cis -1,2,3,6,7,7a -Hexahydo-7a -methyl-3aH-inden-3a -ol

Inchi: InChI=1S/C10H16O/c1-9-5-2-3-7-10(9,11)8-4-6-9/h3,7,11H,2,4-6,8H2,1H3/t9?,10-/m0/s1
InchiKey: HGVNKXMEVDSSTN-AXDSSHIGSA-N
Formula: C10H16O
SMILES: CC12CCC=CC1(O)CCC2
Mol. weight [g/mol]: 152.23

Physical Properties

Property code	Value	Unit	Source
gf	0.68	kJ/mol	Joback Method
hf	-186.58	kJ/mol	Joback Method
hfus	4.34	kJ/mol	Joback Method
hvap	52.87	kJ/mol	Joback Method
log10ws	-2.79		Crippen Method
logp	2.258		Crippen Method
mcvol	131.610	ml/mol	McGowan Method
pc	3786.98	kPa	Joback Method
rinpol	1343.00		NIST Webbook
rinpol	1343.00		NIST Webbook
tb	546.31	K	Joback Method
tc	764.36	K	Joback Method
tf	337.16	K	Joback Method
vc	0.486	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	334.63	J/mol×K	546.31	Joback Method
cpg	350.23	J/mol×K	582.65	Joback Method
cpg	364.62	J/mol×K	618.99	Joback Method
cpg	378.03	J/mol×K	655.34	Joback Method
cpg	390.71	J/mol×K	691.68	Joback Method
cpg	402.89	J/mol×K	728.02	Joback Method
cpg	414.81	J/mol×K	764.36	Joback Method

Sources

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=R287446&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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