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

Inchi: InChI=1S/C25H44N2O5Si2/c1-18(2)33(11-7-8-12-33)30-17-21-20(32-34(25(4,5)6)13-9-1

InchiKey: LMGMJCNEZAEPSH-HRUVVLKGSA-N

Formula: C25H44N2O5Si2

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

Mol. weight [g/mol]: 508.80

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.54		Crippen Method
logp	4.741		Crippen Method
rinpol	3386.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R247106&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