

(CH₃)₂NCH₂Si(CH₃)₃

Other names:	Dimethyl(trimethylsilylmethyl)amine N,N-Dimethylamino(trimethylsilyl)methane
Inchi:	InChI=1S/C6H17NSi/c1-7(2)6-8(3,4)5/h6H2,1-5H3
InchiKey:	OUSBZHYDUVVKHE-UHFFFAOYSA-N
Formula:	C ₆ H ₁₇ NSi
SMILES:	CN(C)C[Si](C)(C)C
Mol. weight [g/mol]:	131.29
CAS:	18182-40-6

Physical Properties

Property code	Value	Unit	Source
affp	974.50	kJ/mol	NIST Webbook
basg	943.80	kJ/mol	NIST Webbook
ie	7.63 ± 0.05	eV	NIST Webbook
ie	8.20	eV	NIST Webbook
ie	7.61 ± 0.03	eV	NIST Webbook
ie	7.61	eV	NIST Webbook
log10ws	1.54		Crippen Method
logp	1.425		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18182406&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
ie:	Ionization energy

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

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