# p-Menth-3-en-8-ol

**Other names:** para-Menth-3-en-8-ol
**Inchi:** InChI=1S/C10H18O/c1-8-4-6-9(7-5-8)10(2,3)11/h6,8,11H,4-5,7H2,1-3H3
**InchiKey:** HMXMWOXFKFLOGK-UHFFFAOYSA-N
**Formula:** C10H18O
**SMILES:** CC1CC=C(C(C)(C)O)CC1
**Mol. weight [g/mol]:** 154.25
**CAS:** 24302-23-6

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -55.88 | kJ/mol | Joback Method |
| hf | -310.08 | kJ/mol | Joback Method |
| hfus | 11.00 | kJ/mol | Joback Method |
| hvap | 54.62 | kJ/mol | Joback Method |
| log10ws | -2.89 | | Crippen Method |
| logp | 2.504 | | Crippen Method |
| mcvol | 142.470 | ml/mol | McGowan Method |
| pc | 2950.48 | kPa | Joback Method |
| rinpol | 1147.00 | | NIST Webbook |
| rinpol | 1140.00 | | NIST Webbook |
| rinpol | 1149.00 | | NIST Webbook |
| rinpol | 1113.00 | | NIST Webbook |
| rinpol | 1140.00 | | NIST Webbook |
| rinpol | 1140.00 | | NIST Webbook |
| rinpol | 1140.00 | | NIST Webbook |
| ripol | 1600.00 | | NIST Webbook |
| ripol | 1600.00 | | NIST Webbook |
| ripol | 1621.00 | | NIST Webbook |
| tb | 540.84 | K | Joback Method |
| tc | 740.92 | K | Joback Method |
| tf | 286.36 | K | Joback Method |
| vc | 0.522 | m3/kmol | Joback Method |

# Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 353.52 | J/mol×K | 540.84 | Joback Method |
| cpg | 369.52 | J/mol×K | 574.19 | Joback Method |
| cpg | 384.60 | J/mol×K | 607.53 | Joback Method |
| cpg | 398.78 | J/mol×K | 640.88 | Joback Method |
| cpg | 412.12 | J/mol×K | 674.23 | Joback Method |
| cpg | 424.66 | J/mol×K | 707.57 | Joback Method |
| cpg | 436.42 | J/mol×K | 740.92 | Joback Method |
| dvisc | 0.0209502 | Pa×s | 286.36 | Joback Method |
| dvisc | 0.0049794 | Pa×s | 328.77 | Joback Method |
| dvisc | 0.0016435 | Pa×s | 371.19 | Joback Method |
| dvisc | 0.0006809 | Pa×s | 413.60 | Joback Method |
| dvisc | 0.0003324 | Pa×s | 456.01 | Joback Method |
| dvisc | 0.0001833 | Pa×s | 498.43 | Joback Method |
| dvisc | 0.0001110 | Pa×s | 540.84 | Joback Method |

# Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C24302236&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

**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 |