

# Thymidine, 3',5'-bis(O-TMTBSi)

|                             |   |
|-----------------------------|---|
| <b>Other names:</b>         | Thymidine, 3',5'-bis-O-cyclotetramethylene-tertbutylsilyl                       |
| <b>Inchi:</b>               | InChI=1S/C26H46N2O5Si2/c1-19-17-28(24(30)27-23(19)29)22-16-20(33-35(26(5,6)7)14 |
| <b>InchiKey:</b>            | GNVQMTMGCIFNFP-UGGDCYSXSA-N   |
| <b>Formula:</b>             | C26H46N2O5Si2   |
| <b>SMILES:</b>              | Cc1cn(C2CC(O[Si]3(C(C)(C)C)CCCC3)C(CO[Si]3(C(C)(C)C)CCCC3)O2)c(=O)[nH]c1=O      |
| <b>Mol. weight [g/mol]:</b> | 522.82  |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -1.96   |      | Crippen Method |
| logp          | 5.131   |      | Crippen Method |
| rinsol        | 3416.00 |      | NIST Webbook   |
| rinsol        | 3416.00 |      | NIST Webbook   |

## Sources

|                        |   |
|------------------------|---|
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                         |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R144720&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R144720&amp;Units=SI</a> |
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>                                 |

## Legend

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

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<https://www.chemeo.com/cid/39-852-3/Thymidine-3-5-bis-O-TMTBSi.pdf>

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