# Cyclopropanecarboxamide, N-ethyl-N-(3-methylphenyl)-

**Inchi:** InChI=1S/C13H17NO/c1-3-14(13(15)11-7-8-11)12-6-4-5-10(2)9-12/h4-6,9,11H,3,7-8H2,1

**InchiKey:** XDTGDCZVKTYWSO-UHFFFAOYSA-N

**Formula:** C13H17NO

**SMILES:** CCN(C(=O)C1CC1)c1cccc(C)c1

**Mol. weight [g/mol]:** 203.28

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 203.97 | kJ/mol | Joback Method |
| hf | -58.84 | kJ/mol | Joback Method |
| hfus | 25.83 | kJ/mol | Joback Method |
| hvap | 56.17 | kJ/mol | Joback Method |
| log10ws | -2.96 | | Crippen Method |
| logp | 2.758 | | Crippen Method |
| mcvol | 170.960 | ml/mol | McGowan Method |
| pc | 2605.74 | kPa | Joback Method |
| rinpol | 1584.00 | | NIST Webbook |
| rinpol | 1584.00 | | NIST Webbook |
| tb | 601.55 | K | Joback Method |
| tc | 819.00 | K | Joback Method |
| tf | 375.55 | K | Joback Method |
| vc | 0.636 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 439.49 | J/mol×K | 601.55 | Joback Method |
| cpg | 456.47 | J/mol×K | 637.79 | Joback Method |
| cpg | 472.29 | J/mol×K | 674.03 | Joback Method |
| cpg | 487.03 | J/mol×K | 710.27 | Joback Method |
| cpg | 500.77 | J/mol×K | 746.52 | Joback Method |
| cpg | 513.57 | J/mol×K | 782.76 | Joback Method |
| cpg | 525.53 | J/mol×K | 819.00 | Joback Method |

# Sources

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|---|---|
| **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=U308576&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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |