Bicyclo[2.2.1]heptan-2-amine,3-methoxy-N,N-dim

Inchi: InChI=1S/C10H19NO/c1-11(2)9-7-4-5-8(6-7)10(9)12-3/h7-10H,4-6H2,1-3H3/t7?,8?,9-,10
InchiKey: LRHIYZWCHAALSC-HORUIINNSA-N
Formula: C10H19NO
SMILES: COC1C2CCC(C2)C1N(C)C
Mol. weight [g/mol]: 169.26
CAS: 67398-96-3

Physical Properties

Property code	Value	Unit	Source
gf	133.08	kJ/mol	Joback Method
hf	-215.66	kJ/mol	Joback Method
hfus	22.18	kJ/mol	Joback Method
hvap	41.69	kJ/mol	Joback Method
ie	8.06	eV	NIST Webbook
log10ws	-1.20		Crippen Method
logp	1.361		Crippen Method
mcvol	145.890	ml/mol	McGowan Method
pc	2555.92	kPa	Joback Method
tb	471.47	K	Joback Method
tc	664.59	K	Joback Method
tf	281.04	K	Joback Method
vc	0.535	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	348.29	J/mol×K	471.47	Joback Method
cpg	368.04	J/mol×K	503.66	Joback Method
cpg	386.75	J/mol×K	535.84	Joback Method
cpg	404.46	J/mol×K	568.03	Joback Method
cpg	421.23	J/mol×K	600.21	Joback Method
cpg	437.08	J/mol×K	632.40	Joback Method
cpg	452.06	J/mol×K	664.59	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=C67398963&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
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume