Guanine, 7-methyl, TMS

Other names: 7-Methylguanine, TMS
Inchi: InChI=1S/C12H23N5OSi2/c1-17-8-13-9-10(17)14-12(16-19(2,3)4)15-11(9)18-20(5,6)7/h8
InchiKey: WZBOXMAKWFFRLQ-UHFFFAOYSA-N
Formula: C12H23N5OSi2
SMILES: Cn1cnc2c(O[Si](C)(C)C)nc(N[Si](C)(C)C)nc21
Mol. weight [g/mol]: 309.51

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.77		Crippen Method
logp	2.824		Crippen Method
rinpol	2145.00		NIST Webbook
rinpol	2145.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R94008&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