Tris(trimethylsilyl)amine

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

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1586738&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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