# N,N-Dimethylcyclopropanecarboxamide

**Inchi:** InChI=1S/C6H11NO/c1-7(2)6(8)5-3-4-5/h5H,3-4H2,1-2H3
**InchiKey:** DVQLGAFYVKJEDE-UHFFFAOYSA-N
**Formula:** C6H11NO
**SMILES:** CN(C)C(=O)C1CC1
**Mol. weight [g/mol]:** 113.16
**CAS:** 17696-23-0

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 42.25 | kJ/mol | Joback Method |
| hf | -139.42 | kJ/mol | Joback Method |
| hfus | 14.05 | kJ/mol | Joback Method |
| hvap | 37.65 | kJ/mol | Joback Method |
| log10ws | -0.33 | | Crippen Method |
| logp | 0.485 | | Crippen Method |
| mcvol | 96.090 | ml/mol | McGowan Method |
| pc | 3891.64 | kPa | Joback Method |
| tb | 409.73 | K | Joback Method |
| tc | 600.80 | K | Joback Method |
| tf | 257.72 | K | Joback Method |
| vc | 0.352 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 189.49 | J/mol×K | 409.73 | Joback Method |
| cpg | 202.16 | J/mol×K | 441.58 | Joback Method |
| cpg | 214.08 | J/mol×K | 473.42 | Joback Method |
| cpg | 225.29 | J/mol×K | 505.27 | Joback Method |
| cpg | 235.83 | J/mol×K | 537.11 | Joback Method |
| cpg | 245.74 | J/mol×K | 568.96 | Joback Method |
| cpg | 255.04 | J/mol×K | 600.80 | Joback Method |

# Pressure Dependent Properties

| Property code | Value | Unit | Pressure [kPa] | Source |
|---|---|---|---|---|
| tbrp | 379.00 ± 1.00 | K | 3.30 | NIST Webbook |

# Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C17696230&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 |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |

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