

N,N-Dimethyl-N'-butyl-propionamide

Inchi: InChI=1S/C9H20N2/c1-5-7-8-10-9(6-2)11(3)4/h5-8H2,1-4H3/b10-9+
InchiKey: HVBSZEDUGYPQAI-MDZDMXLPSA-N
Formula: C9H20N2
SMILES: CCCCN=C(CC)N(C)C
Mol. weight [g/mol]: 156.27

Physical Properties

Property code	Value	Unit	Source
hf	-89.13	kJ/mol	Joback Method
hvap	41.06	kJ/mol	Joback Method
log10ws	-1.82		Crippen Method
logp	2.157		Crippen Method
mcvol	153.330	ml/mol	McGowan Method
pc	2096.50	kPa	Joback Method
rinpol	1161.00		NIST Webbook
rinpol	1161.00		NIST Webbook
tb	494.32	K	Joback Method
tc	678.12	K	Joback Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=R162015&Units=SI>

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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