

Thymidine, 3',5'-bis(O-TBDMSi)

Other names:	Thymidine, 3',5'-bis-O-TBDMS
Inchi:	InChI=1S/C22H42N2O5Si2/c1-15-13-24(20(26)23-19(15)25)18-12-16(29-31(10,11)22(5,
InchiKey:	DDLOCFSZSYGPG-MYFVLZFPSA-N
Formula:	C22H42N2O5Si2
SMILES:	Cc1cn(C2CC(O[Si](C)(C)C(C)(C)C(CO[Si](C)(C)C(C)(C)O2)c(=O)[nH]c1=O
Mol. weight [g/mol]:	470.75

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.49		Crippen Method
logp	4.063		Crippen Method
rinpol	2837.00		NIST Webbook
rinpol	2866.00		NIST Webbook
rinpol	2837.00		NIST Webbook
rinpol	2866.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R144691&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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/45-394-5/Thymidine-3-5-bis-O-TBDMSi.pdf>

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