(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: C6H17NSi
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/ci990307l
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