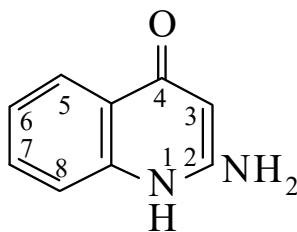




>>Entry Name: **2-Amino-4-hydroxyquinoline**

**Synonym(s):** 2-Amino-4(1*H*)-quinolinone. 2-Amino-4-quinolinol, 9CI



**CAS Registry Number:** 42712-64-1

**Molecular Formula:** C<sub>9</sub>H<sub>8</sub>N<sub>2</sub>O

**Molecular Weight:** 160.175

**Accurate Mass:** 160.063663

**Percentage Composition:** C 67.49%; H 5.03%; N 17.49%; O 9.99%

**Physical Description:** Needles + 1H<sub>2</sub>O (H<sub>2</sub>O), prisms (EtOH)

**Melting Point:** Mp 305-307° (303-304°)

**Solubility:** Sol. HCl, alkalis; spar. sol. EtOH

>>Derivative: *N*(2)-Ac

**Molecular Formula:** C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight:** 202.212

**Accurate Mass:** 202.074228

**Percentage Composition:** C 65.34%; H 4.98%; N 13.85%; O 15.82%

**Melting Point:** Mp 302-303 dec.°

>>Variant: *OH*-form

**Molecular Formula:** C<sub>9</sub>H<sub>8</sub>N<sub>2</sub>O

**Molecular Weight:** 160.175

**Accurate Mass:** 160.063663

**Percentage Composition:** C 67.49%; H 5.03%; N 17.49%; O 9.99%

>>Derivative: Me ether

**Synonym(s):** 4-Methoxy-2-quinolinamine, 9CI. 2-Amino-4-methoxyquinoline

**CAS Registry Number:** 42712-65-2

**Molecular Formula:** C<sub>10</sub>H<sub>10</sub>N<sub>2</sub>O

**Molecular Weight:** 174.202

**Accurate Mass:** 174.079313

**Percentage Composition:** C 68.95%; H 5.79%; N 16.08%; O 9.18%

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

**Melting Point:** Mp 189-190.5° (250°)

>>Derivative: Et ether

**Synonym(s):** 4-Ethoxy-2-quinolinamine. 2-Amino-4-ethoxyquinoline

**CAS Registry Number:** 52176-31-5

**Molecular Formula:** C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O

**Molecular Weight:** 188.229

**Accurate Mass:** 188.094963

**Percentage Composition:** C 70.19%; H 6.43%; N 14.88%; O 8.50%

**Melting Point:** Mp 164-165°

**References:**

Gabriel, S., *Ber.*, 1918, **51**, 1509

Hardman, R. *et al.*, *J.C.S.*, 1954, 3878

Coutts, R.T. *et al.*, *J.C.S.*, 1962, 2518

Kadin, S.B. *et al.*, *Synthesis*, 1977, 500