# 3-Cyclobutene-1,2-dione, 3,4-dihydroxy-

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|---|---|
| **Other names:** | Squaric acid |
| | Cyclobutenedione, dihydroxy- |
| | Quadratic acid |
| | 1,2-Dihydroxycyclobutene-3,4-dione |
| | 1,2-Diketo-3,4-dihydroxycyclobutene |
| | 3,4-Dihydroxy-3-cyclobutene-1,2-dione |
| | 1,2-Dihydroxy cyclobutenedione |
| | 1,2-Dihydroxy-3,4-cyclobutenedione |
| | Cyclobutene-1,2-dione, 3,4-dihydroxy- |
| | 3,4-Dihydroxy-cyclobutene-1,2-dione |
| | NSC 125692 |
| **Inchi:** | InChI=1S/C4H2O4/c5-1-2(6)4(8)3(1)7/h5-6H |
| **InchiKey:** | PWEBUXCTKOWPCW-UHFFFAOYSA-N |
| **Formula:** | C4H2O4 |
| **SMILES:** | O=c1c(O)c(O)c1=O |
| **Mol. weight [g/mol]:** | 114.06 |
| **CAS:** | 2892-51-5 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | 1.76 | | Crippen Method |
| logp | -1.306 | | Crippen Method |
| mcvol | 66.940 | ml/mol | McGowan Method |

# Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C2892515&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |

# Legend

| | |
|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |

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