

N,N-Dimethyl-N'-phenyl-p-methylbenzamidine

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|----------------------|---|
| Inchi: | InChI=1S/C16H18N2/c1-13-9-11-14(12-10-13)16(18(2)3)17-15-7-5-4-6-8-15/h4-12H,1-3H |
| InchiKey: | XZNFUAOBRNAXMV-UHFFFAOYSA-N |
| Formula: | C16H18N2 |
| SMILES: | Cc1ccc(C(=Nc2ccccc2)N(C)C)cc1 |
| Mol. weight [g/mol]: | 238.33 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| hf | 227.98 | kJ/mol | Joback Method |
| hvap | 61.86 | kJ/mol | Joback Method |
| log10ws | -3.72 | | Crippen Method |
| logp | 3.635 | | Crippen Method |
| mcvol | 204.440 | ml/mol | McGowan Method |
| pc | 2049.31 | kPa | Joback Method |
| rinpol | 1909.00 | | NIST Webbook |
| tb | 712.82 | K | Joback Method |
| tc | 957.80 | K | Joback Method |

Sources

| | |
|-----------------|---|
| 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=R159445&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |

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

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