# 17«alpha»H-moretane

**Inchi:** InChI=1S/C30H52/c1-20(2)21-12-17-27(5)22(21)13-18-29(7)24(27)10-11-25-28(6)16-9-1
**InchiKey:** ZRLNBWWGLOPJIC-XDZDYSHNSA-N
**Formula:** C30H52
**SMILES:** CC(C)C1CCC2(C)C1CCC1(C)C2CCC2C3(C)CCCC(C)(C)C3CCC21C
**Mol. weight [g/mol]:** 412.73

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 21.87 | kJ/mol | Joback Method |
| logp | 9.134 | | Crippen Method |
| mcvol | 379.260 | ml/mol | McGowan Method |
| rinpol | 3174.00 | | NIST Webbook |
| rinpol | 3174.00 | | NIST Webbook |
| rinpol | 3174.00 | | NIST Webbook |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 1454.25 | J/mol×K | 922.53 | Joback Method |
| cpg | 1501.42 | J/mol×K | 963.21 | Joback Method |
| cpg | 1551.88 | J/mol×K | 1003.89 | Joback Method |
| cpg | 1606.44 | J/mol×K | 1044.56 | Joback Method |
| cpg | 1665.90 | J/mol×K | 1085.24 | Joback Method |
| cpg | 1731.08 | J/mol×K | 1125.92 | Joback Method |
| cpg | 1802.80 | J/mol×K | 1166.60 | Joback Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R214418&Units=SI
**Joback Method:** https://en.wikipedia.org/wiki/Joback_method
**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772

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|---|---|
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Cheméo Relay (1.0):** | |
| **Cheméo Relay (1.0, beta):** | |

# Legend

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **hfus:** | Enthalpy of fusion at standard conditions |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **rinpol:** | Non-polar retention indices |