



>>Entry Name: 5-Chloropentanal

CAS Registry Number: 20074-80-0

ClCH2(CH2)3CHO

Molecular Formula: C_5H_9ClO

Molecular Weight: 120.578

Accurate Mass: 120.034192

Percentage Composition: C 49.81%; H 7.52%; Cl 29.40%; O 13.27%

Physical Description: Oil

Boiling Point: Bp₁₀ 60-66°

>>Derivative: Di-Me acetal

Synonym(s): 5-Chloro-1,1-dimethoxypentane

CAS Registry Number: 92886-56-1

Molecular Formula: $C_7H_{15}ClO_2$

Molecular Weight: 166.647

Accurate Mass: 166.076057

Percentage Composition: C 50.45%; H 9.07%; Cl 21.27%; O 19.20%

Physical Description: Liq.

Boiling Point: Bp_{1.5} 60-64°

References:

Kuehne, M.E. *et al.*, *J.O.C.*, 1981, **46**, 2002, (*synth, ir, pmr*)

Hoffmann, R.W. *et al.*, *Annalen*, 1993, 771, (*synth, pmr, cmr, deriv*)

Aurell, M.J. *et al.*, *Tetrahedron*, 1997, **53**, 10883-10898, (*synth, pmr*)