

# N-(3-Methoxyphenyl)-N'-(3-ethoxyphenyl)formami

**Inchi:** InChI=1S/C16H18N2O2/c1-3-20-16-9-5-7-14(11-16)18-12-17-13-6-4-8-15(10-13)19-2/h4  
**InchiKey:** TXOLMXHWZVRSHY-UHFFFAOYSA-N  
**Formula:** C16H18N2O2  
**SMILES:** CCOc1cccc(N=CNc2cccc(OC)c2)c1  
**Mol. weight [g/mol]:** 270.33

## Physical Properties

Property code	Value	Unit	Source
hf	-52.20	kJ/mol	Joback Method
hvap	71.66	kJ/mol	Joback Method
log10ws	-4.01		Crippen Method
logp	3.866		Crippen Method
mcvol	216.180	ml/mol	McGowan Method
pc	1978.82	kPa	Joback Method
rinpol	2550.00		NIST Webbook
rinpol	2550.00		NIST Webbook
tb	800.49	K	Joback Method
tc	1036.58	K	Joback Method

## Sources

**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R161547&Units=SI>

## 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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