



>>Entry Name: Difluoroacetic acid, 9CI

CAS Registry Number: 381-73-7
F₂HCCOOH

Molecular Formula: C₂H₂F₂O₂
Molecular Weight: 96.033
Accurate Mass: 96.002286
Percentage Composition: C 25.01%; H 2.10%; F 39.57%; O 33.32%
Physical Description: Liq.
Melting Point: Fp -0.35°
Boiling Point: Bp 134°. Bp₂₀ 67-70°

Aldrich: 14285-9
Fluka: 36935

>>Derivative: Me ester

CAS Registry Number: 433-53-4
Molecular Formula: C₃H₄F₂O₂
Molecular Weight: 110.06
Accurate Mass: 110.017936
Percentage Composition: C 32.74%; H 3.66%; F 34.52%; O 29.07%
Physical Description: Liq.
Boiling Point: Bp 85-86°

>>Derivative: Et ester

CAS Registry Number: 454-31-9
Molecular Formula: C₄H₆F₂O₂
Molecular Weight: 124.087
Accurate Mass: 124.033586
Percentage Composition: C 38.72%; H 4.87%; F 30.62%; O 25.79%
Boiling Point: Bp 99°

>>Derivative: Fluoride

CAS Registry Number: 2925-22-6
Molecular Formula: C₂HF₃O
Molecular Weight: 98.024
Accurate Mass: 97.997949
Percentage Composition: C 24.51%; H 1.03%; F 58.14%; O 16.32%
Physical Description: Gas
Boiling Point: Bp 0°
Other Data: Unstable above -30°

>>Derivative: Chloride

CAS Registry Number: 381-72-6
Molecular Formula: C₂HClF₂O
Molecular Weight: 114.479
Accurate Mass: 113.968398
Percentage Composition: C 20.98%; H 0.88%; Cl 30.97%; F 33.19%; O 13.98%
Physical Description: Fuming liq.
Boiling Point: Bp 25° (32°)

>>Derivative: Amide

CAS Registry Number: 359-38-6
Molecular Formula: C₂H₃F₂NO
Molecular Weight: 95.049
Accurate Mass: 95.01827
Percentage Composition: C 25.27%; H 3.18%; F 39.98%; N 14.74%; O 16.83%
Physical Description: Prisms (C₆H₆)
Melting Point: Mp 52° (47-49°)
Boiling Point: Bp₃₅ 108.6°
Solubility: Sol. H₂O