# Piperidin, 2e-methyl

**Inchi:** InChI=1S/C6H13N/c1-6-4-2-3-5-7-6/h6-7H,2-5H2,1H3/t6-/m1/s1
**InchiKey:** NNWUEBIEOFQMSS-ZCFIWIBFSA-N
**Formula:** C6H13N
**SMILES:** CC1CCCCN1
**Mol. weight [g/mol]:** 99.17

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 111.80 | kJ/mol | Joback Method |
| hf | -75.04 | kJ/mol | Joback Method |
| hfus | 12.72 | kJ/mol | Joback Method |
| hvap | 36.14 | kJ/mol | Joback Method |
| log10ws | -1.53 | | Crippen Method |
| logp | 1.148 | | Crippen Method |
| mcvol | 94.520 | ml/mol | McGowan Method |
| pc | 4088.15 | kPa | Joback Method |
| rinpol | 801.00 | | NIST Webbook |
| rinpol | 801.00 | | NIST Webbook |
| tb | 404.78 | K | Joback Method |
| tc | 618.71 | K | Joback Method |
| tf | 269.79 | K | Joback Method |
| vc | 0.342 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 174.55 | J/mol×K | 404.78 | Joback Method |
| cpg | 189.85 | J/mol×K | 440.43 | Joback Method |
| cpg | 204.46 | J/mol×K | 476.09 | Joback Method |
| cpg | 218.38 | J/mol×K | 511.74 | Joback Method |
| cpg | 231.63 | J/mol×K | 547.40 | Joback Method |
| cpg | 244.20 | J/mol×K | 583.05 | Joback Method |
| cpg | 256.13 | J/mol×K | 618.71 | 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=R120348&Units=SI |

# Legend

| | |
|---|---|
| **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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |