# Cyclopropane, 1,1-dimethyl-2-methylene-

**Inchi:** InChI=1S/C6H10/c1-5-4-6(5,2)3/h1,4H2,2-3H3
**InchiKey:** JLXPBJLFVFPFOJ-UHFFFAOYSA-N
**Formula:** C6H10
**SMILES:** C=C1CC1(C)C
**Mol. weight [g/mol]:** 82.14
**CAS:** 4372-94-5

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 107.98 | kJ/mol | Joback Method |
| hf | 5.11 | kJ/mol | Joback Method |
| hfus | 1.97 | kJ/mol | Joback Method |
| hvap | 27.87 | kJ/mol | Joback Method |
| log10ws | -1.84 | | Crippen Method |
| logp | 1.973 | | Crippen Method |
| mcvol | 80.240 | ml/mol | McGowan Method |
| pc | 3906.25 | kPa | Joback Method |
| tb | 342.82 | K | Joback Method |
| tc | 531.51 | K | Joback Method |
| tf | 212.90 | K | Joback Method |
| vc | 0.310 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 131.82 | J/mol×K | 342.82 | Joback Method |
| cpg | 143.57 | J/mol×K | 374.27 | Joback Method |
| cpg | 154.38 | J/mol×K | 405.72 | Joback Method |
| cpg | 164.31 | J/mol×K | 437.16 | Joback Method |
| cpg | 173.45 | J/mol×K | 468.61 | Joback Method |
| cpg | 181.88 | J/mol×K | 500.06 | Joback Method |
| cpg | 189.67 | J/mol×K | 531.51 | 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=C4372945&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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |

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