

# 5-Nitouracil, TMS

**Inchi:** InChI=1S/C10H19N3O4Si2/c1-18(2,3)16-9-8(13(14)15)7-11-10(12-9)17-19(4,5)6/h7H,1-10H3  
**InchiKey:** ZVMKAZLYKSXZDY-UHFFFAOYSA-N  
**Formula:** C10H19N3O4Si2  
**SMILES:** C[Si](C)(C)Oc1ncc([N+](=O)[O-])c(O[Si](C)(C)C)n1  
**Mol. weight [g/mol]:** 301.45

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 0.33    |      | Crippen Method |
| logp          | 2.812   |      | Crippen Method |
| rinsol        | 1649.80 |      | NIST Webbook   |
| rinsol        | 1649.80 |      | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R245259&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

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

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