



>>Entry Name: 1-Fluorooctane, 9CI

Synonym(s): *n*-Octyl fluoride

CAS Registry Number: 463-11-6

$\text{H}_3\text{C}(\text{CH}_2)_6\text{CH}_2\text{F}$

Molecular Formula: $\text{C}_8\text{H}_{17}\text{F}$

Molecular Weight: 132.221

Accurate Mass: 132.131428

Percentage Composition: C 72.67%; H 12.96%; F 14.37%

Physical Description: Liq.

Boiling Point: Bp 142-144°

Other Data: n_{D}^{20} 1.3955

Hazard & Toxicity: LD₅₀ (mus, ipr) 2.7 mg/kg

Aldrich: 25009-0

References:

Macey, W.A.T., *J. Phys. Chem.*, 1960, **64**, 254, (*synth*)

Landini, D. *et al.*, *Synthesis*, 1974, 428, (*synth*)

Badone, D. *et al.*, *Synthesis*, 1987, 920, (*synth*)