# 7,10-Epoxyfarnesa-1,5,11-trien-3-ol

**Inchi:** InChI=1S/C15H24O2/c1-6-14(4,16)9-7-10-15(5)11-8-13(17-15)12(2)3/h6-7,10,13,16H,1-
**InchiKey:** FYNUDQSLPSFSMZ-HKELBZMOSA-N
**Formula:** C15H24O2
**SMILES:** C=CC(C)(O)CC=CC1(C)CCC(C(=C)C)O1
**Mol. weight [g/mol]:** 236.35

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 126.02 | kJ/mol | Joback Method |
| hf | -232.24 | kJ/mol | Joback Method |
| hfus | 24.30 | kJ/mol | Joback Method |
| hvap | 66.37 | kJ/mol | Joback Method |
| log10ws | -4.24 | | Crippen Method |
| logp | 3.383 | | Crippen Method |
| mcvol | 210.190 | ml/mol | McGowan Method |
| pc | 2023.58 | kPa | Joback Method |
| rinpol | 1531.00 | | NIST Webbook |
| rinpol | 1531.00 | | NIST Webbook |
| rinpol | 1527.00 | | NIST Webbook |
| ripol | 2122.00 | | NIST Webbook |
| ripol | 2122.00 | | NIST Webbook |
| ripol | 2116.00 | | NIST Webbook |
| ripol | 2116.00 | | NIST Webbook |
| tb | 666.75 | K | Joback Method |
| tc | 868.35 | K | Joback Method |
| tf | 356.62 | K | Joback Method |
| vc | 0.785 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 596.11 | J/mol×K | 666.75 | Joback Method |
| cpg | 613.03 | J/mol×K | 700.35 | Joback Method |
| cpg | 629.08 | J/mol×K | 733.95 | Joback Method |

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|---|---|---|---|---|
| cpg | 644.41 | J/mol×K | 767.55 | Joback Method |
| cpg | 659.15 | J/mol×K | 801.15 | Joback Method |
| cpg | 673.45 | J/mol×K | 834.75 | Joback Method |
| cpg | 687.46 | J/mol×K | 868.35 | Joback Method |

# Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=R232530&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

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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 |