# (5-ETHYLCYCLOPENT-1-ENYL)METHANOL

**Inchi:** InChI=1S/C8H14O/c1-2-7-4-3-5-8(7)6-9/h5,7,9H,2-4,6H2,1H3
**InchiKey:** PWPHPRWZLTZIPI-UHFFFAOYSA-N
**Formula:** C8H14O
**SMILES:** CCC1CCC=C1CO
**Mol. weight [g/mol]:** 126.20

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 15.33 | kJ/mol | Joback Method |
| logp | 1.725 | | Crippen Method |
| mcvol | 114.290 | ml/mol | McGowan Method |
| rinpol | 1073.00 | | NIST Webbook |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 258.78 | J/mol×K | 494.04 | Joback Method |
| cpg | 271.32 | J/mol×K | 525.16 | Joback Method |
| cpg | 283.25 | J/mol×K | 556.28 | Joback Method |
| cpg | 294.60 | J/mol×K | 587.40 | Joback Method |
| cpg | 305.39 | J/mol×K | 618.52 | Joback Method |
| cpg | 315.63 | J/mol×K | 649.64 | Joback Method |
| cpg | 325.35 | J/mol×K | 680.76 | Joback Method |
| dvisc | 0.0172801 | Pa×s | 264.92 | Joback Method |
| dvisc | 0.0051460 | Pa×s | 303.11 | Joback Method |
| dvisc | 0.0020097 | Pa×s | 341.29 | Joback Method |
| dvisc | 0.0009483 | Pa×s | 379.48 | Joback Method |
| dvisc | 0.0005134 | Pa×s | 417.67 | Joback Method |
| dvisc | 0.0003080 | Pa×s | 455.85 | Joback Method |
| dvisc | 0.0002000 | Pa×s | 494.04 | Joback Method |

# Sources

| | |
|---|---|
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Cheméo Relay (1.0):** | |
| **Cheméo Relay (1.0, beta):** | |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C36431591&Units=SI |
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

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