11«alpha»H-Himachal-4-en-1«beta»-ol

Inchi: InChI=1S/C15H26O/c1-10-8-12-14(13(16)9-10)11(2)6-5-7-15(12,3)4/h8,10-11,13-14,16H
InchiKey: ORJBXKUKZNDFLV-DZYMPVBWSA-N
Formula: C15H26O
SMILES: CC1C=C2C(C(C)CCCC2(C)C)C(O)C1
Mol. weight [g/mol]: 222.37

Physical Properties

Property code	Value	Unit	Source
gf	-8.69	kJ/mol	Joback Method
hf	-389.83	kJ/mol	Joback Method
hfus	22.21	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	2040.07	kPa	Joback Method
rinpol	1638.00		NIST Webbook
ripol	2110.00		NIST Webbook
tb	659.98	K	Joback Method
tc	867.40	K	Joback Method
tf	362.37	K	Joback Method
vc	0.750	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	601.78	J/mol×K	659.98	Joback Method
cpg	622.71	J/mol×K	694.55	Joback Method
cpg	642.57	J/mol×K	729.12	Joback Method
cpg	661.47	J/mol×K	763.69	Joback Method
cpg	679.52	J/mol×K	798.26	Joback Method
cpg	696.82	J/mol×K	832.83	Joback Method
cpg	713.47	J/mol×K	867.40	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R339983&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