



>>Entry Name: 1-(Chloromethyl)-3-fluorobenzene

Synonym(s): α -Chloro-*m*-fluorotoluene. *m*-Fluorobenzyl chloride

CAS Registry Number: 456-42-8

Molecular Formula: C₇H₆ClF

Molecular Weight: 144.575

Accurate Mass: 144.014205

Percentage Composition: C 58.15%; H 4.18%; Cl 24.52%; F 13.14%

Boiling Point: Bp₁₅ 67-68°

Density: d₄²⁰ 1.216

Refractive Index: n_D²⁰ 1.5126

Aldrich: F780-6

Fluka: 46821

Sigma: F0253

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 81A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 986A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 903C, (*ir*)

Bennett, G.M. *et al.*, *J.C.S.*, 1935, 1815, (*synth*)

Taft, R.W. *et al.*, *J.A.C.S.*, 1963, **85**, 709, (*synth*, *F-19 nmr*)

Sheppard, W.A., *Tetrahedron*, 1971, **27**, 945, (*synth*, *F-19 nmr*)

Verdonek, L. *et al.*, *Spectrochim. Acta A*, 1973, **29**, 813, (*ir*, *Raman*)

Happer, D.A.R. *et al.*, *Org. Magn. Reson.*, 1983, **21**, 252, (*F-19 nmr*)