

Lysine, 4-hydroxy-, tetrakis(trimethylsilyl) deriv.

Other names:	4-OH-Lys, TMS, # 2
Inchi:	InChI=1S/C18H46N2O3Si4/c1-24(2,3)19-14-13-16(22-26(7,8)9)15-17(20-25(4,5)6)18(21
InchiKey:	OABDMURGUMXBDF-UHFFFAOYSA-N
Formula:	C18H46N2O3Si4
SMILES:	C[Si](C)(C)NCCC(CC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]:	450.91
CAS:	72175-17-8

Physical Properties

Property code	Value	Unit	Source
log10ws	3.89		Crippen Method
logp	4.582		Crippen Method
rinpola	2119.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C72175178&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
rinpola:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/74-913-6/Lysine-4-hydroxy-tetrakis-trimethylsilyl-deriv.pdf>

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