



>>Entry Name: Difluoropropanedioic acid, 9CI

Synonym(s): Difluoromalonic acid

CAS Registry Number: 1514-85-8

$\text{F}_2\text{C}(\text{COOH})_2$

Molecular Formula: $\text{C}_3\text{H}_2\text{F}_2\text{O}_4$

Molecular Weight: 140.043

Accurate Mass: 139.992116

Percentage Composition: C 25.73%; H 1.44%; F 27.13%; O 45.70%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 118°

>>Derivative: Di-Me ester

CAS Registry Number: 379-95-3

Molecular Formula: $\text{C}_5\text{H}_6\text{F}_2\text{O}_4$

Molecular Weight: 168.097

Accurate Mass: 168.023416

Percentage Composition: C 35.73%; H 3.60%; F 22.60%; O 38.07%

Physical Description: Liq.

Boiling Point: Bp 167-169°. Bp₁₂ 60-62°

>>Derivative: Di-Et ester

CAS Registry Number: 680-65-9

Molecular Formula: $\text{C}_7\text{H}_{10}\text{F}_2\text{O}_4$

Molecular Weight: 196.15

Accurate Mass: 196.054716

Percentage Composition: C 42.86%; H 5.14%; F 19.37%; O 32.63%

Physical Description: Liq.

Boiling Point: Bp 184°. Bp₁ 53°

>>Derivative: Difluoride

CAS Registry Number: 5930-67-6

Molecular Formula: $\text{C}_3\text{F}_4\text{O}_2$

Molecular Weight: 144.026

Accurate Mass: 143.983442

Percentage Composition: C 25.02%; F 52.76%; O 22.22%

Physical Description: Gas

Boiling Point: Bp -9°

>>Derivative: Dichloride

CAS Registry Number: 425-98-9

Molecular Formula: $\text{C}_3\text{Cl}_2\text{F}_2\text{O}_2$

Molecular Weight: 176.935

Accurate Mass: 175.92434

Percentage Composition: C 20.37%; Cl 40.07%; F 21.48%; O 18.09%

Physical Description: Liq.

Boiling Point: Bp 68°

>>Derivative: Diamide

CAS Registry Number: 425-99-0

Molecular Formula: $\text{C}_3\text{H}_4\text{F}_2\text{N}_2\text{O}_2$

Molecular Weight: 138.074

Accurate Mass: 138.024084

Percentage Composition: C 26.10%; H 2.92%; F 27.52%; N 20.29%; O 23.18%

Physical Description: Cryst. (Et_2O)

Melting Point: Mp 207°