N6-TBDMS-Adenosine, 2',3',5'-tris-O-TBDMS

Other names: Adenosine, 2',3',5',N6-tetrakis(O-TBDMSi)
Inchi: InChI=1S/C34H69N5O4Si4/c1-31(2,3)44(13,14)38-28-25-29(36-22-35-28)39(23-37-25)3
InchiKey: MSSNTTXRGAVGTK-LOQIKKFYSA-N
Formula: C34H69N5O4Si4
SMILES: CC(C)(C)[Si](C)(C)Nc1ncnc2c1ncn2C1OC(CO[Si](C)(C)C(C)(C)C)C(O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 724.28

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.97		Crippen Method
logp	9.943		Crippen Method
rinpol	3475.00		NIST Webbook
rinpol	3504.00		NIST Webbook
rinpol	3481.00		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=R144408&Units=SI

Legend

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