# N-phenethyl-2-norbornanamine

**Inchi:** InChI=1S/C15H21N/c1-2-4-12(5-3-1)8-9-16-15-11-13-6-7-14(15)10-13/h1-5,13-16H,6-11
**InchiKey:** UOJWJKSWEPSVQD-UHFFFAOYSA-N
**Formula:** C15H21N
**SMILES:** c1ccc(CCNC2CC3CCC2C3)cc1
**Mol. weight [g/mol]:** 215.33
**CAS:** 4935-80-2

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 378.91 | kJ/mol | Joback Method |
| hf | 56.17 | kJ/mol | Joback Method |
| hfus | 28.99 | kJ/mol | Joback Method |
| hvap | 57.38 | kJ/mol | Joback Method |
| log10ws | -3.81 | | Crippen Method |
| logp | 3.007 | | Crippen Method |
| mcvol | 186.710 | ml/mol | McGowan Method |
| pc | 2351.92 | kPa | Joback Method |
| tb | 632.53 | K | Joback Method |
| tc | 858.78 | K | Joback Method |
| tf | 366.01 | K | Joback Method |
| vc | 0.708 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 527.24 | J/mol×K | 632.53 | Joback Method |
| cpg | 548.07 | J/mol×K | 670.24 | Joback Method |
| cpg | 567.42 | J/mol×K | 707.95 | Joback Method |
| cpg | 585.41 | J/mol×K | 745.65 | Joback Method |
| cpg | 602.14 | J/mol×K | 783.36 | Joback Method |
| cpg | 617.73 | J/mol×K | 821.07 | Joback Method |
| cpg | 632.28 | J/mol×K | 858.78 | 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=C4935802&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# 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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |