Silanamine, N,1,1,1-tetramethyl-N-(trimethylsilyl)-

Other names: Heptamethyldisilazane
Methylbis(trimethylsilyl)amine
N,1,1,1-tetramethyl-N-(trimethylsilyl)silylamine
N,1,1,1-tetramethyl-N-(trimethylsilyl)silanamine

Inchi: InChI=1S/C7H21NSi2/c1-8(9(2,3)4)10(5,6)7/h1-7H3

InchiKey: ZSMNRKGGHXLZEC-UHFFFAOYSA-N

Formula: C7H21NSi2

SMILES: CN([Si](C)(C)C)[Si](C)(C)C

Mol. weight [g/mol]: 175.42

CAS: 920-68-3

Physical Properties

Property code	Value	Unit	Source
hvap	38.10 ± 0.80	kJ/mol	NIST Webbook
log10ws	2.58		Crippen Method
logp	2.588		Crippen Method
rinpol	903.00		NIST Webbook
rinpol	903.00		NIST Webbook

Sources

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

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C920683&Units=SI

Legend

hvap: Enthalpy of vaporization at standard conditions

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices