

# Uridine, 2',3',5'-tris-O-(trimethylsilyl)-

|                      |                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other names:         | Uridine, 2',3',5'-tris-O-TMS<br>Uridine, 2',3',5'-tris(O-TMSi)<br>Uridine, tris-TMS<br>Uridine, tris(trimethylsilyl) deriv.<br>Uridine, 3tms derivative |
| Inchi:               | InChI=1S/C18H36N2O6Si3/c1-27(2,3)23-12-13-15(25-28(4,5)6)16(26-29(7,8)9)17(24-13                                                                        |
| InchiKey:            | PMTYSPPFEFHVGD-UHFFFAOYSA-N                                                                                                                             |
| Formula:             | C18H36N2O6Si3                                                                                                                                           |
| SMILES:              | <chem>C[Si](C)(C)OCC1OC(n2ccc(=O)[nH]c2=O)C(O[Si](C)(C)C)C1O[Si](C)(C)C</chem>                                                                          |
| Mol. weight [g/mol]: | 460.74                                                                                                                                                  |
| CAS:                 | 10457-16-6                                                                                                                                              |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 3.99    |      | Crippen Method |
| logp          | 2.244   |      | Crippen Method |
| rinpol        | 2444.00 |      | NIST Webbook   |
| rinpol        | 2444.00 |      | NIST Webbook   |
| rinpol        | 2450.00 |      | NIST Webbook   |
| rinpol        | 2470.00 |      | NIST Webbook   |
| rinpol        | 2469.00 |      | NIST Webbook   |
| rinpol        | 2470.00 |      | NIST Webbook   |

## Sources

|                 |                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Crippen Method: | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C10457166&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C10457166&amp;Units=SI</a> |
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                     |

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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