

N,N-Dimethyl-N'-propyl-isobutyramidine

Inchi:	InChI=1S/C9H20N2/c1-6-7-10-9(8(2)3)11(4)5/h8H,6-7H2,1-5H3/b10-9+
InchiKey:	PVALBCNUSDWWLK-MDZDMXLPSA-N
Formula:	C9H20N2
SMILES:	CCCN=C(C(C)C)N(C)C
Mol. weight [g/mol]:	156.27

Physical Properties

Property code	Value	Unit	Source
hf	-94.41	kJ/mol	Joback Method
hvap	40.68	kJ/mol	Joback Method
log10ws	-1.58		Crippen Method
logp	2.013		Crippen Method
mcvol	153.330	ml/mol	McGowan Method
pc	2111.94	kPa	Joback Method
rinpol	1065.00		NIST Webbook
rinpol	1065.00		NIST Webbook
tb	493.88	K	Joback Method
tc	681.62	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R162104&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

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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