Formamidine, 1-butyl-3,3-dimethyl

Other names: N,N-Dimethyl-N'-butyl-formamidine
Inchi: InChI=1S/C7H16N2/c1-4-5-6-8-7-9(2)3/h7H,4-6H2,1-3H3/b8-7+
InchiKey: VXNDBQSEHXDVEZ-BQYQJAHWSA-N
Formula: C7H16N2
SMILES: CCCCN=CN(C)C
Mol. weight [g/mol]: 128.22

Physical Properties

Property code	Value	Unit	Source
hf	-38.06	kJ/mol	Joback Method
hvap	36.53	kJ/mol	Joback Method
log10ws	-0.98		Crippen Method
logp	1.376		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
pc	2507.52	kPa	Joback Method
rinpol	985.00		NIST Webbook
rinpol	985.00		NIST Webbook
rinpol	985.00		NIST Webbook
tb	448.68	K	Joback Method
tc	632.75	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R118320&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