



>>Entry Name: 1-Chloro-2-methyl-2-phenylpropane

Synonym(s): (2-Chloro-1,1-dimethylethyl)benzene, 9Cl. Chloro-*tert*-butylbenzene. Neophyl chloride

CAS Registry Number: 515-40-2

$(\text{H}_3\text{C})_2\text{CPhCH}_2\text{Cl}$

Molecular Formula: $\text{C}_{10}\text{H}_{13}\text{Cl}$

Molecular Weight: 168.665

Accurate Mass: 168.070577

Percentage Composition: C 71.21%; H 7.77%; Cl 21.02%

Use/Importance: Musk intermed., acaricide intermed.

Boiling Point: Bp₇₄₁ 222° dec.. Bp₁₀ 97-98°

Aldrich: 24650-6

Fluka: 25200

Rare Chemicals Library: S55743-9

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 975C, (*ir*)

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 67A, (*nmr*)

Whitmore, F.C. *et al.*, *J.A.C.S.*, 1943, **65**, 1469-1471, (*synth*)

Org. Synth., *Coll. Vol.*, 4, 1963, 702-703, (*synth*)