Bicyclo[2.2.1]heptan-2-ol,3-(dimethylamino)-(endo

Inchi: InChI=1S/C9H17NO/c1-10(2)8-6-3-4-7(5-6)9(8)11/h6-9,11H,3-5H2,1-2H3/t6?,7?,8-,9+/m
InchiKey: RELHKQZXRPAJSE-ABIFROTESA-N
Formula: C9H17NO
SMILES: CN(C)C1C2CCC(C2)C1O
Mol. weight [g/mol]: 155.24
CAS: 57070-90-3

Physical Properties

Property code	Value	Unit	Source
gf	92.84	kJ/mol	Joback Method
hf	-215.03	kJ/mol	Joback Method
hfus	22.49	kJ/mol	Joback Method
hvap	53.73	kJ/mol	Joback Method
ie	8.60	eV	NIST Webbook
log10ws	-0.95		Crippen Method
logp	0.707		Crippen Method
mcvol	131.800	ml/mol	McGowan Method
pc	3181.14	kPa	Joback Method
tb	518.35	K	Joback Method
tc	704.41	K	Joback Method
tf	308.36	K	Joback Method
vc	0.480	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	342.50	J/mol×K	518.35	Joback Method
cpg	358.68	J/mol×K	549.36	Joback Method
cpg	373.96	J/mol×K	580.37	Joback Method
cpg	388.38	J/mol×K	611.38	Joback Method
cpg	401.99	J/mol×K	642.39	Joback Method
cpg	414.83	J/mol×K	673.40	Joback Method
cpg	426.94	J/mol×K	704.41	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=C57070903&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
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