# p-Mentha-2,6-dien-8-ol, acetate

**Other names:** p-Mentha-2,6-dien-8-yl, acetate
**Inchi:** InChI=1S/C12H18O2/c1-9-5-7-11(8-6-9)12(3,4)14-10(2)13/h5-7,11H,8H2,1-4H3
**InchiKey:** MOWPKBJNIRETRJ-UHFFFAOYSA-N
**Formula:** C12H18O2
**SMILES:** CC(=O)OC(C)(C)C1C=CC(C)=CC1
**Mol. weight [g/mol]:** 194.27

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -106.18 | kJ/mol | Joback Method |
| hf | -386.15 | kJ/mol | Joback Method |
| hfus | 16.10 | kJ/mol | Joback Method |
| hvap | 51.84 | kJ/mol | Joback Method |
| log10ws | -3.18 | | Crippen Method |
| logp | 2.850 | | Crippen Method |
| mcvol | 167.920 | ml/mol | McGowan Method |
| pc | 2395.87 | kPa | Joback Method |
| rinpol | 1292.00 | | NIST Webbook |
| rinpol | 1292.00 | | NIST Webbook |
| tb | 569.87 | K | Joback Method |
| tc | 786.36 | K | Joback Method |
| tf | 321.00 | K | Joback Method |
| vc | 0.625 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 418.41 | J/mol×K | 569.87 | Joback Method |
| cpg | 496.50 | J/mol×K | 750.28 | Joback Method |
| cpg | 482.91 | J/mol×K | 714.20 | Joback Method |
| cpg | 468.34 | J/mol×K | 678.11 | Joback Method |
| cpg | 452.76 | J/mol×K | 642.03 | Joback Method |
| cpg | 436.13 | J/mol×K | 605.95 | Joback Method |
| cpg | 509.15 | J/mol×K | 786.36 | Joback Method |

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|---|---|---|---|---|
| dvisc | 0.0001858 | Pa×s | 569.87 | Joback Method |
| dvisc | 0.0002424 | Pa×s | 528.39 | Joback Method |
| dvisc | 0.0003309 | Pa×s | 486.91 | Joback Method |
| dvisc | 0.0004787 | Pa×s | 445.44 | Joback Method |
| dvisc | 0.0007471 | Pa×s | 403.96 | Joback Method |
| dvisc | 0.0012909 | Pa×s | 362.48 | Joback Method |
| dvisc | 0.0025691 | Pa×s | 321.00 | Joback Method |

# Sources

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|---|---|
| **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=R130157&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# Legend

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|---|---|
| **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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |