2'-Deoxyguanosine, N-trimethylsilyl-, tris(trimethylsilyl) ether

Other names: deoxyguanosine, TMS
Deoxyguanosine, 4tms derivative
Inchi: InChI=1S/C22H45N5O4Si4/c1-32(2,3)26-22-24-20-19(21(25-22)31-35(10,11)12)23-15-2
InchiKey: ILFXBGNQNBWQLE-UHFFFAOYSA-N
Formula: C22H45N5O4Si4
SMILES: C[Si](C)(C)Nc1nc(O[Si](C)(C)C)c2ncn(C3CC(O[Si](C)(C)C)C(CO[Si](C)(C)C)O3)c2n1
Mol. weight [g/mol]: 555.97

Physical Properties

Property code	Value	Unit	Source
log10ws	1.55		Crippen Method
logp	5.646		Crippen Method
rinpol	2762.20		NIST Webbook
rinpol	2800.00		NIST Webbook
rinpol	2762.20		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=U332897&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.