

Silane, trimethyl(phenylthio)-

Other names:	Phenylthiotrimethylsilane Phenyltrimethylsilyl sulfide S-Trimethylsilylthiophenol
Inchi:	InChI=1S/C9H14SSi/c1-11(2,3)10-9-7-5-4-6-8-9/h4-8H,1-3H3
InchiKey:	VJMQFIRIMMSSRW-UHFFFAOYSA-N
Formula:	C9H14SSi
SMILES:	C[Si](C)(C)Sc1ccccc1
Mol. weight [g/mol]:	182.36
CAS:	4551-15-9

Physical Properties

Property code	Value	Unit	Source
ie	8.30 ± 0.10	eV	NIST Webbook
ie	8.67 ± 0.05	eV	NIST Webbook
log10ws	-1.10		Crippen Method
logp	3.614		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4551159&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/67-214-0/Silane-trimethyl-phenylthio.pdf>

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