

# THYMIDINE, 3'-(O-TERT.-BUTYLDIMETHYLSILYL)-5'-ACETYL-

Other names:	Thymidine, 3'-O-TBDMS, 5'-O-acetyl
Inchi:	InChI=1S/C18H30N2O6Si/c1-11-9-20(17(23)19-16(11)22)15-8-13(14(25-15)10-24-12(2))
InchiKey:	OIFOXIBRKFJNIH-UHFFFAOYSA-N
Formula:	C18H30N2O6Si
SMILES:	CC(=O)OCC1OC(n2cc(C)c(=O)[nH]c2=O)CC1O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	398.53

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.54		Crippen Method
logp	1.604		Crippen Method
rinpol	2644.00		NIST Webbook
rinpol	2644.00		NIST Webbook

## Sources

Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U144565&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U144565&amp;Units=SI</a>

## Legend

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

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