2(1H)-Pyrimidinone, 1-[2,3-bis-O-(trimethylsilyl)-«beta»-D-ribofuranosyl-5'-[bis(trimethylsilyl) phosphate]

Other names: Uridine-5'-monophosphate, pentakis-TMS; uridine-5'-monophosphate, TMS

Inchi: InChI=1S/C24H53N2O9PSi5/c1-37(2,3)31-20-16-17-26(24(27)25-20)23-22(33-39(7,8)9)2

InchiKey: IIJASRIZVKUCJI-UDIDDNNKSA-N

Formula: C24H53N2O9PSi5

SMILES: C[Si](C)(C)Oc1ccn(C2OC(COP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)C(O[Si](C)(C)C)C2O[Si](

Mol. weight [g/mol]: 685.09

CAS: 32645-59-3

Physical Properties

Property code	Value	Unit	Source
log10ws	3.11		Crippen Method
logp	6.622		Crippen Method
rinpol	2896.00		NIST Webbook
rinpol	2896.00		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C32645593&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.