# 17«beta»,21«beta»(H)-30-norhopane

**Inchi:** InChI=1S/C29H50/c1-8-20-12-17-26(4)21(20)13-18-28(6)23(26)10-11-24-27(5)16-9-15-2
**InchiKey:** XKJROQIFLGXWEY-DRIRBDDESA-N
**Formula:** C29H50
**SMILES:** CCC1CCC2(C)C1CCC1(C)C2CCC2C3(C)CCCC(C)(C)C3CCC21C
**Mol. weight [g/mol]:** 398.71

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 358.45 | kJ/mol | Joback Method |
| hf | -340.35 | kJ/mol | Joback Method |
| hfus | 22.81 | kJ/mol | Joback Method |
| hvap | 73.44 | kJ/mol | Joback Method |
| log10ws | -9.02 | | Crippen Method |
| logp | 8.888 | | Crippen Method |
| mcvol | 365.170 | ml/mol | McGowan Method |
| pc | 1012.95 | kPa | Joback Method |
| rinpol | 3000.00 | | NIST Webbook |
| rinpol | 3045.00 | | NIST Webbook |
| tb | 900.09 | K | Joback Method |
| tc | 1143.83 | K | Joback Method |
| tf | 583.47 | K | Joback Method |
| vc | 1.381 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 1379.44 | J/mol×K | 900.09 | Joback Method |
| cpg | 1424.12 | J/mol×K | 940.71 | Joback Method |
| cpg | 1471.71 | J/mol×K | 981.34 | Joback Method |
| cpg | 1523.01 | J/mol×K | 1021.96 | Joback Method |
| cpg | 1578.84 | J/mol×K | 1062.58 | Joback Method |
| cpg | 1639.98 | J/mol×K | 1103.20 | Joback Method |
| cpg | 1707.26 | J/mol×K | 1143.83 | 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=R261860&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# 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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |

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