>>**Derivative:** *N*-Me; hydrochloride

Melting Point: Mp 241 dec.°
Optical Rotation: $[\alpha]_D^{10}$ –87 (c, 1.49 in 1*M* HCl)

>>**Derivative:** *N*-Ph
Synonym(s): 2-Phenyl-2-(phenylamino)acetic acid. α-Phenylaminobenzeneacetic acid, 9CI. *N*,2-Diphenylglycine, 8CI. 2-Anilino-2-phenylacetic acid. α-Phenylphenylglycine

CAS Registry Number: 3684-12-6
Molecular Formula: $C_{14}H_{13}NO_2$
Molecular Weight: 227.262
Accurate Mass: 227.094629
Percentage Composition: C 73.99%; H 5.77%; N 6.16%; O 14.08%
Melting Point: Mp 188°
Optical Rotation: $[\alpha]_D$ –117.9 (Me_2CO)

>>**Variant:** (*S*)-form

CAS Registry Number: 2935-35-5
Molecular Formula: $C_8H_9NO_2$
Molecular Weight: 151.165
Accurate Mass: 151.063329
Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%
Optical Rotation: $[\alpha]_D^{20}$+112.6 (H_2O)
Aldrich: 23764-7
Fluka: 78565
Sigma: A0282

>>**Derivative:** Me ester

CAS Registry Number: 37760-98-8
Molecular Formula: $C_9H_{11}NO_2$
Molecular Weight: 165.191
Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%
Melting Point: Mp 202° (as hydrochloride)
Other Data: $[M]_D$ –247° (H_2O) (hydrochloride)

>>**Derivative:** Nitrile
Synonym(s): 2-Amino-2-phenylacetonitrile. α-Aminobenzeneacetonitrile, 9CI. α-Amino-α-cyanotoluene. α-Aminobenzyl cyanide

CAS Registry Number: 48108-77-6
Molecular Formula: $C_8H_8N_2$
Molecular Weight: 132.165
Accurate Mass: 132.068748
Percentage Composition: C 72.70%; H 6.10%; N 21.20%
Optical Rotation: $[\alpha]_D$ –160 (c, 1 in 1*M* HCl)

>>**Derivative:** *N*-Ac

CAS Registry Number: 42429-20-9
Molecular Formula: $C_{10}H_{11}NO_3$
Molecular Weight: 193.202
Accurate Mass: 193.073894
Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%
Physical Description: Needles (H_2O)
Melting Point: Mp 191°
Optical Rotation: $[\alpha]_D^{20}$+197.4 (H_2O)

>>**Derivative:** *N*-*tert*-Butyloxycarbonyl

CAS Registry Number: 2900-27-8
Molecular Formula: $C_{13}H_{17}NO_4$
Molecular Weight: 251.282
Accurate Mass: 251.115759
Percentage Composition: C 62.14%; H 6.82%; N 5.57%; O 25.47%
Physical Description: Cryst (EtOAc/petrol)
Melting Point: Mp 99-100°
Optical Rotation: [α]