

# N,N-Dimethyl-N'-butyl-benzamidine

Inchi:	InChI=1S/C13H20N2/c1-4-5-11-14-13(15(2)3)12-9-7-6-8-10-12/h6-10H,4-5,11H2,1-3H3/
InchiKey:	FUGRZRJVZCIDIG-BUHFOSPRSA-N
Formula:	C13H20N2
SMILES:	CCCCN=C(c1ccccc1)N(C)C
Mol. weight [g/mol]:	204.31

## Physical Properties

Property code	Value	Unit	Source
hf	64.84	kJ/mol	Joback Method
hvap	52.25	kJ/mol	Joback Method
log10ws	-2.70		Crippen Method
logp	2.795		Crippen Method
mcvol	185.930	ml/mol	McGowan Method
pc	1998.33	kPa	Joback Method
rinpol	1552.00		NIST Webbook
tb	612.52	K	Joback Method
tc	825.86	K	Joback Method

## Sources

Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
Joback Method:	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R159094&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R159094&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>

## Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l

<b>logP:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.chemeo.com/cid/42-279-6/N-N-Dimethyl-N-butyl-benzamidine.pdf>

Generated by Cheméo on 2024-04-10 14:16:57.137047693 +0000 UTC m=+15047866.057625008.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.