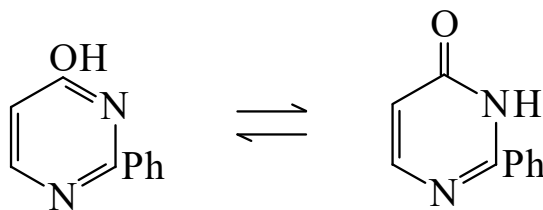




>>Entry Name: **2-Phenyl-4-pyrimidinol**

**Synonym(s):** 2-Phenyl-4(3*H*)-pyrimidinone. 4-Hydroxy-2-phenylpyrimidine



**CAS Registry Number:** 33643-94-6

**Molecular Formula:** C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>O

**Molecular Weight:** 172.186

**Accurate Mass:** 172.063663

**Percentage Composition:** C 69.76%; H 4.68%; N 16.27%; O 9.29%

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

**Melting Point:** Mp 204-205°

>>Variant: *OH*-form

**Molecular Formula:** C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>O

**Molecular Weight:** 172.186

**Accurate Mass:** 172.063663

**Percentage Composition:** C 69.76%; H 4.68%; N 16.27%; O 9.29%

>>Derivative: Et ether

**Synonym(s):** 4-Ethoxy-2-phenylpyrimidine

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

**Molecular Weight:** 200.24

**Accurate Mass:** 200.094963

**Percentage Composition:** C 71.98%; H 6.04%; N 13.99%; O 7.99%

**Physical Description:** Oil with blue fluorescence

**Boiling Point:** Bp<sub>24</sub> 180°

**References:**

Ruhemann, S. *et al.*, *Ber.*, 1897, **30**, 2022, (*deriv*)

Stájer, G. *et al.*, *Synthesis*, 1987, 290, (*synth, ir, cmr, pmr, bibl*)