L-Ornithine, N2,N5,N5-tris(trimethylsilyl)-, trimethylsilyl ester

Other names: Ornithine, tetra(trimethylsilyl)-
Ornithine N5,N5,N2,O-tetra-TMS
N,N',N',O-Tetra-(trimethylsilyl)ornithine
L-Ornithine, tetrakis-(N5,N5,N2,O-TMS)
ORNITHINE (N,N,N,O-TMS)
L-ornithine, 4tms derivative

Inchi: InChI=1S/C17H44N2O2Si4/c1-22(2,3)18-16(17(20)21-25(10,11)12)14-13-15-19(23(4,5)6

InchiKey: PUQPCLIKLCAPHV-UHFFFAOYSA-N

Formula: C17H44N2O2Si4

SMILES: C[Si](C)(C)NC(CCCN([Si](C)(C)C)[Si](C)(C)C)C(=O)O[Si](C)(C)C

Mol. weight [g/mol]: 420.89

CAS: 55556-70-2

Physical Properties

Property code	Value	Unit	Source
log10ws	4.12		Crippen Method
logp	4.910		Crippen Method
rinpol	1814.60		NIST Webbook
rinpol	1797.60		NIST Webbook
rinpol	1743.80		NIST Webbook
rinpol	1797.60		NIST Webbook
rinpol	1814.60		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C55556702&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