4,6-diisopropylidene-8,8-dimethylbicyclo[5.1.0]-oc

Inchi: InChI=1S/C16H24O/c1-9(2)11-7-12(10(3)4)14-15(13(17)8-11)16(14,5)6/h11-12,14-15H,1
InchiKey: DVEMIUDQMPVUPV-UHFFFAOYSA-N
Formula: C16H24O
SMILES: C=C(C)C1CC(=O)C2C(C(C(=C)C)C1)C2(C)C
Mol. weight [g/mol]: 232.36

Physical Properties

Property code	Value	Unit	Source
gf	188.51	kJ/mol	Joback Method
hf	-192.49	kJ/mol	Joback Method
hfus	20.51	kJ/mol	Joback Method
hvap	52.37	kJ/mol	Joback Method
log10ws	-4.09		Crippen Method
logp	4.006		Crippen Method
mcvol	207.550	ml/mol	McGowan Method
pc	1781.84	kPa	Joback Method
rinpol	1883.00		NIST Webbook
rinpol	1883.00		NIST Webbook
tb	634.67	K	Joback Method
tc	858.67	K	Joback Method
tf	346.88	K	Joback Method
vc	0.795	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	591.65	J/mol×K	634.67	Joback Method
cpg	614.39	J/mol×K	672.00	Joback Method
cpg	635.90	J/mol×K	709.34	Joback Method
cpg	656.30	J/mol×K	746.67	Joback Method
cpg	675.74	J/mol×K	784.00	Joback Method
cpg	694.37	J/mol×K	821.34	Joback Method
cpg	712.32	J/mol×K	858.67	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=R413279&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume