



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

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

**Molecular Formula:** C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O

**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:** C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O

**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. (H<sub>2</sub>O)

**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:** C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>O

**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:** C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O

**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:** C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>O

**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:**