

# N-(4-Methylphenyl)-N'-(4-bromophenyl)formamidi

**Inchi:** InChI=1S/C14H13BrN2/c1-11-2-6-13(7-3-11)16-10-17-14-8-4-12(15)5-9-14/h2-10H,1H3,  
**InchiKey:** URSSIIKIQXVTEU-UHFFFAOYSA-N  
**Formula:** C14H13BrN2  
**SMILES:** Cc1ccc(NC=Nc2ccc(Br)cc2)cc1  
**Mol. weight [g/mol]:** 289.17

## Physical Properties

Property code	Value	Unit	Source
hf	279.85	kJ/mol	Joback Method
hvap	68.82	kJ/mol	Joback Method
log10ws	-4.99		Crippen Method
logp	4.529		Crippen Method
mcvol	193.760	ml/mol	McGowan Method
pc	2621.78	kPa	Joback Method
rinpol	2406.00		NIST Webbook
rinpol	2406.00		NIST Webbook
tb	776.05	K	Joback Method
tc	1039.03	K	Joback Method

## Sources

**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R161641&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions

<b>log10ws:</b>	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

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