



>>Entry Name: 1-Fluoro-2-propanol

Synonym(s): Isopropylenefluorohydrin

CAS Registry Number: 430-50-2

$\text{H}_3\text{CCH}(\text{OH})\text{CH}_2\text{F}$

Molecular Formula: $\text{C}_3\text{H}_7\text{FO}$

Molecular Weight: 78.086

Accurate Mass: 78.048093

Percentage Composition: C 46.15%; H 9.04%; F 24.33%; O 20.49%

>>Variant: ($\pm$)-form

CAS Registry Number: 19785-85-4

Molecular Formula: $\text{C}_3\text{H}_7\text{FO}$

Molecular Weight: 78.086

Accurate Mass: 78.048093

Percentage Composition: C 46.15%; H 9.04%; F 24.33%; O 20.49%

Physical Description: Liq. with pleasant odour

Boiling Point: Bp 107-108°

Density: d_{20}^{20} 1.02

Refractive Index: n_D^{20} 1.3822

>>Derivative: α -Naphthylurethane

Physical Description: Powder (EtOAc)

Melting Point: Mp 81-83°

References:

Knunyants, I.L. *et al.*, *Zh. Obshch. Khim.*, 1947, **19**, 95-100; *J. Gen. Chem. USSR (Engl. Transl.)*, 1947, **19**, 87-91, (*synth*)

Bergmann, E.D. *et al.*, *J.C.S.(C)*, 1966, 899-900, (*synth*)

Xing, D. *et al.*, *J. Med. Chem.*, 2000, **43**, 639-648, (*synth*, *pmr*)