



>>Entry Name: 5-Amino-2-hydroxypyridine

Synonym(s): 5-Amino-2(1*H*)-pyridinone, 9Cl. 5-Amino-2-pyridinol

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%

General Statement: *NH*-form predominates

>>Variant: *NH*-form

CAS Registry Number: 33630-94-3

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%

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOH)

Melting Point: Mp 236-237°

>>Derivative: 1-Me

Synonym(s): 5-Amino-1-methyl-2(1*H*)-pyridinone

CAS Registry Number: 33630-96-5

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: Cryst. (H₂O) (as picrate)

Melting Point: Mp 216-217 dec.° (204°) (picrate)

>>Variant: *OH*-form

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%

>>Derivative: Me ether

Synonym(s): 5-Amino-2-methoxypyridine, 8Cl

CAS Registry Number: 6628-77-9

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%

Boiling Point: Bp_{1.5} 79-80°

Aldrich: A6120-9

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 300B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 772D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1539D, (*ir*)

Barlin, G.B. *et al.*, *J.C.S.(B)*, 1971, 1425, (*synth*, *uv*)