

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

Inchi:	InChI=1S/C20H32N2O6Si/c1-13-11-22(19(25)21-18(13)24)17-10-15(27-14(2)23)16(28-1
InchiKey:	RYTCXAAWMNEHHS-YJEKIOLLSA-N
Formula:	C20H32N2O6Si
SMILES:	CC(=O)OC1CC(n2cc(C)c(=O)[nH]c2=O)OC1CO[Si]1(C(C)(C)C)CCCC1
Mol. weight [g/mol]:	424.56

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.27		Crippen Method
logp	2.138		Crippen Method
rinpol	2928.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R247002&Units=SI

Legend

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

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<https://www.chemeo.com/cid/47-211-5/Thymidine-3-O-acetyl-5-O-cyclotetramethylene-tertbutylsilyl.pdf>

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