



>>Entry Name: 1-Chloromethyl-3-nitrobenzene

Synonym(s): α -Chloro-3-nitrotoluene. *m*-Nitrobenzyl chloride

CAS Registry Number: 619-23-8

Molecular Formula: C₇H₆ClNO₂

Molecular Weight: 171.583

Accurate Mass: 171.008706

Percentage Composition: C 49.00%; H 3.52%; Cl 20.66%; N 8.16%; O 18.65%

Physical Description: Pale yellow needles (petrol)

Melting Point: Mp 45-47°

Boiling Point: Bp_{32.5} 173-183° (lit. gives a pressure range)

Aldrich: 19116-7

Fluka: 73182

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 688A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1334B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1187B, (*ir*)

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

Habboush, A.E. *et al.*, *J. Chromatogr.*, 1962, **7**, 438, (*glc*)

Fr. Pat., 1966, 1 409 271; *CA*, **64**, 641b, (*synth*)

Yokoyama, T. *et al.*, *J.O.C.*, 1969, **34**, 1859, (*nmr*)

Scheimenz, G.P., *Tetrahedron*, 1971, **27**, 5723, (*uv*)

Exner, O. *et al.*, *Coll. Czech. Chem. Comm.*, 1972, **37**, 2156, (*ir*)