

# Silane, trimethyl(phenylethynyl)-

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

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

## Legend

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

**logp:** Octanol/Water partition coefficient

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