

Thymidine, 3'-O-TFA, 5'-O-TBDMS

Inchi: InChI=1S/C18H27F3N2O6Si/c1-10-8-23(16(26)22-14(10)24)13-7-11(29-15(25)18(19,20)
InchiKey: ZPISPNVTRZYNBS-VFRRUGBOSA-N
Formula: C18H27F3N2O6Si
SMILES: Cc1cn(C2CC(OC(=O)C(F)(F)F)C(CO[Si](C)(C)C(C)(C)C)O2)c(=O)[nH]c1=O
Mol. weight [g/mol]: 452.50

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.20		Crippen Method
logp	2.147		Crippen Method
rinpol	2403.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R247215&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

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.cheméo.com/cid/31-237-4/Thymidine-3-O-TFA-5-O-TBDMS.pdf>

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