

# Thymidine, 3'-O-cyclotetramethylene-isopropylsilyl, 5'-O-TMS

InChI: InChI=1S/C20H36N2O5Si2/c1-14(2)29(9-7-8-10-29)27-16-11-18(26-17(16)13-25-28(4,5)  
InchiKey: GBLHYAIGA JWIME-UK KKPGEIXSA-N

Formula: C20H36N2O5Si2

SMILES: Cc1cn(C2CC(O[Si]3(C(C)C)CCCC3)C(CO[Si](C)(C)C)O2)c(=O)[nH]c1=O

Mol. weight [g/mol]: 440.68

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.45		Crippen Method
logp	3.037		Crippen Method
rinpol	2870.00		NIST Webbook

## Sources

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=R247077&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

**rinpol:** Non-polar retention indices

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<https://www.chemeo.com/cid/28-726-5/Thymidine-3-O-cyclotetramethylene-isopropylsilyl-5-O-TMS.pdf>

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