N,N-Dimethyl-N'-butyl-isobutyramidine

Inchi: InChI=1S/C10H22N2/c1-6-7-8-11-10(9(2)3)12(4)5/h9H,6-8H2,1-5H3/b11-10+
InchiKey: PNCFMEMCGFYVJL-ZHACJKMWSA-N
Formula: C10H22N2
SMILES: CCCCN=C(C(C)C)N(C)C
Mol. weight [g/mol]: 170.30

Physical Properties

Property code	Value	Unit	Source
hf	-115.05	kJ/mol	Joback Method
hvap	42.90	kJ/mol	Joback Method
log10ws	-2.00		Crippen Method
logp	2.403		Crippen Method
mcvol	167.420	ml/mol	McGowan Method
pc	1937.24	kPa	Joback Method
rinpol	1176.00		NIST Webbook
rinpol	1176.00		NIST Webbook
tb	516.76	K	Joback Method
tc	702.41	K	Joback Method

Sources

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=R162619&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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