

# 2,3-Quinoxalinedione, 1,4-dihydro-

|                             |  |
|-----------------------------|--|
| <b>Other names:</b>         | 1,4-Dihydro-2,3-quinoxalinedione<br>2,3-Dihydroxyquinoxaline<br>2,3-Quinoxalinediol<br>Quinoxaline, 2,3-dihydroxy-<br>USAF ek-6232<br>quinoxaline-2,3-diol |
| <b>Inchi:</b>               | InChI=1S/C8H6N2O2/c11-7-8(12)10-6-4-2-1-3-5(6)9-7/h1-4H,(H,9,11)(H,10,12)  |
| <b>InchiKey:</b>            | ABJFBJGGLJVMAQ-UHFFFAOYSA-N  |
| <b>Formula:</b>             | C8H6N2O2   |
| <b>SMILES:</b>              | Oc1nc2ccccc2nc1O   |
| <b>Mol. weight [g/mol]:</b> | 162.15   |
| <b>CAS:</b>                 | 15804-19-0   |

## Physical Properties

| Property code | Value         | Unit   | Source         |
|---------------|---------------|--------|----------------|
| hsub          | 156.30 ± 5.50 | kJ/mol | NIST Webbook   |
| log10ws       | -1.90         |        | Crippen Method |
| logp          | 1.041         |        | Crippen Method |
| mvol          | 112.060       | ml/mol | McGowan Method |

## Sources

|                        |   |
|------------------------|---|
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |
| <b>McGowan Method:</b> | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                         |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C15804190&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C15804190&amp;Units=SI</a> |
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>                                     |

## Legend

|                 |  |
|-----------------|--|
| <b>hsub:</b>    | Enthalpy of sublimation at standard conditions |
| <b>log10ws:</b> | Log10 of Water solubility in mol/l             |

**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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