

Silane, trimethyl[(phenylthio)methyl]-

Other names: (Phenylthiomethyl)trimethylsilane;
Trimethyl(phenylthio)methylsilane.

InChI:

InChI=1S/C10H16SSi/c1-12(2,3)9-11-10-7-5-4-6-8-10/h4-8H,9H2,1-3H3

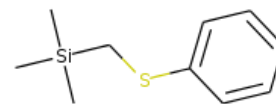
InChI Key: UOQDIMYVQSHALM-UHFFFAOYSA-N

Formula: C₁₀H₁₆SSi

SMILES: C[Si](C)(C)CS1ccccc1

Molecular Weight: 196.38

CAS: 17873-08-4



Physical Properties

Property	Value	Unit	Source
IE	7.81 ± 0.05	eV	NIST Webbook
$\log P_{\text{oct/wat}}$	3.66		Crippen Method

Sources

NIST Webbook:

[http://webbook.nist.gov/cgi/inchi/InChI=1S/C10H16SSi/c1-12\(2,3\)9-11-10-7-5-4-6-8-10/h4-8H,9H2,1-3H3](http://webbook.nist.gov/cgi/inchi/InChI=1S/C10H16SSi/c1-12(2,3)9-11-10-7-5-4-6-8-10/h4-8H,9H2,1-3H3)

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

IE: Ionization energy (eV).

$\log P_{\text{oct/wat}}$: Octanol/Water partition coefficient .

Latest version available from:

<https://www.cheméo.com/cid/85-552-5/Silane%2C%20trimethyl%5B%28phenylthio%29methyl%5D->

Generated by Cheméo on Fri, 18 Jun 2021 09:22:13 +0000.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.