



>>Entry Name: Trimethyl(4-methylphenyl)silane, 9CI

Synonym(s): Trimethyl-*p*-tolylsilane, 8CI. 4-Trimethylsilyltoluene. 1-Methyl-4-trimethylsilylbenzene

CAS Registry Number: 3728-43-6

Molecular Formula: C₁₀H₁₆Si

Molecular Weight: 164.322

Accurate Mass: 164.102127

Percentage Composition: C 73.09%; H 9.81%; Si 17.09%

Source/Synthesis: Synth. from 4-bromotoluene, (Me₃Si)₂ and MeLi in HMPT

Physical Description: Liq.

Boiling Point: Bp 192°. Bp_{12.5} 75°

References:

Freeburger, M.E. *et al.*, *J.O.C.*, 1971, **36**, 933, (*ms*)

Schraml, J. *et al.*, *J. Organomet. Chem.*, 1976, **120**, 41, (*cmr*, *Si-29 nmr*)

Larson, G.L. *et al.*, *Synth. React. Inorg. Met.-Org. Chem.*, 1976, **6**, 21, (*synth*)

Shippey, M.A. *et al.*, *J.O.C.*, 1977, **42**, 2654, (*synth*)

Effenburger, F. *et al.*, *Annalen*, 1979, 842, (*synth*)

Sleeve, M.C. *et al.*, *J.O.C.*, 1980, **45**, 5204, (*synth*)

Haubold, W. *et al.*, *J. Organomet. Chem.*, 1986, **315**, 1, (*pmr*)

Stang, P.J. *et al.*, *Tet. Lett.*, 1991, **32**, 7497, (*use*)