



>>Entry Name: 3-(Chloromethyl)pyridine, 9Cl

Synonym(s): ω-Chloro-β-picoline

CAS Registry Number: 3099-31-8

Molecular Formula: C₆H₆ClN

Molecular Weight: 127.573

Accurate Mass: 127.018876

Percentage Composition: C 56.49%; H 4.74%; Cl 27.79%; N 10.98%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 142-145°

Other Data: Unstable

>>Derivative: Hydrochloride

CAS Registry Number: 6959-48-4

Melting Point: Mp 137-143°

Aldrich: P4360-2

Fluka: 25262

>>Derivative: Picrate

Melting Point: Mp 130.5-132°

>>Derivative: N-Oxide

Molecular Formula: C₆H₆ClNO

Molecular Weight: 143.572

Accurate Mass: 143.013791

Percentage Composition: C 50.19%; H 4.21%; Cl 24.69%; N 9.76%; O 11.14%

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 135-137°

>>Derivative: N-Oxide; hydrochloride

CAS Registry Number: 20979-33-3

Use/Importance: Reagent for protection of SH groups

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 98-100°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 262C, (*nmr*)

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Mosher, H.S. *et al.*, *J.A.C.S.*, 1951, **73**, 4925, (*synth*)

Schmid, E.D. *et al.*, *Spectrochim. Acta*, 1966, **22**, 1645, (*ir*)

Joekle, R. *et al.*, *Z. Naturforsch., A*, 1966, **11**, 1906, (*ir*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1977, **6**, 472

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CIV000