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

Inchi: InChI=1S/C19H27F3N2O6Si/c1-11(2)31(6-4-5-7-31)30-13-8-15(24-9-12(3)16(25)23-18(2

InchiKey: OGRVHYNQJQLNRL-JVIGXAJISA-N

Formula: C19H27F3N2O6Si

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

Mol. weight [g/mol]: 464.51

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.52		Crippen Method
logp	2.291		Crippen Method
rinpol	2681.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R247062&Units=SI

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

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices