# 5-HEXENAL, 4-METHYLENE-

**Other names:** 4-Methylidenehex-5-enal
**Inchi:** InChI=1S/C7H10O/c1-3-7(2)5-4-6-8/h3,6H,1-2,4-5H2
**InchiKey:** GTQGBVLUEUNXCG-UHFFFAOYSA-N
**Formula:** C7H10O
**SMILES:** C=CC(=C)CCC=O
**Mol. weight [g/mol]:** 110.16

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 12.30 | kJ/mol | Joback Method |
| hvap | 46.12 | kJ/mol | Cheméo Relay (1.0) |
| logp | 1.708 | | Crippen Method |
| mcvol | 102.460 | ml/mol | McGowan Method |
| rinpol | 896.80 | | NIST Webbook |
| rinpol | 896.80 | | NIST Webbook |
| tb | 411.09 | K | Cheméo Relay (1.0) |
| tf | 212.82 | K | Cheméo Relay (1.0) |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 187.15 | J/mol×K | 401.46 | Joback Method |
| cpg | 197.09 | J/mol×K | 431.87 | Joback Method |
| cpg | 206.56 | J/mol×K | 462.29 | Joback Method |
| cpg | 215.56 | J/mol×K | 492.70 | Joback Method |
| cpg | 224.12 | J/mol×K | 523.12 | Joback Method |
| cpg | 232.25 | J/mol×K | 553.53 | Joback Method |
| cpg | 239.97 | J/mol×K | 583.95 | Joback Method |

## Sources

| | |
|---|---|
| **Cheméo Relay (1.0):** | |
| **Cheméo Relay (1.0, beta):** | |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C17844212&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 |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# Legend

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **hfus:** | Enthalpy of fusion at standard conditions |
| **hvap:** | Enthalpy of vaporization at standard conditions |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tf:** | Normal melting (fusion) point |