

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

Inchi:	InChI=1S/C24H44N2O5Si2/c1-17-15-26(22(28)25-21(17)27)20-14-18(31-32(8,9)23(2,3)4
InchiKey:	YIKIUTMYPGAHBK-FXJNCMGBSA-N
Formula:	C24H44N2O5Si2
SMILES:	Cc1cn(C2CC(O[Si](C)(C)C(C)(C)C)C(CO[Si]3(C(C)(C)C)CCCC3)O2)c(=O)[nH]c1=O
Mol. weight [g/mol]:	496.79

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.22		Crippen Method
logp	4.597		Crippen Method
rinpol	3146.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R247166&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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/65-146-8/Thymidine-3-O-TBDMS-5-O-cyclotetramethylene-tertbutylsilyl.pdf>

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