



>>Entry Name: **2-Chloro-2-methylbutane**, 9CI

Synonym(s): *tert*-Amyl chloride. 3-Chloroisopentane. *tert*-Pentyl chloride

CAS Registry Number: 594-36-5

$(\text{H}_3\text{C})_2\text{CClCH}_2\text{CH}_3$

Molecular Formula: $\text{C}_5\text{H}_{11}\text{Cl}$

Molecular Weight: 106.595

Accurate Mass: 106.054927

Percentage Composition: C 56.34%; H 10.40%; Cl 33.26%

Melting Point: Mp -73°

Boiling Point: Bp 86°

Density: d_{15}^{15} 0.869

Refractive Index: n_D^{18} 1.4070

Hazard & Toxicity: Highly flammable, fl. p. 3°

Aldrich: 27702-9

Fluka: 25110

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 98A, (*ir*)

Normant, J.F. *et al.*, *Bull. Soc. Chim. Fr.*, 1972, 2854, (*synth*)

Dubois, J.-E. *et al.*, *Tetrahedron*, 1975, **31**, 1227, (*synth*)

Hepburn, D.R. *et al.*, *J.C.S. Perkin 1*, 1976, 754, (*synth*)

Dubois, J.-E. *et al.*, *Bull. Soc. Chim. Fr.*, 1977, 683

Estel, D. *et al.*, *J. Prakt. Chem.*, 1981, **323**, 262, (*synth*)

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