Physical Properties

Property code	Value	Unit	Source
gf	-181.14	kJ/mol	Joback Method
hf	-601.52	kJ/mol	Joback Method
hfus	19.39	kJ/mol	Joback Method
hvap	76.64	kJ/mol	Joback Method
log10ws	-4.21		Crippen Method
logp	3.462		Crippen Method
mcvol	237.680	ml/mol	McGowan Method
pc	1888.72	kPa	Joback Method
rinpol	1879.00		NIST Webbook
rinpol	1879.00		NIST Webbook
tb	777.25	K	Joback Method
tc	987.51	K	Joback Method
tf	474.13	K	Joback Method
vc	0.884	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	761.48	J/mol×K	777.25	Joback Method
cpg	781.30	J/mol×K	812.29	Joback Method
cpg	800.75	J/mol×K	847.34	Joback Method
cpg	820.02	J/mol×K	882.38	Joback Method
cpg	839.28	J/mol×K	917.42	Joback Method
cpg	858.73	J/mol×K	952.46	Joback Method
cpg	878.56	J/mol×K	987.51	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=R626405&Units=SI

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