



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

Synonym(s): 3-Amino-2(1*H*)-pyridinone, 9Cl. 3-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: 33630-99-8

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%

Physical Description: Cryst.

Melting Point: Mp 134-137° (132-133°)

>>Derivative: Hydrochloride

CAS Registry Number: 33631-21-9

Physical Description: Cryst.

Melting Point: Mp 240-242°

>>Derivative: Picrate

CAS Registry Number: 33631-22-0

Physical Description: Cryst. (H₂O)

Melting Point: Mp 217-218 dec.°

>>Derivative: 1-Me

Synonym(s): 3-Amino-1-methyl-2(1*H*)-pyridinone

CAS Registry Number: 33631-01-5

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: Oil

>>Derivative: 1-Me, picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 204° (199-200° dec.)

>>Variant: *OH*-form

CAS Registry Number: 59315-44-5

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): 3-Amino-2-methoxypyridine, 8Cl

CAS Registry Number: 20265-38-7

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. (petrol)

Melting Point: Mp 67-69.5°

References: