

Silanamine, N,1,1,1-tetramethyl-N-[1-methyl-2-phenyl-2-[(trimethylsilyloxy)ethyl]ethyl]ammonium

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:	NSADBSUKOIJDH-UHFFFAOYSA-N
Formula:	C16H31NOSi2
SMILES:	CC(C(O[Si](C)(C)C)c1cccc1)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/ci9903071
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

Latest version available from:

<https://www.chemeo.com/cid/92-480-7/Silanamine-N-1-1-1-tetramethyl-N-1-methyl-2-phenyl-2-trimethylsilyl-oxy-ethyl>

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