N,N-Dimethyl-N'-pentyl-propionamidine

Inchi: InChI=1S/C10H22N2/c1-5-7-8-9-11-10(6-2)12(3)4/h5-9H2,1-4H3/b11-10+
InchiKey: ARHKZWXZVKYOLO-ZHACJKMWSA-N
Formula: C10H22N2
SMILES: CCCCCN=C(CC)N(C)C
Mol. weight [g/mol]: 170.30

Physical Properties

Property code	Value	Unit	Source
hf	-109.77	kJ/mol	Joback Method
hvap	43.29	kJ/mol	Joback Method
log10ws	-2.24		Crippen Method
logp	2.547		Crippen Method
mcvol	167.420	ml/mol	McGowan Method
pc	1923.67	kPa	Joback Method
rinpol	1220.00		NIST Webbook
tb	517.20	K	Joback Method
tc	699.11	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R162080&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