N,N-Diethyl-N'-propylacetamidine

Other names: N,N-Diethyl-N'-propylethanimidamide
(C2H5)2N-C(CH3)=N(n-C3H7)
Ethanimidamide, N,N-diethyl-N'-propyl-
Inchi: InChI=1S/C9H20N2/c1-5-8-10-9(4)11(6-2)7-3/h5-8H2,1-4H3
InchiKey: AGZSVOCXEYHQGE-UHFFFAOYSA-N
Formula: C9H20N2
SMILES: CCCN=C(C)N(CC)CC
Mol. weight [g/mol]: 156.27
CAS: 151328-42-6

Physical Properties

Property code	Value	Unit	Source
affp	1037.90	kJ/mol	NIST Webbook
basg	1005.50	kJ/mol	NIST Webbook
hf	-89.13	kJ/mol	Joback Method
hvap	41.06	kJ/mol	Joback Method
log10ws	-1.82		Crippen Method
logp	2.157		Crippen Method
mcvol	153.330	ml/mol	McGowan Method
pc	2096.50	kPa	Joback Method
tb	494.32	K	Joback Method
tc	678.12	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C151328426&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature