N,N-Dimethyl-N'-octyl-isobutyramidine

Inchi: InChI=1S/C14H30N2/c1-6-7-8-9-10-11-12-15-14(13(2)3)16(4)5/h13H,6-12H2,1-5H3
InchiKey: LIASDRFAWHBXTM-UHFFFAOYSA-N
Formula: C14H30N2
SMILES: CCCCCCCCN=C(C(C)C)N(C)C
Mol. weight [g/mol]: 226.40

Physical Properties

Property code	Value	Unit	Source
hf	-197.61	kJ/mol	Joback Method
hvap	51.81	kJ/mol	Joback Method
log10ws	-3.67		Crippen Method
logp	3.963		Crippen Method
mcvol	223.780	ml/mol	McGowan Method
pc	1417.57	kPa	Joback Method
tb	608.28	K	Joback Method
tc	786.87	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R162733&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature