

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

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<https://www.chemeo.com/cid/73-132-4/Silanamine-N-1-1-1-tetramethyl-N-trimethylsilyl.pdf>

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