# m-Cymen-8-ol

**Inchi:** InChI=1S/C10H14O/c1-8-5-4-6-9(7-8)10(2,3)11/h4-7,11H,1-3H3
**InchiKey:** NARIBLVZTLPQJB-UHFFFAOYSA-N
**Formula:** C10H14O
**SMILES:** Cc1cccc(C(C)(C)O)c1
**Mol. weight [g/mol]:** 150.22
**CAS:** 5208-37-7

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 2.12 | kJ/mol | Joback Method |
| hf | -185.65 | kJ/mol | Joback Method |
| hfus | 11.98 | kJ/mol | Joback Method |
| hvap | 56.18 | kJ/mol | Joback Method |
| log10ws | -2.60 | | Crippen Method |
| logp | 2.222 | | Crippen Method |
| mcvol | 133.870 | ml/mol | McGowan Method |
| pc | 3261.58 | kPa | Joback Method |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1160.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1182.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1187.00 | | NIST Webbook |
| rinpol | 1185.00 | | NIST Webbook |
| rinpol | 1185.80 | | NIST Webbook |
| rinpol | 1185.80 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1153.00 | | NIST Webbook |
| rinpol | 1155.00 | | NIST Webbook |
| rinpol | 1169.00 | | NIST Webbook |
| rinpol | 1155.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1187.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |

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|---|---|---|---|
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1148.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1170.00 | | NIST Webbook |
| rinpol | 1187.00 | | NIST Webbook |
| rinpol | 1180.00 | | NIST Webbook |
| rinpol | 1182.00 | | NIST Webbook |
| rinpol | 1185.00 | | NIST Webbook |
| rinpol | 1155.00 | | NIST Webbook |
| rinpol | 1185.00 | | NIST Webbook |
| ripol | 1838.00 | | NIST Webbook |
| ripol | 1849.00 | | NIST Webbook |
| ripol | 1838.00 | | NIST Webbook |
| ripol | 1856.00 | | NIST Webbook |
| ripol | 1804.00 | | NIST Webbook |
| ripol | 1804.00 | | NIST Webbook |
| ripol | 1843.00 | | NIST Webbook |
| ripol | 1845.00 | | NIST Webbook |
| ripol | 1804.00 | | NIST Webbook |
| ripol | 1856.00 | | NIST Webbook |
| ripol | 1856.00 | | NIST Webbook |
| tb | 548.81 | K | Joback Method |
| tc | 753.86 | K | Joback Method |
| tf | 304.64 | K | Joback Method |
| vc | 0.495 | m3/kmol | Joback Method |

# Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 314.88 | J/mol×K | 548.81 | Joback Method |
| cpg | 327.90 | J/mol×K | 582.98 | Joback Method |
| cpg | 340.09 | J/mol×K | 617.16 | Joback Method |
| cpg | 351.49 | J/mol×K | 651.33 | Joback Method |
| cpg | 362.17 | J/mol×K | 685.51 | Joback Method |
| cpg | 372.15 | J/mol×K | 719.68 | Joback Method |
| cpg | 381.49 | J/mol×K | 753.86 | Joback Method |
| dvisc | 0.0100992 | Pa×s | 304.64 | Joback Method |
| dvisc | 0.0029353 | Pa×s | 345.34 | Joback Method |
| dvisc | 0.0011070 | Pa×s | 386.03 | Joback Method |
| dvisc | 0.0005029 | Pa×s | 426.73 | Joback Method |

| | | | | |
|---|---|---|---|---|
| dvisc | 0.0002621 | Pa×s | 467.42 | Joback Method |
| dvisc | 0.0001516 | Pa×s | 508.12 | Joback Method |
| dvisc | 0.0000951 | Pa×s | 548.81 | 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=C5208377&Units=SI |

# Legend

| | |
|---|---|
| **cpg:** | Ideal gas heat capacity |
| **dvisc:** | Dynamic viscosity |
| **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 |
| **ripol:** | Polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |