# N,N-Dimethyl-2-phenyl-N'-phenyl-acetamidine

**Inchi:** InChI=1S/C16H18N2/c1-18(2)16(13-14-9-5-3-6-10-14)17-15-11-7-4-8-12-15/h3-12H,13H
**InchiKey:** RZKJCPRHDYNNQC-UHFFFAOYSA-N
**Formula:** C16H18N2
**SMILES:** CN(C)C(Cc1ccccc1)=Nc1ccccc1
**Mol. weight [g/mol]:** 238.33

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 239.45 | kJ/mol | Joback Method |
| hvap | 61.20 | kJ/mol | Joback Method |
| log10ws | -3.56 | | Crippen Method |
| logp | 3.521 | | Crippen Method |
| mcvol | 204.440 | ml/mol | McGowan Method |
| pc | 2077.43 | kPa | Joback Method |
| rinpol | 2056.00 | | NIST Webbook |
| rinpol | 2056.00 | | NIST Webbook |
| tb | 707.84 | K | Joback Method |
| tc | 952.00 | 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
**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=R162337&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 |
| **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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