

N,N-Dimethyl-N'-decyl-isobutyramidine

Inchi: InChI=1S/C16H34N2/c1-6-7-8-9-10-11-12-13-14-17-16(15(2)3)18(4)5/h15H,6-14H2,1-5H
InchiKey: DLOAVHDDXIBZTA-WUKNDPDISA-N
Formula: C16H34N2
SMILES: CCCCCCCCCN=C(C(C)C)N(C)C
Mol. weight [g/mol]: 254.45

Physical Properties

Property code	Value	Unit	Source
hf	-238.89	kJ/mol	Joback Method
hvap	56.26	kJ/mol	Joback Method
log10ws	-4.51		Crippen Method
logp	4.743		Crippen Method
mcvol	251.960	ml/mol	McGowan Method
pc	1232.88	kPa	Joback Method
rinpol	1789.00		NIST Webbook
tb	654.04	K	Joback Method
tc	830.60	K	Joback Method

Sources

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=R162659&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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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