



>>Entry Name: 2-Fluoropropanoic acid, 9CI

CAS Registry Number: 6087-13-4

Related CAS Registry Numbers(s): 349-43-9 2366-56-5 57965-29-4 72959-94-5 72959-95-6 75244-22-3
H3CCHF(=O)O

Molecular Formula: C3H5FO2

Molecular Weight: 92.07

Accurate Mass: 92.027358

Percentage Composition: C 39.14%; H 5.47%; F 20.63%; O 34.75%

>>Variant: (±)-form

Molecular Formula: C3H5FO2

Molecular Weight: 92.07

Accurate Mass: 92.027358

Percentage Composition: C 39.14%; H 5.47%; F 20.63%; O 34.75%

Physical Description: Liq.

Boiling Point: Bp 163°

Other Data: Strongly hydrophilic; difficult to sep. from aq. solns.

>>Derivative: Me ester

CAS Registry Number: 94726-03-1

Molecular Formula: C4H7FO2

Molecular Weight: 106.096

Accurate Mass: 106.043008

Percentage Composition: C 45.28%; H 6.65%; F 17.91%; O 30.16%

Physical Description: Liq.

Boiling Point: Bp 106.5-108.5°

>>Derivative: Et ester

CAS Registry Number: 127306-59-6

Molecular Formula: C5H9FO2

Molecular Weight: 120.123

Accurate Mass: 120.058658

Percentage Composition: C 49.99%; H 7.55%; F 15.82%; O 26.64%

Physical Description: Liq.

Boiling Point: Bp 122.5-123°

>>Derivative: Chloride

CAS Registry Number: 159249-10-2

Extra CAS Registry Numbers(s): 430-97-7

Molecular Formula: C3H4ClFO

Molecular Weight: 110.515

Accurate Mass: 109.99347

Percentage Composition: C 32.60%; H 3.65%; Cl 32.08%; F 17.19%; O 14.48%

Physical Description: Liq.

Boiling Point: Bp 80.5-81°

>>Derivative: Amide

CAS Registry Number: 430-98-8

Molecular Formula: C3H6FNO

Molecular Weight: 91.085

Accurate Mass: 91.043342

Percentage Composition: C 39.56%; H 6.64%; F 20.86%; N 15.38%; O 17.57%

Physical Description: Cryst.

Melting Point: Mp 75-76°