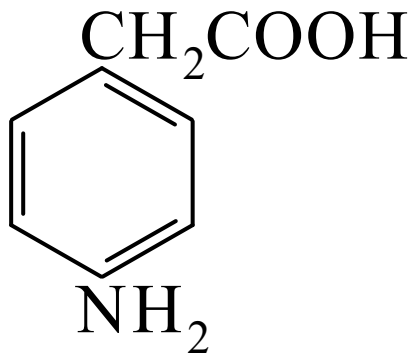
>>**Entry Name: (4-Aminophenyl)acetic acid**
Synonym(s): 4-Aminobenzeneacetic acid, 9CI



CAS Registry Number: 1197-55-3
Related CAS Registry Numbers(s): 25899-92-7

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%
Use/Importance: Tuberculostatic, fibrinolysis inhibitor, depresses dental enamel solubility, corrosion inhibitor in steel. Used as chain terminator for high mod. polyamide fibres. Active in radiation damage prevention
Physical Description: Plates (H_2O)
Melting Point: Mp 199-200 dec.°
pKa Value: pK_{a1} 3.6; pK_{a2} 5.26 (20°)
Other Data: Undergoes condensation polym. to give the polyamide

Aldrich: A7135-2
Fluka: 9220

>>**Derivative:** Et ester

CAS Registry Number: 5438-70-0
Molecular Formula: $C_{10}H_{13}NO_2$
Molecular Weight: 179.218
Accurate Mass: 179.094629
Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%
Use/Importance: Penicillin synth. intermediate
Physical Description: Plates (H_2O)
Melting Point: Mp 51°

>>**Derivative:** Nitrile

CAS Registry Number: 3544-25-0
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%
Physical Description: Leaflets (H_2O)
Melting Point: Mp 46°
Boiling Point: Bp 312°. Bp_{11} 177°
Aldrich: A4205-0

>>**Derivative:** Nitrile, *N*-Ac

CAS Registry Number: 25025-06-3
Molecular Formula: $C_{10}H_{10}N_2O$
Molecular Weight: 174.202
Accurate Mass: 174.079313
Percentage Composition: C 68.95%; H 5.79%; N 16.08%; O 9.18%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 85-87°