Thymidine, 3'-O-cyclotetramethylene-isopropylsilyl

Inchi: InChI=1S/C17H28N2O5Si/c1-11(2)25(6-4-5-7-25)24-13-8-15(23-14(13)10-20)19-9-12(3)16(21)18-17(19)22

InchiKey: DTEJAHMVOIWQRM-JVIGXAJISA-N

Formula: C17H28N2O5Si

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

Mol. weight [g/mol]: 368.50

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.42		Crippen Method
logp	1.177		Crippen Method
rinpol	2851.00		NIST Webbook
rinpol	2851.00		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R247022&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices