N,N-Dimethyl-N'-pentyl-formamidine

Other names: Formamidine, 3,3-dimethyl-1-pentyl
Inchi: InChI=1S/C8H18N2/c1-4-5-6-7-9-8-10(2)3/h8H,4-7H2,1-3H3/b9-8+
InchiKey: OGKWIUZTBGSUCA-CMDGGOBGSA-N
Formula: C8H18N2
SMILES: CCCCCN=CN(C)C
Mol. weight [g/mol]: 142.24

Physical Properties

Property code	Value	Unit	Source
hf	-58.70	kJ/mol	Joback Method
hvap	38.76	kJ/mol	Joback Method
log10ws	-1.40		Crippen Method
logp	1.766		Crippen Method
mcvol	139.240	ml/mol	McGowan Method
pc	2282.77	kPa	Joback Method
rinpol	1042.00		NIST Webbook
rinpol	1042.00		NIST Webbook
rinpol	1042.00		NIST Webbook
tb	471.56	K	Joback Method
tc	653.91	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R118528&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