Cytidine, methyl-TMS derivative

Inchi: InChI=1S/C21H45N3O5Si4/c1-23(30(2,3)4)16-14-15-24(21(25)22-16)19-17(27-31(5,6)7)
InchiKey: AXMRHZCPKSBYJP-NTFDOXNWSA-N
Formula: C21H45N3O5Si4
SMILES: CN(c1ccn(C2OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C2O[Si](C)(C)C)c(=O)n1)[Si](C)(C)C
Mol. weight [g/mol]: 531.94

Physical Properties

Property code	Value	Unit	Source
log10ws	3.99		Crippen Method
logp	4.661		Crippen Method
rinpol	2435.00		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=R245764&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices