N,N-Dimethyltrimethylsilamine

Other names:	Dimethylaminotrimethylsilane N,N-Dimethylaminotrimethylsilane N,N-Dimethyltrimethylsilylamine N-Trimethylsilyl-dimethylamine Silanamine, pentamethyl- CD5400 Dimethyl(trimethylsilyl)amine Pentamethylsilylamine Silanamine, N,N,1,1,1-pentamethyl- Pentamethylsilanamine
Inchi:	InChI=1S/C5H15NSi/c1-6(2)7(3,4)5/h1-5H3
InchiKey:	KAHVZNKZQFSBFW-UHFFFAOYSA-N
Formula:	C5H15NSi
SMILES:	CN(C)[Si](C)(C)C
Mol. weight [g/mol]:	117.26
CAS:	2083-91-2

Physical Properties

Property code	Value	Unit	Source
hvap	33.60 ± 0.80	kJ/mol	NIST Webbook
log10ws	1.46		Crippen Method
logp	1.383		Crippen Method
rinpol	660.00		NIST Webbook
rinpol	660.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	31.70	kJ/mol	335.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2083912&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices