Cytosine arabinoside, methyl-TMS derivative

Inchi: InChI=1S/C22H47N3O5Si4/c1-24(31(2,3)4)18-14-15-25(22(26)23-18)21-20(30-34(11,12)
InchiKey: DWWKRXKBASGMCZ-VWEINGBSSA-N
Formula: C22H47N3O5Si4
SMILES: CN(c1ccn(C2OCC(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]: 545.97

Physical Properties

Property code	Value	Unit	Source
log10ws	4.07		Crippen Method
logp	4.703		Crippen Method
rinpol	2433.00		NIST Webbook
rinpol	2433.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R245848&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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