



>>Entry Name: Benzyltrichlorosilane

Synonym(s): Trichloro(phenylmethyl)silane, 9CI

CAS Registry Number: 770-10-5

PhCH₂SiCl₃

Molecular Formula: C₇H₇Cl₃Si

Molecular Weight: 225.576

Accurate Mass: 223.938258

Percentage Composition: C 37.27%; H 3.13%; Cl 47.15%; Si 12.45%

Source/Synthesis: Synth. from PhCH₂MgCl and SiCl₄

Physical Description: Liq.

Boiling Point: Bp₇₅₆ 213-214°. Bp₁₅ 100-102°

Density: d²⁰ 1.28

Refractive Index: n_D²⁰ 1.5250

Aldrich: 37449-0

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 705C, (*nmr*)

Knizek, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1968, **33**, 3470, (*ir*)

Benkeser, R.A. *et al.*, *J.A.C.S.*, 1969, **91**, 3666, (*synth*)

Schraml, J. *et al.*, *J. Organomet. Chem.*, 1973, **51**, C5, (*cmr*, *Si-29 nmr*)

Nguyen, D.-C. *et al.*, *Coll. Czech. Chem. Comm.*, 1975, **40**, 875, (*cmr*, *pmr*, *Si-29 nmr*)