



>>Entry Name: 3-Aminopyridine

Synonym(s): 3-Pyridinamine, 9Cl. β -Pyridylamine

CAS Registry Number: 462-08-8

Molecular Formula: $C_5H_6N_2$

Molecular Weight: 94.116

Accurate Mass: 94.053098

Percentage Composition: C 63.81%; H 6.43%; N 29.76%

Physical Description: Cryst. (C_6H_6 /petrol)

Melting Point: Mp 64°. Mp 81-82°

Boiling Point: Bp 250-252°

pKa Value: pK_{a1} 6.04; pK_{a2} -1.43 (20°)

Hazard & Toxicity: LD₅₀ (mus, ipr) 28 mg/kg

Aldrich: A7820-9

Fluka: 9360

Sigma: A3005

>>Derivative: 3-*N*-Ac

CAS Registry Number: 5867-45-8

Molecular Formula: $C_7H_8N_2O$

Molecular Weight: 136.153

Accurate Mass: 136.063663

Percentage Composition: C 61.75%; H 5.92%; N 20.57%; O 11.75%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 133°

Boiling Point: Bp 326°

>>Derivative: 3-*N,N*-Di-Ac

CAS Registry Number: 27179-66-4

Molecular Formula: $C_9H_{10}N_2O_2$

Molecular Weight: 178.19

Accurate Mass: 178.074228

Percentage Composition: C 60.66%; H 5.66%; N 15.72%; O 17.96%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 88°

>>Derivative: 3-*N*-Benzoyl

CAS Registry Number: 5221-40-9

Molecular Formula: $C_{12}H_{10}N_2O$

Molecular Weight: 198.224

Accurate Mass: 198.079313

Percentage Composition: C 72.71%; H 5.08%; N 14.13%; O 8.07%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 119°

>>Derivative: 3-*N*-Benzoyl; hydrochloride

Melting Point: Mp 206 dec.°

>>Derivative: 3-*N*-Me