

# Tris(trimethylsilyl)amine

<b>Other names:</b>	Silanamine, 1,1,1-trimethyl-N,N-bis(trimethylsilyl)- Amine, tris(trimethylsilyl)- Nonamethyltrisilazane <chem>((CH3)3Si)3N</chem> 1,1,1-trimethyl-N,N-bis(trimethylsilyl)silylamine
<b>Inchi:</b>	InChI=1S/C9H27NSi3/c1-11(2,3)10(12(4,5)6)13(7,8)9/h1-9H3
<b>InchiKey:</b>	PEGHITPVRNZWSI-UHFFFAOYSA-N
<b>Formula:</b>	C9H27NSi3
<b>SMILES:</b>	<chem>C[Si](C)(C)N([Si](C)(C)C)[Si](C)(C)C</chem>
<b>Mol. weight [g/mol]:</b>	233.57
<b>CAS:</b>	1586-73-8

## Physical Properties

Property code	Value	Unit	Source
ie	8.60	eV	NIST Webbook
log10ws	3.69		Crippen Method
logp	3.793		Crippen Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	1.77	kJ/mol	337.20	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1586738&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1586738&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

Latest version available from:

<https://www.cheméo.com/cid/10-103-5/Tris-trimethylsilyl-amine.pdf>

Generated by Cheméo on 2024-04-18 14:28:59.007690948 +0000 UTC m=+15739787.928268264.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.