Thymidine, 3'-O-cyclotetramethylene-tertbutylsilyl, 5'-O-acetyl

Inchi: InChI=1S/C20H32N2O6Si/c1-13-11-22(19(25)21-18(13)24)17-10-15(16(27-17)12-26-14(

InchiKey: AFZMZJHRSAPJJS-YJEKIOLLSA-N

Formula: C20H32N2O6Si

SMILES: CC(=O)OCC1OC(n2cc(C)c(=O)[nH]c2=O)CC1O[Si]1(C(C)(C)C)CCCC1

Mol. weight [g/mol]: 424.56

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.27		Crippen Method
logp	2.138		Crippen Method
rinpol	2917.00		NIST Webbook
rinpol	2917.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R247097&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