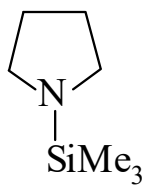




>>Entry Name: 1-(Trimethylsilyl)pyrrolidine, 9Cl

Synonym(s): Trimethyl(1-pyrrolidinyl)silane



CAS Registry Number: 15097-49-1

Molecular Formula: C₇H₁₇NSi

Molecular Weight: 143.303

Accurate Mass: 143.113026

Percentage Composition: C 58.67%; H 11.96%; N 9.77%; Si 19.60%

Source/Synthesis: Synth. from pyrrolidine + Me₃SiCl

Use/Importance: Used as silylating reagent for glc detn. of organic compds. with hydroxy, carboxy, amino, imino and mercapto groups

Physical Description: Liq.

Boiling Point: Bp 141-142°

Aldrich: 27737-1

Fluka: 92805

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1656A, (*ir*)

Itoh, K. *et al.*, *J.O.C.*, 1966, **31**, 3948, (*ir, synth*)

Nöth, H. *et al.*, *Chem. Ber.*, 1974, **107**, 518, (*N-14 nmr*)

Orlov, V.Y. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1976, 2251; *CA*, **86**, 71160, (*ms*)

Piekos, R. *et al.*, *J. Chromatogr.*, 1976, **116**, 315, (*use*)