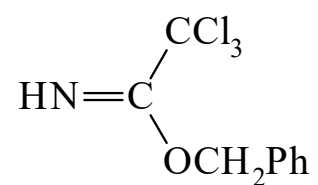




>>Entry Name: Benzyl trichloroacetimidate

Synonym(s): Phenylmethyl 2,2,2-trichloroethanamidate, 9Cl



CAS Registry Number: 81927-55-1

Molecular Formula: C₉H₈Cl₃NO

Molecular Weight: 252.526

Accurate Mass: 250.967145

Percentage Composition: C 42.81%; H 3.19%; Cl 42.12%; N 5.55%; O 6.34%

Use/Importance: Used in protection of alcohols and synth. of benzyl ethers

Melting Point: Mp 3°

Boiling Point: Bp_{0.5} 106°

Aldrich: 14033-3

Fluka: 91075

Sigma: B9666

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 1471C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 415A, (*ir*)

Cramer, F. *et al.*, *Chem. Ber.*, 1958, **91**, 1049, (*synth*)

Iversen, T. *et al.*, *Chem. Comm.*, 1981, 1240, (*use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1984, **11**, 44; 1988, **13**, 32, (*use*)

Wessel, H.P. *et al.*, *J.C.S. Perkin 1*, 1985, 2247, (*use*)