>>**Entry Name: 1-Methoxy-1-trimethylsilyloxypropene**
Synonym(s): [(1-Methoxy-1-propenyl)oxy]trimethylsilane, 9CI

CAS Registry Number: 34880-70-1

Molecular Formula: $C_7H_{16}O_2Si$
Molecular Weight: 160.288
Accurate Mass: 160.091957
Percentage Composition: C 52.45%; H 10.06%; O 19.96%; Si 17.52%

Source/Synthesis: Synth. from H_3CCH_2COOMe + LDA, then Me_3SiCl
Use/Importance: Silylating agent; silylates alcohols, phenols, thiols, acids, amides, also enolisable ketones with catalytic $[Bu_4N]F$
Physical Description: Liq.
Boiling Point: Bp_{23} 46.5°

References:

Ainsworth, C. *et al.*, *J. Organomet. Chem.*, 1972, **46**, 59, *(pmr, synth)*
Kita, Y. *et al.*, *Tet. Lett.*, 1979, 4311, *(synth, use, silylation)*
Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1981, **9**, 310, *(synth, use)*
Kita, Y. *et al.*, *Synthesis*, 1982, 1089, *(use, silylation of ketones)*
Onaka, M. *et al.*, *Tet. Lett.*, 1989, **30**, 6341, *(use)*