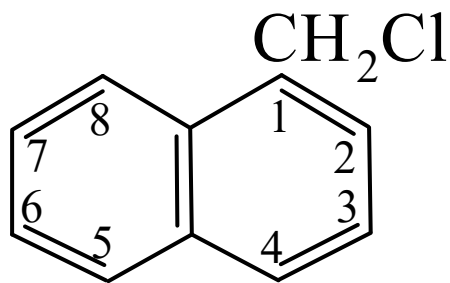




>>Entry Name: 1-(Chloromethyl)naphthalene

Synonym(s): α -Naphthylmethyl chloride. α -Menaphthyl chloride



CAS Registry Number: 86-52-2

Molecular Formula: $C_{11}H_9Cl$

Molecular Weight: 176.645

Accurate Mass: 176.039277

Percentage Composition: C 74.79%; H 5.14%; Cl 20.07%

Physical Description: Prisms or flakes

Melting Point: Mp 31-32°

Boiling Point: Bp 291-292°. Bp₁₃ 150-152°

Other Data: Polymerises on heating

Aldrich: C5420-1

Fluka: 25170

>>Derivative: Picrate

Physical Description: Yellow needles

Melting Point: Mp 84°. Mp 100°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1028B, (*ir*)

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 169A, (*nmr*)

Grummitt, O. *et al.*, *J.A.C.S.*, 1943, **65**, 295, (*synth, bibl*)

Org. Synth., 1944, **24**, 30, (*synth*)

Cum, G. *et al.*, *J.C.S.(C)*, 1967, 1590, (*ir, nmr*)

Kleinfetter, D.C. *et al.*, *J.O.C.*, 1969, **34**, 1741, (*nmr*)

Scharz, H. *et al.*, *Org. Mass Spectrom.*, 1973, **7**, 23, (*ms*)

Natale, N.R. *et al.*, *J. Med. Chem.*, 1999, **42**, 3087-3093, (*synth, pmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, CIP750