# 2-Propen-1-amine, N-ethyl-N-methyl-

**Other names:** 2-Propeneamine, N-ethyl-N-methyl
**Inchi:** InChI=1S/C6H13N/c1-4-6-7(3)5-2/h4H,1,5-6H2,2-3H3
**InchiKey:** LQVWXFHNYICENT-UHFFFAOYSA-N
**Formula:** C6H13N
**SMILES:** C=CCN(C)CC
**Mol. weight [g/mol]:** 99.17
**CAS:** 107995-54-0

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 198.26 | kJ/mol | Joback Method |
| hf | 25.79 | kJ/mol | Joback Method |
| hfus | 13.04 | kJ/mol | Joback Method |
| hvap | 30.32 | kJ/mol | Joback Method |
| log10ws | -0.76 | | Crippen Method |
| logp | 1.124 | | Crippen Method |
| mcvol | 101.080 | ml/mol | McGowan Method |
| pc | 3250.43 | kPa | Joback Method |
| rinpol | 668.00 | | NIST Webbook |
| rinpol | 668.00 | | NIST Webbook |
| tb | 345.80 | K | Joback Method |
| tc | 511.63 | K | Joback Method |
| tf | 188.09 | K | Joback Method |
| vc | 0.370 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 170.48 | J/mol×K | 345.80 | Joback Method |
| cpg | 181.74 | J/mol×K | 373.44 | Joback Method |
| cpg | 192.52 | J/mol×K | 401.08 | Joback Method |
| cpg | 202.85 | J/mol×K | 428.71 | Joback Method |
| cpg | 212.73 | J/mol×K | 456.35 | Joback Method |
| cpg | 222.19 | J/mol×K | 483.99 | Joback Method |

| | | | | |
|---|---|---|---|---|
| cpg | 231.23 | J/mol×K | 511.63 | 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=C107995540&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 |