



>>Entry Name: Trimethyl(methylthio)silane, 9CI

Synonym(s): (Methylthio)trimethylsilane. Methyl trimethylsilyl sulfide

CAS Registry Number: 3908-55-2

Me₃SiSMe

Molecular Formula: C₄H₁₂SSi

Molecular Weight: 120.29

Accurate Mass: 120.042897

Percentage Composition: C 39.94%; H 10.05%; S 26.66%; Si 23.35%

Source/Synthesis: Synth. from Me₃SiCl + MeSLi

Use/Importance: Converts aldehydes and ketones into thioacetals or thioketals

Physical Description: Moisture-sensitive liq.

Boiling Point: Bp 110-111°

Aldrich: 35949-1

Fluka: 92758

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 675B, (*nmr*)

Evans, D.A. *et al.*, *J.A.C.S.*, 1975, **97**, 3229-3230; 1977, **99**, 5009-5017, (*synth, use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1980, **8**, 352, (*use*)