# Aromadendra-4,10(14)-diene

**Inchi:** InChI=1S/C15H22/c1-9-6-8-12-14(15(12,3)4)13-10(2)5-7-11(9)13/h11-12,14H,1,5-8H2,2-
**InchiKey:** DKAGYTWZAOJITC-UHFFFAOYSA-N
**Formula:** C15H22
**SMILES:** C=C1CCC2C(C3=C(C)CCC13)C2(C)C
**Mol. weight [g/mol]:** 202.34

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 284.05 | kJ/mol | Joback Method |
| hf | -32.87 | kJ/mol | Joback Method |
| hfus | 18.87 | kJ/mol | Joback Method |
| hvap | 49.38 | kJ/mol | Joback Method |
| log10ws | -4.53 | | Crippen Method |
| logp | 4.335 | | Crippen Method |
| mcvol | 181.030 | ml/mol | McGowan Method |
| pc | 2102.27 | kPa | Joback Method |
| rinpol | 1442.00 | | NIST Webbook |
| rinpol | 1442.00 | | NIST Webbook |
| tb | 575.21 | K | Joback Method |
| tc | 794.86 | K | Joback Method |
| tf | 364.73 | K | Joback Method |
| vc | 0.698 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 484.12 | J/mol×K | 575.21 | Joback Method |
| cpg | 505.10 | J/mol×K | 611.82 | Joback Method |
| cpg | 524.76 | J/mol×K | 648.43 | Joback Method |
| cpg | 543.26 | J/mol×K | 685.04 | Joback Method |
| cpg | 560.79 | J/mol×K | 721.65 | Joback Method |
| cpg | 577.52 | J/mol×K | 758.25 | Joback Method |
| cpg | 593.62 | J/mol×K | 794.86 | 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=R427253&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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |