



>>Entry Name: α -[(Trimethylsilyl)oxy]benzeneacetonitrile, 9Cl

Synonym(s): Phenyl(trimethylsilyloxy)acetonitrile, 8Cl

CAS Registry Number: 25438-37-3

Me3SiOCH(CN)Ph

Molecular Formula: $C_{11}H_{15}NOSi$

Molecular Weight: 205.331

Accurate Mass: 205.092291

Percentage Composition: C 64.35%; H 7.36%; N 6.82%; O 7.79%; Si 13.68%

Source/Synthesis: Synth. from PhCHO, KCN and Me_3SiCl

Use/Importance: Reagent for stereoselective synth. of 2-amino alcohols

Physical Description: Liq.

Boiling Point: Bp 253-254°. Bp_{0.5} 91°

References:

Rasmussen, J.R. *et al.*, *Synthesis*, 1978, 219, (*synth*)

Denchart, K. *et al.*, *Chem. Ber.*, 1979, **112**, 2045, (*synth*)

Cazean, P. *et al.*, *Synthesis*, 1982, 212, (*synth*)

Jackson, W.R. *et al.*, *Tet. Lett.*, 1990, **31**, 1447, (*use*)

Effenberger, F. *et al.*, *Annalen*, 1991, 269, (*use*)