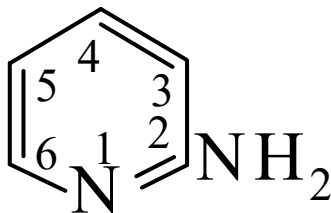




>>Entry Name: 2-Aminopyridine

Synonym(s): 2-Pyridinamine, 9Cl. α -Pyridylamine



CAS Registry Number: 504-29-0

Related CAS Registry Numbers(s): 65606-21-5

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%

Use/Importance: Reagent for fluorescence labelling of sugars. Used in manufacture of antihistaminics

Physical Description: Cryst. (petrol)

Melting Point: Mp 57.5°

Boiling Point: Bp 204°. Bp₂₀ 104-106°

Solubility: Sol. H₂O, EtOH, C₆H₆

pKa Value: pK_{a1} 6.71; pK_{a2} -7.6 (25°)

Other Data: Sublimes

Hazard & Toxicity: Occup. exposure by inhalation causes headaches, weakness, convulsions. Human fatality from skin absorption recorded. Toxic effects resemble strychnine poisoning. LD₅₀ (mus, ipr) 35 mg/kg. OES: long-term 0.5 ppm; short-term 2 ppm

Aldrich: A7799-7

Fluka: 9340

Sigma: A2880

>>Derivative: Hydrochloride

CAS Registry Number: 32654-45-8

Physical Description: Cryst. + 2H₂O

Melting Point: Mp 86°

Rare Chemicals Library: S82232-9

>>Derivative: Picrate

Physical Description: Yellow cryst.

Melting Point: Mp 190°

>>Derivative: *N*¹-Oxide

CAS Registry Number: 14150-95-9

Molecular Formula: $C_5H_6N_2O$

Molecular Weight: 110.115

Accurate Mass: 110.048013

Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 164-165°

>>Derivative: *N*¹-Oxide; hydrochloride

CAS Registry Number: 57097-28-6

Physical Description: Needles (EtOH/toluene)

Melting Point: Mp 155-156°