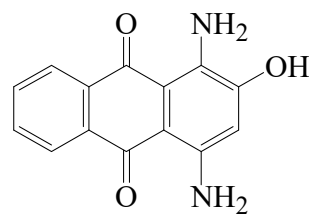




>>Entry Name: 1,4-Diamino-2-hydroxyanthraquinone



**CAS Registry Number:** 16382-91-5

**Molecular Formula:** C<sub>14</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 254.245

**Accurate Mass:** 254.069143

**Percentage Composition:** C 66.14%; H 3.96%; N 11.02%; O 18.88%

**Physical Description:** Green brown cryst. (EtOH aq.)

**Melting Point:** Mp 255-256° (dec.)

>>Derivative: Me ether

**Synonym(s):** 1,4-Diamino-2-methoxyanthraquinone

**CAS Registry Number:** 2872-48-2

**Molecular Formula:** C<sub>15</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 268.271

**Accurate Mass:** 268.084793

**Percentage Composition:** C 67.16%; H 4.51%; N 10.44%; O 17.89%

**Physical Description:** Violet-black needles (toluene)

**Melting Point:** Mp 235°

#### References:

Naiki, K., *Yuki Gosei Kagaku Kyokaishi*, 1954, **12**, 401-405; *CA*, 1957, **51**, 722b, (*synth, deriv*)

Lobhart, H., *Helv. Chim. Acta*, 1957, **40**, 1410-1416, (*Me ether, uv*)