



>>Entry Name: 1-Fluorobutane, 9CI, 8CI

Synonym(s): Butyl fluoride

CAS Registry Number: 2366-52-1

$\text{H}_3\text{CCH}_2\text{CH}_2\text{CH}_2\text{F}$

Molecular Formula: $\text{C}_4\text{H}_9\text{F}$

Molecular Weight: 76.114

Accurate Mass: 76.068828

Percentage Composition: C 63.12%; H 11.92%; F 24.96%

Physical Description: Volatile liq.

Boiling Point: Bp 32.5°

Solubility: Insol. H_2O , misc. EtOH, Et_2O

References:

Desreux, V., *Chem. Zentralbl.*, 1934, **2**, 2516, (*synth*)

Wiechert, K. *et al.*, *J. Prakt. Chem.*, 1960, **10**, 290, (*synth*)

Hooper, D.L. *et al.*, *J. Mol. Spectrosc.*, 1967, **24**, 277, (*nmr, pmr*)

Olah, G.A. *et al.*, *J.A.C.S.*, 1974, **96**, 925, (*synth*)

Dedek, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1978, **43**, 985, (*synth*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 447