# N,n-dimethyl-p-1-naphthylazoaniline

**Inchi:** InChI=1S/C18H17N3/c1-21(2)16-12-10-15(11-13-16)19-20-18-9-5-7-14-6-3-4-8-17(14)18
**InchiKey:** RKGIHRYVFSZPKN-FMQUCBEESA-N
**Formula:** C18H17N3
**SMILES:** CN(C)c1ccc(N=Nc2cccc3ccccc23)cc1
**Mol. weight [g/mol]:** 275.35
**CAS:** 607-59-0

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 341.09 | kJ/mol | Joback Method |
| hvap | 71.89 | kJ/mol | Joback Method |
| log10ws | -5.22 | | Crippen Method |
| logp | 5.321 | | Crippen Method |
| mcvol | 223.140 | ml/mol | McGowan Method |
| pc | 1837.26 | kPa | Joback Method |
| tb | 855.18 | K | Joback Method |
| tc | 1115.96 | 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=C607590&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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |