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

Inchi: InChI=1S/C20H36N2O5Si2/c1-14(2)29(9-7-8-10-29)25-13-17-16(27-28(4,5)6)11-18(26-1

InchiKey: JUICPUUHAOMCSN-UKKPGEIXSA-N

Formula: C20H36N2O5Si2

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

Mol. weight [g/mol]: 440.68

Physical Properties

Property code	Value	Unit	Source
log10ws	0.45		Crippen Method
logp	3.037		Crippen Method
rinpol	2858.00		NIST Webbook
rinpol	2858.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R247220&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