

# N,N-bis-(3-Methoxyphenyl)formamidine

**Inchi:** InChI=1S/C15H16N2O2/c1-18-14-7-3-5-12(9-14)16-11-17-13-6-4-8-15(10-13)19-2/h3-11  
**InchiKey:** JWVVVLINNEKRQNI-UHFFFAOYSA-N  
**Formula:** C15H16N2O2  
**SMILES:** COc1cccc(N=CNc2cccc(OC)c2)c1  
**Mol. weight [g/mol]:** 256.30

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| hf            | -31.56  | kJ/mol | Joback Method  |
| hvap          | 69.43   | kJ/mol | Joback Method  |
| log10ws       | -3.60   |        | Crippen Method |
| logp          | 3.476   |        | Crippen Method |
| mcvol         | 202.090 | ml/mol | McGowan Method |
| pc            | 2159.31 | kPa    | Joback Method  |
| rinsol        | 2477.00 |        | NIST Webbook   |
| rinsol        | 2477.00 |        | NIST Webbook   |
| tb            | 777.61  | K      | Joback Method  |
| tc            | 1017.94 | K      | Joback Method  |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=R161770&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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