# 2,4-Hexadiene, 1,6-dimethoxy-, (e,e)-

**Inchi:** InChI=1S/C8H14O2/c1-9-7-5-3-4-6-8-10-2/h3-6H,7-8H2,1-2H3/b5-3+,6-4+
**InchiKey:** YALLCAMEYAILJE-GGWOSOGESA-N
**Formula:** C8H14O2
**SMILES:** COC/C=C/C=C/COC
**Mol. weight [g/mol]:** 142.20

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 19.26 | kJ/mol | Joback Method |
| ie | 8.21 | eV | Cheméo Relay (1.0) |
| logp | 1.392 | | Crippen Method |
| mcvol | 126.720 | ml/mol | McGowan Method |
| tb | 449.26 | K | Cheméo Relay (1.0) |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 251.32 | J/mol×K | 435.60 | Joback Method |
| cpg | 263.29 | J/mol×K | 465.68 | Joback Method |
| cpg | 274.79 | J/mol×K | 495.76 | Joback Method |
| cpg | 285.83 | J/mol×K | 525.84 | Joback Method |
| cpg | 296.41 | J/mol×K | 555.92 | Joback Method |
| cpg | 306.57 | J/mol×K | 586.00 | Joback Method |
| cpg | 316.29 | J/mol×K | 616.08 | Joback Method |
| dvisc | 0.0026394 | Pa×s | 214.22 | Joback Method |
| dvisc | 0.0011119 | Pa×s | 251.12 | Joback Method |
| dvisc | 0.0005846 | Pa×s | 288.01 | Joback Method |
| dvisc | 0.0003556 | Pa×s | 324.91 | Joback Method |
| dvisc | 0.0002394 | Pa×s | 361.81 | Joback Method |
| dvisc | 0.0001735 | Pa×s | 398.70 | Joback Method |
| dvisc | 0.0001327 | Pa×s | 435.60 | Joback Method |

# Sources

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|---|---|
| **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=C71603537&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 |
| **ie:** | Ionization energy |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **tb:** | Normal Boiling Point Temperature |