Cyclocopacamphan-12-ol, epimer a

Inchi: InChI=1S/C15H24O/c1-8(7-16)9-4-5-14(2)10-6-11-13(12(9)10)15(11,14)3/h8-13,16H,4-7
InchiKey: TUWGUUUUJAXUPF-QAQQNOBPSA-N
Formula: C15H24O
SMILES: CC(CO)C1CCC2(C)C3CC4C(C13)C42C
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	169.25	kJ/mol	Joback Method
hf	-237.46	kJ/mol	Joback Method
hfus	22.53	kJ/mol	Joback Method
hvap	61.35	kJ/mol	Joback Method
log10ws	-3.01		Crippen Method
logp	2.933		Crippen Method
mcvol	184.640	ml/mol	McGowan Method
pc	2274.07	kPa	Joback Method
rinpol	1645.00		NIST Webbook
ripol	2368.00		NIST Webbook
tb	639.23	K	Joback Method
tc	837.50	K	Joback Method
tf	418.51	K	Joback Method
vc	0.726	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	575.79	J/mol×K	639.23	Joback Method
cpg	593.44	J/mol×K	672.27	Joback Method
cpg	610.25	J/mol×K	705.32	Joback Method
cpg	626.45	J/mol×K	738.36	Joback Method
cpg	642.30	J/mol×K	771.41	Joback Method
cpg	658.05	J/mol×K	804.45	Joback Method
cpg	673.93	J/mol×K	837.50	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=R397850&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume