Silanamine, 1,1,1-trimethyl-N-phenyl-N-(trimethylsilyl)-

Other names: 1,1,1,3,3,3-hexamethyl-2-phenyldisilazane
1,1,1-trimethyl-N-phenyl-N-(trimethylsilyl)silanamine
Aniline, N,N-bis(trimethylsilyl)-
N,N-bis(trimethylsilyl)aniline
phenylbis(trimethylsilyl)amine

Inchi: InChI=1S/C12H23NSi2/c1-14(2,3)13(15(4,5)6)12-10-8-7-9-11-12/h7-11H,1-6H3

InchiKey: UUBHRQZKROMHOC-UHFFFAOYSA-N

Formula: C12H23NSi2

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

Mol. weight [g/mol]: 237.49

CAS: 4147-89-1

Physical Properties

Property code	Value	Unit	Source
ie	8.30	eV	NIST Webbook
log10ws	0.84		Crippen Method
logp	4.163		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbp	333.15	K	0.27	Synthesis and characterization of organosilicon compounds as novel precursors for CVD processes

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tbp:	Boiling point at given pressure