



>>Entry Name: Trimethyl[(phenylseleno)methyl]silane, 9CI

Synonym(s): (Phenylselenomethyl)trimethylsilane. Phenyl trimethylsilylmethyl selenide. Phenylselenotrimethylsilylmethane

CAS Registry Number: 56253-60-2

PhSeCH₂SiMe₃

Molecular Formula: C₁₀H₁₆SeSi

Molecular Weight: 243.282

Accurate Mass: 244.018647

Percentage Composition: C 49.37%; H 6.63%; Se 32.46%; Si 11.54%

Source/Synthesis: Synth. from Ph₂Se₂ and NaBH₄, followed by Me₃SiCH₂Cl

Use/Importance: Commercially available. Reagent for conversion of halides to aldehydes

Physical Description: Oil

Boiling Point: Bp₆ 106°. Bp₁ 90°

Refractive Index: n_D²⁰ 1.5520

Aldrich: 37624-8

Fluka: 79137

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 708B, (*nmr*)

Sachdev, K. *et al.*, *Tet. Lett.*, 1976, 4223, (*synth*)

Ogura, F. *et al.*, *Synthesis*, 1983, 1006, (*reactions*)

Chehayber, J.M. *et al.*, *Inorg. Chim. Acta*, 1986, **111**, 51, (*synth, ir, pmr, cmr, Se-77 nmr*)

Sarkar, T.K. *et al.*, *Tet. Lett.*, 1989, **30**, 3333, (*synth*)