

# Thymidine, 5'-O-cyclotetramethylene-isopropylsilyl

**Inchi:** InChI=1S/C17H28N2O5Si/c1-11(2)25(6-4-5-7-25)23-10-14-13(20)8-15(24-14)19-9-12(3)  
**InchiKey:** ITLKFWWJLRYNNF-JVIGXAJISA-N  
**Formula:** C17H28N2O5Si  
**SMILES:** Cc1cn(C2CC(O)C(CO[Si]3(C(C)C)CCCC3)O2)c(=O)[nH]c1=O  
**Mol. weight [g/mol]:** 368.50

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -0.42   |      | Crippen Method |
| logp          | 1.177   |      | Crippen Method |
| rinpol        | 2876.00 |      | NIST Webbook   |
| rinpol        | 2876.00 |      | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R247255&Units=SI>

## Legend

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

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