# Eudesma-3,5-dien-1«beta»-ol

**Inchi:** InChI=1S/C14H22O/c1-10(2)11-7-8-14(3)12(9-11)5-4-6-13(14)15/h4-5,9-11,13,15H,6-8H
**InchiKey:** OPUGJSIJRMAFLM-VNXPTHQBSA-N
**Formula:** C14H22O
**SMILES:** CC(C)C1C=C2C=CCC(O)C2(C)CC1
**Mol. weight [g/mol]:** 206.32

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 37.93 | kJ/mol | Joback Method |
| hf | -269.85 | kJ/mol | Joback Method |
| hfus | 17.28 | kJ/mol | Joback Method |
| hvap | 63.35 | kJ/mol | Joback Method |
| log10ws | -3.83 | | Crippen Method |
| logp | 3.306 | | Crippen Method |
| mcvol | 183.670 | ml/mol | McGowan Method |
| pc | 2419.50 | kPa | Joback Method |
| rinpol | 1706.00 | | NIST Webbook |
| ripol | 2327.00 | | NIST Webbook |
| tb | 640.89 | K | Joback Method |
| tc | 850.89 | K | Joback Method |
| tf | 348.86 | K | Joback Method |
| vc | 0.683 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 519.34 | J/mol×K | 640.89 | Joback Method |
| cpg | 537.53 | J/mol×K | 675.89 | Joback Method |
| cpg | 554.73 | J/mol×K | 710.89 | Joback Method |
| cpg | 571.07 | J/mol×K | 745.89 | Joback Method |
| cpg | 586.67 | J/mol×K | 780.89 | Joback Method |
| cpg | 601.68 | J/mol×K | 815.89 | Joback Method |
| cpg | 616.21 | J/mol×K | 850.89 | 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=R229693&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 |
| **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 |