



>>Entry Name: **3-(Trimethylsilyl)-2-propynal**, 9CI

Synonym(s): (Formylethynyl)trimethylsilane

CAS Registry Number: 2975-46-4

Me3SiC#CCHO

Molecular Formula: C6H10OSi

Molecular Weight: 126.23

Accurate Mass: 126.050092

Percentage Composition: C 57.09%; H 7.98%; O 12.67%; Si 22.25%

Source/Synthesis: Synth. from Me3SiC#CH + EtMgBr, then DMF

Use/Importance: Intermed. in synth. of trimethylsilylallene

Physical Description: Liq.

Boiling Point: Bp₁₇ 52°

Density: d₄²⁰ 0.88

Refractive Index: n_D²⁰ 1.4425

Aldrich: W230-0

References:

Shostakovskii, M.F. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1964, 189-192; *CA*, **60**, 10067, (*ir*)

Komarov, N.V. *et al.*, *Zh. Obshch. Khim.*, 1966, **36**, 907-909; *CA*, **65**, 10607, (*synth, reactions*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1982, **10**, 428, (*use*)

Al-Hassan, M.I. *et al.*, *Magn. Reson. Chem.*, 1989, **27**, 1112-1116, (*cmr, Si-29 nmr*)

Iijima, T. *et al.*, *Chem. Pharm. Bull.*, 1999, **47**, 398-404, (*synth, pmr*)