



>>Entry Name: Acetoxytrimethylsilane

ENTRY UNDER REVIEW

Synonym(s): Trimethylsilyl acetate. Acetic acid trimethylsilyl ester

CAS Registry Number: 2754-27-0

Me₃SiOAc

Molecular Formula: C₅H₁₂O₂Si

Molecular Weight: 132.234

Accurate Mass: 132.060657

Percentage Composition: C 45.42%; H 9.15%; O 24.20%; Si 21.24%

Source/Synthesis: Synth. from Me₃SiCl + HOAc

Physical Description: Liq.

Boiling Point: Bp 103°

Density: d₄²⁰ 0.87

Refractive Index: n_D²⁰ 1.3860

Aldrich: 28445-9

Fluka: 46053

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 683C, (nmr)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1658A, (ir)

Schuyten, W. *et al.*, *J.A.C.S.*, 1947, **69**, 2110, (synth)

Pola, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1974, **39**, 1169, (synth)

Itoh, K. *et al.*, *J. Organomet. Chem.*, 1974, **65**, 327, (ir, pmr, synth)

Morita, T. *et al.*, *Chem. Comm.*, 1978, 874, (synth)