>>**Entry Name: 2-Aminoacetamide,** 9CI
Synonym(s): Glycine amide. Glycinamide

CAS Registry Number: 598-41-4
$H_2NCH_2CO^{\alpha}NH_2$

Molecular Formula: $C_2H_6N_2O$
Molecular Weight: 74.082
Accurate Mass: 74.048013
Percentage Composition: C 32.43%; H 8.16%; N 37.81%; O 21.60%
Physical Description: Needles
Melting Point: Mp 65-67°
Solubility: Sol. H_2O, EtOH; spar. sol. Et_2O, C_6H_6
pKa Value: pK_a 7.95 (25°)
Other Data: Strongly alkaline. Absorbs CO_2 from air

>>**Derivative:** Hydrochloride

CAS Registry Number: 1668-10-6
Melting Point: Mp 207-208°
Aldrich: G610-4
Fluka: 50070
Sigma: G7378

>>**Derivative:** N^{α}-Formyl

Molecular Formula: $C_3H_6N_2O_2$
Molecular Weight: 102.093
Accurate Mass: 102.042928
Percentage Composition: C 35.29%; H 5.92%; N 27.44%; O 31.34%
Use/Importance: Intermed. in purine biosynthesis
Physical Description: Amorph.

>>**Derivative:** N^{α}-(2,6-Dimethylphenyl)

References: