



>>Entry Name: 4-(Trimethylsilyl)-3-butyne-2-one, 9CI

Synonym(s): (Acetylethynyl)trimethylsilane. Methyl trimethylsilylethynyl ketone

CAS Registry Number: 5930-98-3

Me3SiC#CCOCH3

Molecular Formula: $C_7H_{12}OSi$

Molecular Weight: 140.257

Accurate Mass: 140.065742

Percentage Composition: C 59.95%; H 8.62%; O 11.41%; Si 20.02%

Source/Synthesis: Synth. from Me3SiC#CSiMe3 + AcCl + AlCl3

Physical Description: Liq.

Boiling Point: B_{p28} 62-64°

Other Data: $\nu_{C\equiv C}$ 2155; $\nu_{C=O}$ 1680; ν_{SiMe3} 1260 cm^{-1}

Aldrich: 41867-6

References:

Logue, M.W. *et al.*, *J.O.C.*, 1975, **40**, 131, (*ir*, *pmr*, *synth*)

Voronkov, M.G. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1978, **238**, 874; *CA*, **88**, 151860, (*ir*, *uv*)

Stang, P.J. *et al.*, *Synthesis*, 1979, 438, (*ir*, *pmr*, *synth*)