



>>Derivative: Monochloride

CAS Registry Number: 51932-41-3

Molecular Formula: $C_3H_3ClO_3$

Molecular Weight: 122.508

Accurate Mass: 121.977072

Percentage Composition: C 29.41%; H 2.47%; Cl 28.94%; O 39.18%

Physical Description: Needles ($CHCl_3$ /petrol or CS_2)

Melting Point: Mp 68°

Solubility: Sol. Et_2O , C_6H_6 , $CHCl_3$

>>Derivative: Chloride-Me ester

CAS Registry Number: 37517-81-0

Molecular Formula: $C_4H_5ClO_3$

Molecular Weight: 136.534

Accurate Mass: 135.992722

Percentage Composition: C 35.19%; H 3.69%; Cl 25.97%; O 35.15%

Boiling Point: Bp₁₅ 71°. Bp₁₀ 63-64°

Aldrich: 16401-1

Fluka: 63406

>>Derivative: Chloride-Et ester

Synonym(s): Ethyl chloroformylacetate

CAS Registry Number: 36239-09-5

Molecular Formula: $C_5H_7ClO_3$

Molecular Weight: 150.561

Accurate Mass: 150.008372

Percentage Composition: C 39.89%; H 4.69%; Cl 23.55%; O 31.88%

Boiling Point: Bp₁₀ 60-61°

Refractive Index: n_D^{20} 1.4280

Aldrich: 16387-2

Fluka: 63398

>>Derivative: Dichloride

Synonym(s): Propanedioyl chloride, 9Cl. Malonyl chloride, 8Cl

CAS Registry Number: 1663-67-8

Molecular Formula: $C_3H_2Cl_2O_2$

Molecular Weight: 140.953

Accurate Mass: 139.943184

Percentage Composition: C 25.56%; H 1.43%; Cl 50.30%; O 22.70%

Boiling Point: Bp₂₇ 58°

Aldrich: M160-1

Fluka: 63360

>>Derivative: Monoamide

Synonym(s): 3-Amino-3-oxopropanoic acid. Malonamic acid

CAS Registry Number: 2345-56-4

Molecular Formula: $C_3H_5NO_3$

Molecular Weight: 103.077

Accurate Mass: 103.026944

Percentage Composition: C 34.96%; H 4.89%; N 13.59%; O 46.57%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 110-115 dec.°

Rare Chemicals Library: S93743-6