# THIAZOLIDINE-2,4-DIONE

**Inchi:** InChI=1S/C3H3NO2S/c5-2-1-7-3(6)4-2/h1H2,(H,4,5,6)
**InchiKey:** ZOBPZXTWZATXDG-UHFFFAOYSA-N
**Formula:** C3H3NO2S
**SMILES:** O=C1CSC(=O)N1
**Mol. weight [g/mol]:** 117.13

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 8.66 | kJ/mol | Joback Method |
| logp | -0.031 | | Crippen Method |
| mcvol | 71.740 | ml/mol | McGowan Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 137.24 | J/mol×K | 520.01 | Joback Method |
| cpg | 146.19 | J/mol×K | 565.42 | Joback Method |
| cpg | 154.90 | J/mol×K | 610.84 | Joback Method |
| cpg | 163.28 | J/mol×K | 656.25 | Joback Method |
| cpg | 171.22 | J/mol×K | 701.67 | Joback Method |
| cpg | 178.66 | J/mol×K | 747.08 | Joback Method |
| cpg | 185.49 | J/mol×K | 792.50 | Joback Method |

## Sources

**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):**
**Cheméo Relay (1.0, beta):**
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?Str2File=C2295310

**Joback Method:** https://en.wikipedia.org/wiki/Joback_method

# Legend

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