

N,N-Dimethyl-N'-benzyl-benzamidine

Inchi:	InChI=1S/C16H18N2/c1-18(2)16(15-11-7-4-8-12-15)17-13-14-9-5-3-6-10-14/h3-12H,13H
InchiKey:	GDWZMNCEOPPGNI-WUKNDPDISA-N
Formula:	C16H18N2
SMILES:	CN(C)C(=NCc1ccccc1)c1ccccc1
Mol. weight [g/mol]:	238.33

Physical Properties

Property code	Value	Unit	Source
hf	239.45	kJ/mol	Joback Method
hvap	61.20	kJ/mol	Joback Method
log10ws	-3.55		Crippen Method
logp	3.195		Crippen Method
mcvol	204.440	ml/mol	McGowan Method
pc	2077.43	kPa	Joback Method
rinpol	1943.00		NIST Webbook
rinpol	1943.00		NIST Webbook
tb	707.84	K	Joback Method
tc	952.00	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=R159054&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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