



**>>Entry Name: 2-Amino-6-hydroxypyridine**

**Synonym(s):** 6-Amino-2(1*H*)-pyridinone, 9Cl. 6-Amino-2(1*H*)-pyridone, 8Cl. 6-Amino-2-pyridinol

**Related CAS Registry Numbers(s):** 17920-33-1

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

**Melting Point:** Mp 214°

**>>Variant:** *NH*-form

**CAS Registry Number:** 5154-00-7

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

**Melting Point:** Mp 214°

**Other Data:** Major tautomer

**>>Derivative:** 1-Me

**CAS Registry Number:** 17920-37-5

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

**Melting Point:** Mp 166-169°

**>>Variant:** *OH*-form

**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):** 2-Amino-6-methoxypyridine, 8Cl

**CAS Registry Number:** 17920-35-3

**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%

**Boiling Point:** Bp<sub>12.5</sub> 114-115°

**>>Derivative:** Me ether, picrate

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 213-214°

**References:**

Sharma, B.D. *et al.*, *Acta Cryst.*, 1966, **20**, 921, (*cryst struct*)

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

Dorie, J. *et al.*, *Org. Magn. Reson.*, 1979, **12**, 229, (*N nmr*)