



>>Entry Name: Trimethyl(2-propenyloxy)silane, 9CI

Synonym(s): Allyloxytrimethylsilane. 3-(Trimethylsiloxy)propene

CAS Registry Number: 18146-00-4

Me3SiOCH2CH=CH2

Molecular Formula: C₆H₁₄OSi

Molecular Weight: 130.261

Accurate Mass: 130.081392

Percentage Composition: C 55.32%; H 10.83%; O 12.28%; Si 21.56%

Source/Synthesis: Synth. from H₂C=CHCH₂OH and Me₃SiCl

Physical Description: Liq.

Boiling Point: Bp 97-99°

Density: d₄²⁰ 0.789

Refractive Index: n_D²⁰ 1.3970

Other Data: Alternating copolymers with Et acrylate and acrylonitrile have been synth.

Aldrich: 22606-8

Fluka: 6051

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 660B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1095D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1641D, (*ir*)

Klinkova, V.V. *et al.*, *Zh. Prikl. Spektrosk.*, 1972, **16**, 882; *CA*, **77**, 94874, (*ir*)

Schraml, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1976, **41**, 360, (*cmr*, Si-29 *nmr*)

Still, W.C. *et al.*, *J.O.C.*, 1976, **41**, 3620, (*synth*)

Steele, K.P. *et al.*, *Org. Mass Spectrom.*, 1982, **17**, 222, (*ms*)

Hirabayashi, T. *et al.*, *Macromolecules*, 1991, **24**, 4538, (*copolym*)