



CAS Registry Number: 5351-17-7
Molecular Formula: $C_7H_9N_3O$
Molecular Weight: 151.168
Accurate Mass: 151.074562
Percentage Composition: C 55.62%; H 6.00%; N 27.80%; O 10.58%
Use/Importance: Monomer for polyhydrazides
Melting Point: Mp 225-227°

Aldrich: A4190-9
Sigma: A0890

>>**Derivative:** Nitrile
Synonym(s): 4-Aminobenzonitrile, 9CI. *p*-Cyanoaniline

CAS Registry Number: 873-74-5
Molecular Formula: $C_7H_6N_2$
Molecular Weight: 118.138
Accurate Mass: 118.053098
Percentage Composition: C 71.17%; H 5.12%; N 23.71%
Physical Description: Prisms
Melting Point: Mp 86°
pKa Value: pK_a 1.71 (25°, H_2O)
Hazard & Toxicity: LD₅₀ (mus, orl) 650 mg/kg

Aldrich: 14775-3
Fluka: 7010

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

CAS Registry Number: 35704-19-9
Molecular Formula: $C_9H_8N_2O$
Molecular Weight: 160.175
Accurate Mass: 160.063663
Percentage Composition: C 67.49%; H 5.03%; N 17.49%; O 9.99%
Melting Point: Mp 206.5°
pKa Value: pK_{a1} 2.22; pK_{a2} 5.04 (25°)

Aldrich: 16505-0
Rare Chemicals Library: S55987-3