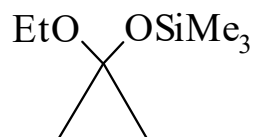




>>Entry Name: [(1-Ethoxycyclopropyl)oxy]trimethylsilane, 9CI

Synonym(s): 1-Ethoxy-1-trimethylsilyloxycyclopropane



CAS Registry Number: 27374-25-0

Molecular Formula: C₈H₁₈O₂Si

Molecular Weight: 174.314

Accurate Mass: 174.107607

Percentage Composition: C 55.12%; H 10.41%; O 18.36%; Si 16.11%

Source/Synthesis: Synth. from 1-ethoxy-1-hydroxycyclopropane and Me₃SiCl

Use/Importance: Functions as an equiv. of the homoenolate anion of ethyl propanoate in the presence of a Lewis acid

Physical Description: Stable, distillable oil

Boiling Point: B_p 45°

Refractive Index: n_D²⁰ 1.4132

Aldrich: 33273-9

Fluka: 2660

References:

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

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Rühlmann, K., *Synthesis*, 1971, 236-253, (*synth, rev*)

Nakamura, E. *et al.*, *J.A.C.S.*, 1977, **99**, 7360-7362; 1984, **106**, 3368-3370, (*use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1980, **8**, 219, (*use*)

Salaun, J. *et al.*, *J.O.C.*, 1980, **45**, 4129-4135, (*ms, pmr, synth*)

Org. Synth., 1985, **63**, 147-153, (*ir, pmr, synth*)

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