# Bicyclo[3.1.1]heptan-3-ol, 6,6-dimethyl-2-methylene-

**Other names:** Pinocarveol
2(10)-Pinen-3-ol
6,6-dimethyl-2-methylenebicyclo[3.1.1]heptan-3-ol

**Inchi:** InChI=1S/C10H16O/c1-6-8-4-7(5-9(6)11)10(8,2)3/h7-9,11H,1,4-5H2,2-3H3

**InchiKey:** LCYXQUJDODZYIJ-UHFFFAOYSA-N

**Formula:** C10H16O

**SMILES:** C=C1C(O)CC2CC1C2(C)C

**Mol. weight [g/mol]:** 152.23

**CAS:** 5947-36-4

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 38.07 | kJ/mol | Joback Method |
| hf | -203.72 | kJ/mol | Joback Method |
| hfus | 14.60 | kJ/mol | Joback Method |
| hvap | 52.92 | kJ/mol | Joback Method |
| log10ws | -2.30 | | Crippen Method |
| logp | 1.969 | | Crippen Method |
| mcvol | 131.610 | ml/mol | McGowan Method |
| pc | 3076.16 | kPa | Joback Method |
| rinpol | 1128.00 | | NIST Webbook |
| rinpol | 1134.00 | | NIST Webbook |
| rinpol | 1152.00 | | NIST Webbook |
| rinpol | 1138.00 | | NIST Webbook |
| rinpol | 1152.00 | | NIST Webbook |
| rinpol | 1139.00 | | NIST Webbook |
| rinpol | 1137.00 | | NIST Webbook |
| rinpol | 1132.00 | | NIST Webbook |
| rinpol | 1138.00 | | NIST Webbook |
| rinpol | 1117.00 | | NIST Webbook |
| rinpol | 1134.00 | | NIST Webbook |
| rinpol | 1141.00 | | NIST Webbook |
| rinpol | 1142.00 | | NIST Webbook |
| rinpol | 1143.00 | | NIST Webbook |
| rinpol | 1132.00 | | NIST Webbook |
| rinpol | 1132.00 | | NIST Webbook |
| rinpol | 1139.00 | | NIST Webbook |

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|---|---|---|---|
| rinpol | 1147.00 | | NIST Webbook |
| rinpol | 1109.00 | | NIST Webbook |
| rinpol | 1146.00 | | NIST Webbook |
| rinpol | 1135.00 | | NIST Webbook |
| rinpol | 1141.00 | | NIST Webbook |
| ripol | 1653.00 | | NIST Webbook |
| ripol | 1632.00 | | NIST Webbook |
| ripol | 1642.00 | | NIST Webbook |
| ripol | 1651.00 | | NIST Webbook |
| ripol | 1632.00 | | NIST Webbook |
| ripol | 1664.00 | | NIST Webbook |
| ripol | 1661.00 | | NIST Webbook |
| ripol | 1690.00 | | NIST Webbook |
| ripol | 1637.00 | | NIST Webbook |
| ripol | 1654.00 | | NIST Webbook |
| ripol | 1654.00 | | NIST Webbook |
| ripol | 1661.00 | | NIST Webbook |
| ripol | 1653.00 | | NIST Webbook |
| tb | 528.19 | K | Joback Method |
| tc | 723.06 | K | Joback Method |
| tf | 324.74 | K | Joback Method |
| vc | 0.500 | m3/kmol | Joback Method |

# Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 335.96 | J/mol×K | 528.19 | Joback Method |
| cpg | 350.83 | J/mol×K | 560.67 | Joback Method |
| cpg | 364.79 | J/mol×K | 593.15 | Joback Method |
| cpg | 377.93 | J/mol×K | 625.63 | Joback Method |
| cpg | 390.35 | J/mol×K | 658.11 | Joback Method |
| cpg | 402.17 | J/mol×K | 690.59 | Joback Method |
| cpg | 413.48 | J/mol×K | 723.06 | Joback Method |

# Sources

**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 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C5947364&Units=SI |

# 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 |
| **ripol:** | Polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |