

N,N-Dimethyl-N'-(4-bromophenyl)-benzamidine

Inchi:	InChI=1S/C15H15BrN2/c1-18(2)15(12-6-4-3-5-7-12)17-14-10-8-13(16)9-11-14/h3-11H,1
InchiKey:	YFZSAQWSLPWWMC-UHFFFAOYSA-N
Formula:	C15H15BrN2
SMILES:	CN(C)C(=Nc1ccc(Br)cc1)c1ccccc1
Mol. weight [g/mol]:	303.20

Physical Properties

Property code	Value	Unit	Source
hf	274.95	kJ/mol	Joback Method
hvap	66.07	kJ/mol	Joback Method
log10ws	-4.40		Crippen Method
logp	4.089		Crippen Method
mcpvol	207.850	ml/mol	McGowan Method
pc	2393.53	kPa	Joback Method
rinpol	2160.00		NIST Webbook
tb	756.10	K	Joback Method
tc	1016.54	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=R158813&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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