# 1-methyl-1-(2,3-methylene)propyl-cyclopropane

**Inchi:** InChI=1S/C8H14/c1-8(4-5-8)6-7-2-3-7/h7H,2-6H2,1H3
**InchiKey:** DYIGSOOHRXOBCZ-UHFFFAOYSA-N
**Formula:** C8H14
**SMILES:** CC1(CC2CC2)CC1
**Mol. weight [g/mol]:** 110.20

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 132.49 | kJ/mol | Joback Method |
| hf | -47.61 | kJ/mol | Joback Method |
| hfus | 6.45 | kJ/mol | Joback Method |
| hvap | 32.08 | kJ/mol | Joback Method |
| log10ws | -2.48 | | Crippen Method |
| logp | 2.587 | | Crippen Method |
| mcvol | 101.860 | ml/mol | McGowan Method |
| pc | 3538.87 | kPa | Joback Method |
| rinpol | 781.80 | | NIST Webbook |
| rinpol | 781.80 | | NIST Webbook |
| rinpol | 778.00 | | NIST Webbook |
| tb | 396.16 | K | Joback Method |
| tc | 598.18 | K | Joback Method |
| tf | 239.70 | K | Joback Method |
| vc | 0.396 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 201.76 | J/mol×K | 396.16 | Joback Method |
| cpg | 218.98 | J/mol×K | 429.83 | Joback Method |
| cpg | 234.75 | J/mol×K | 463.50 | Joback Method |
| cpg | 249.22 | J/mol×K | 497.17 | Joback Method |
| cpg | 262.50 | J/mol×K | 530.84 | Joback Method |
| cpg | 274.75 | J/mol×K | 564.51 | Joback Method |
| cpg | 286.09 | J/mol×K | 598.18 | Joback Method |

# Sources

| | |
|---|---|
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=R137178&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 |