



>>Entry Name: 1-Fluoro-2-iodoethane, 9CI

Synonym(s): 2-Fluoroethyl iodide

CAS Registry Number: 762-51-6

ICH₂CH₂F

Molecular Formula: C₂H₄FI

Molecular Weight: 173.957

Accurate Mass: 173.934176

Percentage Composition: C 13.81%; H 2.32%; F 10.92%; I 72.95%

Physical Description: Liq.

Boiling Point: Bp 98-102°

Density: d₄²⁵ 2.14

Refractive Index: n_D²⁵ 1.5010

Hazard & Toxicity: LD₅₀ (mus, scu) 28 mg/kg

References:

Henne, A.L. *et al.*, *J.A.C.S.*, 1936, **58**, 889, (*synth*)

Pattison, F.L.M. *et al.*, *J.O.C.*, 1956, **21**, 748, (*synth*)

Hine, J. *et al.*, *J.O.C.*, 1958, **23**, 1550, (*synth*)

El Bermami, M.F. *et al.*, *J. Chem. Phys.*, 1968, **49**, 340, (*ir, Raman*)

Olah, G.A. *et al.*, *J.O.C.*, 1979, **44**, 3872, (*synth*)

Chesis, P.L. *et al.*, *J. Med. Chem.*, 1990, **33**, 1482, (*synth, pmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, FIQ000