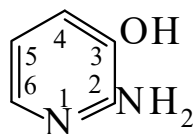




>>Entry Name: **2-Amino-3-hydroxypyridine**

Synonym(s): 2-Amino-3-pyridinol, 9Cl, 8Cl. 3-Hydroxy-2-pyridinamine



CAS Registry Number: 16867-03-1

Molecular Formula: C₅H₆N₂O

Molecular Weight: 110.115

Accurate Mass: 110.048013

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

Use/Importance: Used as a soln. in 95% EtOH or 10% AcOH for photometric detn. of Fe(III), Os ($\lambda_{\max}$ 600 nm, ϵ 9000), Ru(III) ($\lambda_{\max}$ 510-525 nm, ϵ 4460)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 172°

Solubility: Sol. EtOH, MeOH, acids, alkalis; spar. sol. H₂O

Aldrich: 12251-3

Fluka: 8208

Sigma: A9281

>>Derivative: Picrate

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 256 dec.°

>>Derivative: N,N-Di-Me

Molecular Formula: C₇H₁₀N₂O

Molecular Weight: 138.169

Accurate Mass: 138.079313

Percentage Composition: C 60.85%; H 7.29%; N 20.27%; O 11.58%

Physical Description: Solid

Melting Point: Mp 128°

>>Derivative: Me ether

Synonym(s): 3-Methoxy-2-pyridinamine, 9Cl. 2-Amino-3-methoxypyridine

CAS Registry Number: 10201-71-5

Molecular Formula: C₆H₈N₂O

Molecular Weight: 124.142

Accurate Mass: 124.063663

Percentage Composition: C 58.05%; H 6.50%; N 22.57%; O 12.89%

Physical Description: Solid

Melting Point: Mp 68-69°

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