

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

Inchi:	InChI=1S/C19H36N2O5Si2/c1-13-11-21(18(23)20-17(13)22)16-10-14(26-27(5,6)7)15(25
InchiKey:	BKGGHZYVUMAZIPA-ANGDWKNPSA-N
Formula:	C19H36N2O5Si2
SMILES:	<chem>Cc1cn(C2CC(O[Si](C)(C)C)C(CO[Si](C)(C)C(C)(C)C)O2)c(=O)[nH]c1=O</chem>
Mol. weight [g/mol]:	428.67

Physical Properties

Property code	Value	Unit	Source
log10ws	0.76		Crippen Method
logp	2.893		Crippen Method
rinpol	2621.00		NIST Webbook
rinpol	2621.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R247240&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.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.chemeo.com/cid/13-002-4/Thymidine-3-O-TMS-5-O-TBDMS.pdf>

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