1H-Purine-2,6,8(3H)-trione, 7,9-dihydro-1,3,7,9-tetrakis(tert-butyldimethylsilyl)

Other names: Uric acid, tetraTBDMS
Uric acid, 4tbdms derivative

Inchi: InChI=1S/C29H60N4O3Si4/c1-26(2,3)37(13,14)30-21-22(31(24(30)35)38(15,16)27(4,5)6

InchiKey: RNXRXWWKHWGAEM-UHFFFAOYSA-N

Formula: C29H60N4O3Si4

SMILES: CC(C)(C)[Si](C)(C)n1c(=O)c2c(n([Si](C)(C)C(C)(C)C)c1=O)n([Si](C)(C)C(C)(C)C)c(=O)n2

Mol. weight [g/mol]: 625.15

Physical Properties

Property code	Value	Unit	Source
log10ws	0.08		Crippen Method
logp	7.540		Crippen Method
rinpol	2880.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U221809&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