7-Methylguanine, bis(trimethylsilyl) derivative

Other names: 1-Methylguanine, bis(trimethylsilyl) derivative
Inchi: InChI=1S/C12H23N5OSi2/c1-16-8-13-10-9(16)11(18)14-12(15-19(2,3)4)17(10)20(5,6)7/h
InchiKey: WBXNRBGSWJURGR-UHFFFAOYSA-N
Formula: C12H23N5OSi2
SMILES: Cn1cnc2c1c(=O)nc(N[Si](C)(C)C)n2[Si](C)(C)C
Mol. weight [g/mol]: 309.51

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.75		Crippen Method
logp	2.060		Crippen Method
rinpol	2196.20		NIST Webbook
rinpol	2196.20		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U333950&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