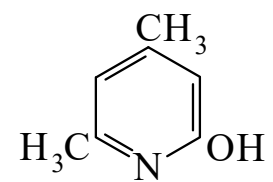




>>Entry Name: 2-Hydroxy-4,6-dimethylpyridine

Synonym(s): 4,6-Dimethyl-2(1*H*)-pyridinone, 9Cl. 4,6-Dimethyl-2-pyridinol



CAS Registry Number: 16115-08-5

Molecular Formula: C₇H₉NO

Molecular Weight: 123.154

Accurate Mass: 123.068414

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

Physical Description: Cryst. (H₂O); needles by subl.

Melting Point: Mp 186°

Solubility: V. sol. EtOH, CHCl₃; sol. hot H₂O; spar. sol. cold H₂O, Et₂O, petrol, C₆H₆

>>Variant: *NH*-form

Molecular Formula: C₇H₉NO

Molecular Weight: 123.154

Accurate Mass: 123.068414

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

>>Derivative: *N*-Me

Synonym(s): 1,4,6-Trimethyl-2(1*H*)-pyridinone

CAS Registry Number: 15031-89-7

Molecular Formula: C₈H₁₁NO

Molecular Weight: 137.181

Accurate Mass: 137.084064

Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%

Physical Description: Prisms (hexane)

Melting Point: Mp 84-85°

>>Derivative: *N*-Hydroxy

Synonym(s): 1-Hydroxy-4,6-dimethyl-2(1*H*)-pyridinone, 9Cl. **Metipirox**, INN

CAS Registry Number: 29342-02-7

Molecular Formula: C₇H₉NO₂

Molecular Weight: 139.154

Accurate Mass: 139.063329

Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%

Use/Importance: Bactericide

Physical Description: Needles

Development Status: Never marketed

Melting Point: Mp 135°

Calculated Log P Data: Log P -0.09 (uncertain value) (calc)

>>Derivative: *N*-Amino

Synonym(s): 1-Amino-4,6-dimethyl-2(1*H*)-pyridinone

Molecular Formula: C₇H₁₀N₂O

Molecular Weight: 138.169

Accurate Mass: 138.079313

Percentage Composition: C 60.85%; H 7.29%; N 20.27%; O 11.58%

Physical Description: Needles (EtOH or Et₂O)

Melting Point: Mp 90-90.5°