# p-Dimethylaminobenzylidene p-anisidine

**Inchi:** InChI=1S/C16H18N2O/c1-18(2)15-8-4-13(5-9-15)12-17-14-6-10-16(19-3)11-7-14/h4-12H
**InchiKey:** KBXXRLKOQDYBQW-UHFFFAOYSA-N
**Formula:** C16H18N2O
**SMILES:** COc1ccc(N=Cc2ccc(N(C)C)cc2)cc1
**Mol. weight [g/mol]:** 254.33
**CAS:** 1749-04-8

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 94.08 | kJ/mol | Joback Method |
| hvap | 64.85 | kJ/mol | Joback Method |
| log10ws | -3.37 | | Crippen Method |
| logp | 3.512 | | Crippen Method |
| mcvol | 210.310 | ml/mol | McGowan Method |
| pc | 1982.35 | kPa | Joback Method |
| tb | 740.34 | K | Joback Method |
| tc | 978.46 | K | Joback Method |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C1749048&Units=SI
**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

## 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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |