

5'-O-(tert-butyldimethylsilyl)-thymidine

Other names:	Thymidine, 5'-O-TBDMS
Inchi:	InChI=1S/C16H28N2O5Si/c1-10-8-18(15(21)17-14(10)20)13-7-11(19)12(23-13)9-22-24(5
InchiKey:	IJWIJLIIOKZJMS-UHFFFAOYSA-N
Formula:	C16H28N2O5Si
SMILES:	<chem>Cc1cn(C2CC(O)C(CO[Si](C)(C)C(C)(C)C)O2)c(=O)[nH]c1=O</chem>
Mol. weight [g/mol]:	356.49

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.11		Crippen Method
logp	1.033		Crippen Method
rinpol	2621.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U144564&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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/58-526-4/5-O-tert-butyldimethylsilyl-thymidine.pdf>

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