Silanamine, N,1,1,1-tetramethyl-N-[1-methyl-2-phenyl-2-[(trime
[S-(R*,R*)]-

Other names: Ephedrine di-TMS
Ephedrine di-TMS derivative
R,R(-)-Pseudoephedrine, N-trimethylsilyl-, trimethylsilyl ether

Inchi: InChI=1S/C16H31NOSi2/c1-14(17(2)19(3,4)5)16(18-20(6,7)8)15-12-10-9-11-13-15/h9-14

InchiKey: NSADBSUKOIYJDH-UHFFFAOYSA-N

Formula: C16H31NOSi2

SMILES: CC(C(O[Si](C)(C)C)c1ccccc1)N(C)[Si](C)(C)C

Mol. weight [g/mol]: 309.59

CAS: 54965-14-9

Physical Properties

Property code	Value	Unit	Source
log10ws	0.05		Crippen Method
logp	4.734		Crippen Method
rinpol	1552.50		NIST Webbook
rinpol	1552.50		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C54965149&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