

# Uridine, 5-iodo-

|                             |  |
|-----------------------------|--|
| <b>Other names:</b>         | 5-Iodouridine  |
| <b>Inchi:</b>               | InChI=1S/C9H11IN2O6/c10-3-1-12(9(17)11-7(3)16)8-6(15)5(14)4(2-13)18-8/h1,4-6,8,13- |
| <b>InchiKey:</b>            | RKSLVDIXBGWPIS-TYQACLPBSA-N  |
| <b>Formula:</b>             | C9H11IN2O6   |
| <b>SMILES:</b>              | <chem>O=c1[nH]c(=O)n(C2OC(CO)C(O)C2O)cc1I</chem>                                   |
| <b>Mol. weight [g/mol]:</b> | 370.10   |
| <b>CAS:</b>                 | 1024-99-3  |

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| affp          | 891.10  | kJ/mol | NIST Webbook   |
| log10ws       | 0.23    |        | Crippen Method |
| logp          | -2.729  |        | Crippen Method |
| mcvol         | 184.050 | ml/mol | McGowan Method |

## Sources

|                        |   |
|------------------------|---|
| <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=C1024993&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1024993&amp;Units=SI</a> |
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>                                   |
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                           |

## Legend

|                 |                                     |
|-----------------|-------------------------------------|
| <b>affp:</b>    | Proton affinity                     |
| <b>log10ws:</b> | Log10 of Water solubility in mol/l  |
| <b>logp:</b>    | Octanol/Water partition coefficient |
| <b>mcvol:</b>   | McGowan's characteristic volume     |

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