

N,N-Dimethyl-N'-(4-methoxyphenyl)-p-methoxybenzaldehyde

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|----------------------|--|
| Inchi: | InChI=1S/C17H20N2O2/c1-19(2)17(13-5-9-15(20-3)10-6-13)18-14-7-11-16(21-4)12-8-14 |
| InchiKey: | AWWUTXIJVXFDOB-UHFFFAOYSA-N |
| Formula: | C17H20N2O2 |
| SMILES: | COc1ccc(N=C(c2ccc(OC)cc2)N(C)C)cc1 |
| Mol. weight [g/mol]: | 284.35 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| hf | -68.57 | kJ/mol | Joback Method |
| hvap | 69.57 | kJ/mol | Joback Method |
| log10ws | -3.48 | | Crippen Method |
| logp | 3.344 | | Crippen Method |
| mcvol | 230.270 | ml/mol | McGowan Method |
| pc | 1804.63 | kPa | Joback Method |
| rinpol | 2265.00 | | NIST Webbook |
| rinpol | 2265.00 | | NIST Webbook |
| tb | 785.52 | K | Joback Method |
| tc | 1019.73 | 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 |
| 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=R158957&Units=SI |

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 |
| mvol: | McGowan's characteristic volume |
| pc: | Critical Pressure |
| rinpol: | Non-polar retention indices |
| tb: | Normal Boiling Point Temperature |
| tc: | Critical Temperature |

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<https://www.chemeo.com/cid/60-980-7/N-N-Dimethyl-N-4-methoxyphenyl-p-methoxybenzamidine.pdf>

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