



>>Derivative: Amide

Synonym(s): 2-Oxoacetamide, 9Cl. Glyoxylamide

CAS Registry Number: 60939-21-1

Molecular Formula:  $C_2H_3NO_2$

Molecular Weight: 73.051

Accurate Mass: 73.016379

Percentage Composition: C 32.88%; H 4.14%; N 19.17%; O 43.80%

Physical Description: Hygroscopic cryst. + 3H<sub>2</sub>O (EtOH)

Melting Point: Mp 134°

Other Data: Little descr., struct. not fully establ.

>>Derivative: Anilide

Synonym(s): 2-Oxo-*N*-phenylacetamide, 9Cl. Oxanilaldehyde

CAS Registry Number: 32331-75-2

Molecular Formula:  $C_8H_7NO_2$

Molecular Weight: 149.149

Accurate Mass: 149.047679

Percentage Composition: C 64.42%; H 4.73%; N 9.39%; O 21.45%

Melting Point: Mp 77-78°

>>Derivative: Anilide, 2,4-dinitrophenylhydrazone

Melting Point: Mp 171-172°

>>Derivative: Nitrile

>>Derivative: Di-Me acetal

Synonym(s): Dimethoxyacetic acid, 9Cl

CAS Registry Number: 73569-40-1

Molecular Formula:  $C_4H_8O_4$

Molecular Weight: 120.105

Accurate Mass: 120.04226

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

Melting Point: Mp 69-70°

>>Derivative: Di-Me acetal, Me ester

Synonym(s): Methyl dimethoxyacetate

CAS Registry Number: 89-91-8

Molecular Formula:  $C_5H_{10}O_4$

Molecular Weight: 134.132

Accurate Mass: 134.05791

Percentage Composition: C 44.77%; H 7.51%; O 47.71%

Boiling Point: Bp<sub>18</sub> 67°

Aldrich: 29463-2

Fluka: 38770

Rare Chemicals Library: S55204-6

>>Derivative: Di-Et acetal

Synonym(s): Diethoxyacetic acid

CAS Registry Number: 20461-86-3

Molecular Formula:  $C_6H_{12}O_4$

Molecular Weight: 148.158

Accurate Mass: 148.07356

Percentage Composition: C 48.64%; H 8.16%; O 43.20%

Boiling Point: Bp<sub>11</sub> 108-110°