

N'-Hexyl-N,N-dimethyl-acetamidine

Inchi:	InChI=1S/C10H22N2/c1-5-6-7-8-9-11-10(2)12(3)4/h5-9H2,1-4H3/b11-10+
InchiKey:	BWEYLJQZCIDMME-ZHACJKMWSA-N
Formula:	C10H22N2
SMILES:	CCCCCCN=C(C)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
mcpvol	167.420	ml/mol	McGowan Method
pc	1923.67	kPa	Joback Method
rinpol	1284.00		NIST Webbook
rinpol	1284.00		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=R153521&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

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