



>>Entry Name: 2-Chloropentane, 9CI

Synonym(s): *sec*-Amyl chloride. 2-Pentyl chloride

CAS Registry Number: 625-29-6

$\text{H}_3\text{CCH}_2\text{CH}_2\text{CHClCH}_3$

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%

Rare Chemicals Library: S64850-7

>>Variant: (+)-form

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 -137°

Boiling Point: Bp 96.86°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +42.46$

>>Variant: ($\pm$)-form

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%

Physical Description: Liq.

Boiling Point: Bp $95-97^\circ$

Density: d_4^{20} 0.87

Refractive Index: n_{D}^{20} 1.4060

References:

Norris, J.F. *et al.*, *J.A.C.S.*, 1924, **46**, 753, (*synth*)

Hass, H.B. *et al.*, *Ber.*, 1934, **67**, 974; *CA*, **29**, 5774

Brauns, D.H., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1946, **65**, 799; 1950, **69**, 1175