«alpha»-N-Acetyl-D-glucosamine, TMS

Inchi: InChI=1S/C19H45NO6Si4/c1-14(21)20-15-16(23-27(2,3)4)17(24-28(5,6)7)19(26-30(11,1
InchiKey: HUXJBHUJRMWUPT-OYSTVDSJSA-N
Formula: C19H45NO6Si4
SMILES: CC(=O)NC1C(O[Si](C)(C)C)OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C
Mol. weight [g/mol]: 495.91

Physical Properties

Property code	Value	Unit	Source
log10ws	4.18		Crippen Method
logp	4.317		Crippen Method
rinpol	2137.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R440825&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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