

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

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)n
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/ci9903071

Legend

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

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