N-Acetyl-D-glucosamine, tetrakis(trimethylsilyl) ether (isomer 1)

Inchi: InChI=1S/C20H47NO6Si4/c1-15(22)21-17-19(26-30(8,9)10)18(25-29(5,6)7)16(14-23-28(
InchiKey: XJUOQAHPURQCIE-UHFFFAOYSA-N
Formula: C20H47NO6Si4
SMILES: CC(=O)NC1C(O[Si](C)(C)C)OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C
Mol. weight [g/mol]: 509.93

Physical Properties

Property code	Value	Unit	Source
log10ws	4.25		Crippen Method
logp	4.359		Crippen Method
rinpol	2087.50		NIST Webbook
rinpol	2087.50		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=U380143&Units=SI

Legend

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