

Thymidine, 3'-O-cyclotetramethylene-isopropylsilyl, 5'-O-TBDMS

InChI: InChI=1S/C23H42N2O5Si2/c1-16(2)32(11-9-10-12-32)30-18-13-20(25-14-17(3)21(26)24

InchiKey: SCCLRDIOXGCLIIY-FXJNCMGBSA-N

Formula: C23H42N2O5Si2

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

Mol. weight [g/mol]: 482.76

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.81		Crippen Method
logp	4.207		Crippen Method
rinpol	3144.00		NIST Webbook

Sources

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

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R247057&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/51-040-0/Thymidine-3-O-cyclotetramethylene-isopropylsilyl-5-O-TBDMS.pdf>

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