

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-N-[2-[(trimethylsilyl)

Other names: 3-Oxa-6-aza-2,7-disilaoctane, 2,2,7,7-tetramethyl-6-(trimethylsilyl)-

Aminoethanol, O,N,N-tris-TMS

Ethanolamine, N,N-bis(trimethylsilyl)-, trimethylsilyl ether

Trimethyl-N-(trimethylsilyl)-N-(2-[(trimethylsilyl)oxy]ethyl)silanamine

Ethanolamine, 3tms derivative

Inchi: InChI=1S/C11H31NOSi3/c1-14(2,3)12(15(4,5)6)10-11-13-16(7,8)9/h10-11H2,1-9H3

InchiKey: MZTOEZRSUGVLOG-UHFFFAOYSA-N

Formula: C11H31NOSi3

SMILES: C[Si](C)(C)OCCN([Si](C)(C)C)[Si](C)(C)C

Mol. weight [g/mol]: 277.63

CAS: 5630-81-9

Physical Properties

Property code	Value	Unit	Source
log10ws	3.76		Crippen Method
logp	3.810		Crippen Method
rinpol	1265.50		NIST Webbook
rinpol	1281.00		NIST Webbook
rinpol	1259.00		NIST Webbook
rinpol	1269.00		NIST Webbook
rinpol	1259.00		NIST Webbook
rinpol	1258.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C5630819&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices

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