>>**Entry Name: Difluoropropanedioic acid,** 9Cl
Synonym(s): Difluoromalonic acid

CAS Registry Number: 1514-85-8
$F_2C(COOH)_2$

Molecular Formula: $C_3H_2F_2O_4$
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: $C_5H_6F_2O_4$
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°. Bp_{12} 60-62°

>>**Derivative:** Di-Et ester

CAS Registry Number: 680-65-9
Molecular Formula: $C_7H_{10}F_2O_4$
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°. Bp_1 53°

>>**Derivative:** Difluoride

CAS Registry Number: 5930-67-6
Molecular Formula: $C_3F_4O_2$
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: $C_3Cl_2F_2O_2$
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: $C_3H_4F_2N_2O_2$
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°

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