# p-mentha-2,8-dien-1-yl acetate

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

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -63.26 | kJ/mol | Joback Method |
| hf | -313.17 | kJ/mol | Joback Method |
| hfus | 14.86 | kJ/mol | Joback Method |
| hvap | 50.13 | kJ/mol | Joback Method |
| log10ws | -3.18 | | Crippen Method |
| logp | 2.850 | | Crippen Method |
| mcvol | 167.920 | ml/mol | McGowan Method |
| pc | 2441.06 | kPa | Joback Method |
| ripol | 1731.00 | | NIST Webbook |
| tb | 561.09 | K | Joback Method |
| tc | 778.26 | K | Joback Method |
| tf | 309.24 | K | Joback Method |
| vc | 0.629 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 414.24 | J/mol×K | 561.09 | Joback Method |
| cpg | 432.26 | J/mol×K | 597.29 | Joback Method |
| cpg | 449.21 | J/mol×K | 633.48 | Joback Method |
| cpg | 465.20 | J/mol×K | 669.68 | Joback Method |
| cpg | 480.34 | J/mol×K | 705.87 | Joback Method |
| cpg | 494.73 | J/mol×K | 742.07 | Joback Method |
| cpg | 508.47 | J/mol×K | 778.26 | 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=R320533&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 |
| **ripol:** | Polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |