

# Thymine, 1-alpha-l-rhamnopyranosyl-

**Inchi:** InChI=1S/C11H16N2O6/c1-4-3-13(11(18)12-9(4)17)10-8(16)7(15)6(14)5(2)19-10/h3,5-8,  
**InchiKey:** GF AFUFUZQURDNX-UHFFFAOYSA-N  
**Formula:** C<sub>11</sub>H<sub>16</sub>N<sub>2</sub>O<sub>6</sub>  
**SMILES:** Cc1cn(C2OC(C)C(O)C(O)C2O)c(=O)nc1O  
**Mol. weight [g/mol]:** 272.25

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -0.30   |        | Crippen Method |
| logp          | -1.743  |        | Crippen Method |
| mcvol         | 186.410 | ml/mol | McGowan Method |

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=B6007818&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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