

Thymidine,

3'-O-cyclotetramethylene-tertbutylsilyl,

5'-O-TMS

InChI: 1S/C21H38N2O5Si2/c1-15-13-23(20(25)22-19(15)24)18-12-16(17(27-18)14-26-29

InchiKey: OJXFIMBWTDAYPL-UKKPGEIXSA-N

Formula: C21H38N2O5Si2

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

Mol. weight [g/mol]: 454.71

Physical Properties

Property code	Value	Unit	Source
log10ws	0.03		Crippen Method
logp	3.427		Crippen Method
rinpol	2881.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R247131&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

Latest version available from:

<https://www.chemeo.com/cid/19-869-7/Thymidine-3-O-cyclotetramethylene-tertbutylsilyl-5-O-TMS.pdf>

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