

Thymidine, 5'-O-cyclotetramethylene-tertbutylsilyl

Inchi: InChI=1S/C18H30N2O5Si/c1-12-10-20(17(23)19-16(12)22)15-9-13(21)14(25-15)11-24-2
InchiKey: AZUKJQNYJPPBIY-JVIGXAJISA-N
Formula: C18H30N2O5Si
SMILES: Cc1cn(C2CC(O)C(CO[Si]3(C(C)(C)C)CCCC3)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	2909.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R247260&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/34-158-9/Thymidine-5-O-cyclotetramethylene-tertbutylsilyl.pdf>

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