



>>Entry Name: Trimethyl[(2-methyl-1-propenyl)oxy]silane, 9CI

Synonym(s): 2-Methyl-1-trimethylsilyloxy-1-propene

CAS Registry Number: 6651-34-9

$\text{Me}_3\text{SiOCH}=\text{CMe}_2$

Molecular Formula:  $\text{C}_7\text{H}_{16}\text{OSi}$

Molecular Weight: 144.288

Accurate Mass: 144.097042

Percentage Composition: C 58.27%; H 11.18%; O 11.09%; Si 19.46%

Source/Synthesis: Synth. from  $\text{Me}_2\text{CHCHO}$  +  $\text{Me}_3\text{SiCl}$  in DMF/ $\text{Et}_3\text{N}$

Use/Importance: Trimethylsilyl enol ether. Reagent for synth. of cyclobutanones

Physical Description: Liq.

Boiling Point:  $\text{Bp}_{650}$  114-116°

Aldrich: 40923-5

#### References:

Stang, P.J. *et al.*, *J.A.C.S.*, 1974, **96**, 4562, (*ir, pmr, synth*)

Rasmussen, J.K., *Synthesis*, 1977, 91, (*synth*)

Krepiski, L.R. *et al.*, *J.O.C.*, 1978, **43**, 3173, (*use*)

May, H. *et al.*, *Chem. Ber.*, 1990, **123**, 1571, (*use*)