



>>Entry Name: 1-Chloro-3-methyl-2-butene, 9Cl

Synonym(s): Dimethylallyl chloride. Isoprene hydrochloride. Prenyl chloride

CAS Registry Number: 503-60-6

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

Molecular Formula: $\text{C}_5\text{H}_9\text{Cl}$

Molecular Weight: 104.579

Accurate Mass: 104.039277

Percentage Composition: C 57.43%; H 8.67%; Cl 33.90%

Physical Description: Liq.

Boiling Point: Bp 109° part. dec.. Bp₁₀₀ 52°

Density: d_4^{15} 0.938

Hazard & Toxicity: Lachrymator

Aldrich: 30325-9

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 139A, (nmr)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 136A, (ir)

Jones, W.J. *et al.*, *J.C.S.*, 1946, 832, (synth)

Chuit, C. *et al.*, *Tetrahedron*, 1976, **32**, 1675, (synth)

Barbot, F. *et al.*, *Bull. Soc. Chim. Fr.*, 1977, 113, (synth)

Magid, R.M. *et al.*, *J.O.C.*, 1979, **44**, 359, (synth)

Vani, P.V.S.N. *et al.*, *Synth. Commun.*, 2001, **31**, 219-224, (synth, pmr)