



>>Entry Name: (Fluoromethyl)benzene, 9CI

Synonym(s): α -Fluorotoluene. Benzyl fluoride

CAS Registry Number: 350-50-5

PhCH₂F

Molecular Formula: C₇H₇F

Molecular Weight: 110.131

Accurate Mass: 110.053178

Percentage Composition: C 76.34%; H 6.41%; F 17.25%

Physical Description: Liq.

Melting Point: Mp -35°

Boiling Point: Bp₇₅₃ 140°. Bp₁₄ 40°

Density: d₄²⁵ 1.023

Hazard & Toxicity: Can explode spontaneously on long storage

References:

Ingold, C.K. *et al.*, *J.C.S.*, 1928, 2257, (*synth*, *uv*)

Muller, N. *et al.*, *J. Phys. Chem.*, 1963, **67**, 112, (*nmr*)

Yeo, A.N.H. *et al.*, *Chem. Comm.*, 1970, 886, (*ms*)

Shapiro, M.J., *J.O.C.*, 1976, **41**, 3197, (*cmr*)

Mason, T.J. *et al.*, *J. Chem. Res., Synop.*, 1986, 300, (*synth*)

Szucs, S.S., *Chem. Eng. News*, Aug. 20., 1990, 4, (*haz*)