# 2H-Pyran, 5,6-dihydro-2-methyl-

**Inchi:** InChI=1S/C6H10O/c1-6-4-2-3-5-7-6/h2,4,6H,3,5H2,1H3
**InchiKey:** QGXRIEQVMZFYOR-UHFFFAOYSA-N
**Formula:** C6H10O
**SMILES:** CC1C=CCCO1
**Mol. weight [g/mol]:** 98.14
**CAS:** 55230-25-6

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -32.07 | kJ/mol | Joback Method |
| hf | -187.07 | kJ/mol | Joback Method |
| hfus | 12.33 | kJ/mol | Joback Method |
| hvap | 34.18 | kJ/mol | Joback Method |
| log10ws | -1.28 | | Crippen Method |
| logp | 1.351 | | Crippen Method |
| mcvol | 86.110 | ml/mol | McGowan Method |
| pc | 4098.62 | kPa | Joback Method |
| tb | 375.70 ± 0.50 | K | NIST Webbook |
| tc | 589.39 | K | Joback Method |
| tf | 192.09 | K | Joback Method |
| vc | 0.311 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 151.92 | J/mol×K | 382.34 | Joback Method |
| cpg | 165.13 | J/mol×K | 416.85 | Joback Method |
| cpg | 177.69 | J/mol×K | 451.36 | Joback Method |
| cpg | 189.61 | J/mol×K | 485.86 | Joback Method |
| cpg | 200.90 | J/mol×K | 520.37 | Joback Method |
| cpg | 211.59 | J/mol×K | 554.88 | Joback Method |
| cpg | 221.69 | J/mol×K | 589.39 | Joback Method |
| dvisc | 0.0058004 | Pa×s | 192.09 | Joback Method |
| dvisc | 0.0025190 | Pa×s | 223.80 | Joback Method |

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|---|---|---|---|---|
| dvisc | 0.0013456 | Pa×s | 255.51 | Joback Method |
| dvisc | 0.0008255 | Pa×s | 287.22 | Joback Method |
| dvisc | 0.0005581 | Pa×s | 318.92 | Joback Method |
| dvisc | 0.0004050 | Pa×s | 350.63 | Joback Method |
| dvisc | 0.0003100 | Pa×s | 382.34 | Joback Method |

# Sources

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|---|---|
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C55230256&Units=SI |
| **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 |

# Legend

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **dvisc:** | Dynamic viscosity |
| **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 |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |