# N,N-Dimethyl-N'-(4-ethoxyphenyl)-p-methylbenzar

**Inchi:** InChI=1S/C18H22N2O/c1-5-21-17-12-10-16(11-13-17)19-18(20(3)4)15-8-6-14(2)7-9-15/h
**InchiKey:** PHKKRAHXYFVPPN-UHFFFAOYSA-N
**Formula:** C18H22N2O
**SMILES:** CCOc1ccc(N=C(c2ccc(C)cc2)N(C)C)cc1
**Mol. weight [g/mol]:** 282.38

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 43.01 | kJ/mol | Joback Method |
| hvap | 69.39 | kJ/mol | Joback Method |
| log10ws | -4.25 | | Crippen Method |
| logp | 4.034 | | Crippen Method |
| mcvol | 238.490 | ml/mol | McGowan Method |
| pc | 1689.34 | kPa | Joback Method |
| rinpol | 2171.00 | | NIST Webbook |
| tb | 785.98 | K | Joback Method |
| tc | 1019.13 | K | Joback Method |

## Sources

**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=R158922&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## 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 |