

Silane, trimethyl(phenylethynyl)-

Other names:	(Trimethylsilyl)phenylacetylene Phenyl(trimethylsilyl)acetylene Phenylethynyltrimethylsilane Trimethyl(phenylethynyl)silane 1-Phenyl-2-(trimethylsilyl)acetylene Acetylene, 1-phenyl-2-trimethylsilyl-
Inchi:	InChI=1S/C11H14Si/c1-12(2,3)10-9-11-7-5-4-6-8-11/h4-8H,1-3H3
InchiKey:	UZIXCCMXZQWTPB-UHFFFAOYSA-N
Formula:	C11H14Si
SMILES:	C[Si](C)(C)C#Cc1ccccc1
Mol. weight [g/mol]:	174.31
CAS:	2170-06-1

Physical Properties

Property code	Value	Unit	Source
ie	8.30	eV	NIST Webbook
ie	8.16	eV	NIST Webbook
ie	8.37	eV	NIST Webbook
log10ws	-0.98		Crippen Method
logp	2.915		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2170061&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

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