# 2-(N-Ethyl-N-toluidino)ethanol, methyl ether

**Inchi:** InChI=1S/C12H19NO/c1-4-13(8-9-14-3)12-7-5-6-11(2)10-12/h5-7,10H,4,8-9H2,1-3H3
**InchiKey:** QCQGUVVRXARGPG-UHFFFAOYSA-N
**Formula:** C12H19NO
**SMILES:** CCN(CCOC)c1cccc(C)c1
**Mol. weight [g/mol]:** 193.29

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 158.72 | kJ/mol | Joback Method |
| hf | -130.64 | kJ/mol | Joback Method |
| hfus | 24.70 | kJ/mol | Joback Method |
| hvap | 49.70 | kJ/mol | Joback Method |
| log10ws | -2.20 | | Crippen Method |
| logp | 2.468 | | Crippen Method |
| mcvol | 172.030 | ml/mol | McGowan Method |
| pc | 2327.03 | kPa | Joback Method |
| rinpol | 1508.10 | | NIST Webbook |
| tb | 540.48 | K | Joback Method |
| tc | 736.72 | K | Joback Method |
| tf | 318.64 | K | Joback Method |
| vc | 0.635 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 407.81 | J/mol×K | 540.48 | Joback Method |
| cpg | 424.51 | J/mol×K | 573.19 | Joback Method |
| cpg | 440.36 | J/mol×K | 605.89 | Joback Method |
| cpg | 455.38 | J/mol×K | 638.60 | Joback Method |
| cpg | 469.60 | J/mol×K | 671.31 | Joback Method |
| cpg | 483.05 | J/mol×K | 704.01 | Joback Method |
| cpg | 495.74 | J/mol×K | 736.72 | Joback Method |

# Sources

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|---|---|
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=U333798&Units=SI |
| **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 |

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