



>>Entry Name: Phenyl selenocyanate

Synonym(s): Selenocyanatobenzene

CAS Registry Number: 2179-79-5

PhSeCN

Molecular Formula: C₇H₅NSe

Molecular Weight: 182.083

Accurate Mass: 182.958719

Percentage Composition: C 46.18%; H 2.77%; N 7.69%; Se 43.36%

Use/Importance: Reacts with alcohols to form phenylselenides, which can be transformed into alkanes, alkenes and alkyl halides

Physical Description: Liq.

Boiling Point: Bp₁₆ 125°

References:

Behaghel, O. *et al.*, *Ber.*, 1932, **65**, 812-816, (*synth*)

Grieco, P.A. *et al.*, *J.O.C.*, 1978, **43**, 1283-1285, (*use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1980, **8**, 396; 1984, **11**, 33; 1981, **9**, 34; 1984, **11**, 416, (*use*)

Nicolaou, K.C., *Selenium in Natural Products Synthesis*, CIS Inc., 1984, (*rev*)

Compr. Organic Synthesis, Pergamon, 1991, **1**, 629, (*rev*)