Thymidine, 3'-O-cyclotetramethylene-tertbutylsilyl

Inchi: InChI=1S/C18H30N2O5Si/c1-12-10-20(17(23)19-16(12)22)15-9-13(14(11-21)24-15)25-2
InchiKey: VYFSPCPSTCWUHN-JVIGXAJISA-N
Formula: C18H30N2O5Si
SMILES: Cc1cn(C2CC(O[Si]3(C(C)(C)C)CCCC3)C(CO)O2)c(=O)[nH]c1=O
Mol. weight [g/mol]: 382.53

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.84		Crippen Method
logp	1.568		Crippen Method
rinpol	2872.00		NIST Webbook
rinpol	2872.00		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=R247082&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices