# cyclopent-3-en-1,2-dione

**Other names:** cyclopent-3-en-1,2-dione
**Inchi:** InChI=1S/C5H4O2/c6-4-2-1-3-5(4)7/h1-2H,3H2
**InchiKey:** WMNNFUMNTPIROQ-UHFFFAOYSA-N
**Formula:** C5H4O2
**SMILES:** O=C1C=CCC1=O
**Mol. weight [g/mol]:** 96.08

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 1.81 | kJ/mol | Joback Method |
| logp | 0.084 | | Crippen Method |
| mcvol | 69.290 | ml/mol | McGowan Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 131.50 | J/mol×K | 468.55 | Joback Method |
| cpg | 141.13 | J/mol×K | 509.25 | Joback Method |
| cpg | 150.46 | J/mol×K | 549.96 | Joback Method |
| cpg | 159.44 | J/mol×K | 590.66 | Joback Method |
| cpg | 168.03 | J/mol×K | 631.36 | Joback Method |
| cpg | 176.19 | J/mol×K | 672.07 | Joback Method |
| cpg | 183.87 | J/mol×K | 712.77 | Joback Method |

## Sources

**Cheméo Relay (1.0, beta):**
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R318619&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

**Cheméo Relay (1.0):**

# Legend

| | |
|---|---|
| **cpg:** | Ideal gas heat capacity |
| **hfus:** | Enthalpy of fusion at standard conditions |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |