

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

Inchi:	InChI=1S/C23H42N2O5Si2/c1-16(2)32(11-9-10-12-32)28-15-19-18(30-31(7,8)23(4,5)6)1
InchiKey:	DRLCHMKYUDVDNE-FXJNCMGBSA-N
Formula:	C23H42N2O5Si2
SMILES:	<chem>Cc1cn(C2CC(O[Si](C)(C)C(C)(C)C(CO[Si]3(C(C)C)CCCC3)O2)c(=O)[nH]c1=O</chem>
Mol. weight [g/mol]:	482.76

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.81		Crippen Method
logp	4.207		Crippen Method
rinpol	3107.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R247151&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/16-332-5/Thymidine-3-O-TBDMS-5-O-cyclotetramethylene-isopropylsilyl.pdf>

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