Formamidine, 1-cyclohexyl-3,3-dimethyl

Other names: N,N-Dimethyl-N'-cyclohexyl-formamidine
Inchi: InChI=1S/C9H18N2/c1-11(2)8-10-9-6-4-3-5-7-9/h8-9H,3-7H2,1-2H3/b10-8+
InchiKey: RSCQOCHUASBJQZ-CSKARUKUSA-N
Formula: C9H18N2
SMILES: CN(C)C=NC1CCCCC1
Mol. weight [g/mol]: 154.25

Physical Properties

Property code	Value	Unit	Source
hf	-25.02	kJ/mol	Joback Method
hvap	41.41	kJ/mol	Joback Method
log10ws	-1.83		Crippen Method
logp	1.909		Crippen Method
mcvol	142.470	ml/mol	McGowan Method
pc	2540.49	kPa	Joback Method
rinpol	1229.00		NIST Webbook
rinpol	1229.00		NIST Webbook
rinpol	1229.00		NIST Webbook
tb	513.99	K	Joback Method
tc	730.75	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R118340&Units=SI
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

Legend

hf:	Enthalpy of formation 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