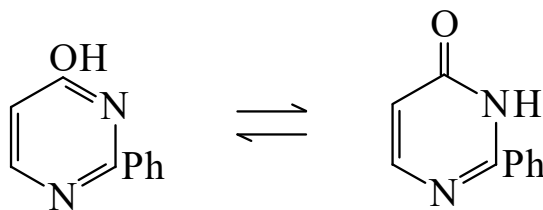




>>Entry Name: 2-Phenyl-4-pyrimidinol

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



CAS Registry Number: 33643-94-6

Molecular Formula: C₁₀H₈N₂O

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: C₁₀H₈N₂O

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: C₁₂H₁₂N₂O

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: Bp₂₄ 180°

References:

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

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