

# N,N-Dimethyl-N'-(4-bromophenyl)-p-chlorobenzamide

**Inchi:** InChI=1S/C15H14BrClN2/c1-19(2)15(11-3-7-13(17)8-4-11)18-14-9-5-12(16)6-10-14/h3-14  
**InchiKey:** ZRKWKSHPXQBWAQ-OBGWFSINSA-N  
**Formula:** C15H14BrClN2  
**SMILES:** CN(C)C(=Nc1ccc(Br)cc1)c1ccc(Cl)cc1  
**Mol. weight [g/mol]:** 337.64

## Physical Properties

Property code	Value	Unit	Source
hf	247.74	kJ/mol	Joback Method
hvap	71.12	kJ/mol	Joback Method
log10ws	-5.09		Crippen Method
logp	4.742		Crippen Method
mcvol	220.090	ml/mol	McGowan Method
pc	2276.24	kPa	Joback Method
rinpol	2321.00		NIST Webbook
tb	798.51	K	Joback Method
tc	1061.15	K	Joback Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R158828&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## 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.cheméo.com/cid/67-503-9/N-N-Dimethyl-N-4-bromophenyl-p-chlorobenzamidine.pdf>

Generated by Cheméo on 2024-03-20 11:09:14.277088147 +0000 UTC m=+13222203.197665465.

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