# N-ethyl-p-Ethylaniline

**Inchi:** InChI=1S/C10H15N/c1-3-9-5-7-10(8-6-9)11-4-2/h5-8,11H,3-4H2,1-2H3
**InchiKey:** FULYIGBEGXLDLX-UHFFFAOYSA-N
**Formula:** C10H15N
**SMILES:** CCNc1ccc(CC)cc1
**Mol. weight [g/mol]:** 149.23

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 225.49 | kJ/mol | Joback Method |
| hf | 28.80 | kJ/mol | Joback Method |
| hfus | 20.41 | kJ/mol | Joback Method |
| hvap | 47.23 | kJ/mol | Joback Method |
| log10ws | -2.70 | | Crippen Method |
| logp | 2.681 | | Crippen Method |
| mcvol | 137.980 | ml/mol | McGowan Method |
| pc | 2925.00 | kPa | Joback Method |
| ripol | 1917.60 | | NIST Webbook |
| ripol | 1917.60 | | NIST Webbook |
| tb | 510.03 | K | Joback Method |
| tc | 717.55 | K | Joback Method |
| tf | 294.06 | K | Joback Method |
| vc | 0.522 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 304.88 | J/mol×K | 510.03 | Joback Method |
| cpg | 319.71 | J/mol×K | 544.62 | Joback Method |
| cpg | 333.73 | J/mol×K | 579.20 | Joback Method |
| cpg | 346.97 | J/mol×K | 613.79 | Joback Method |
| cpg | 359.46 | J/mol×K | 648.38 | Joback Method |
| cpg | 371.22 | J/mol×K | 682.97 | Joback Method |
| cpg | 382.30 | J/mol×K | 717.55 | 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=R246514&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# Legend

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **gf:** | Standard Gibbs free energy of formation |
| **hf:** | Enthalpy of formation at standard conditions |
| **hfus:** | Enthalpy of fusion 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 |
| **ripol:** | Polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |