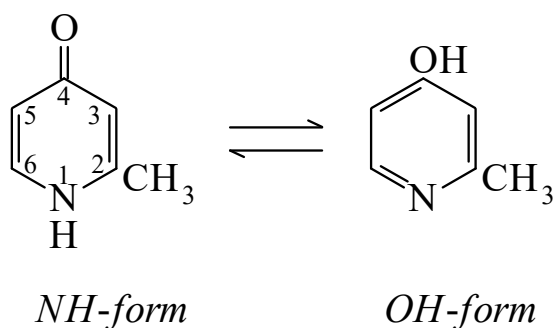




>>Entry Name: 4-Hydroxy-2-methylpyridine

Synonym(s): 2-Methyl-4(1*H*)-pyridinone. 2-Methyl-4-pyridinol



CAS Registry Number: 18615-86-6

Molecular Formula: C₆H₇NO

Molecular Weight: 109.127

Accurate Mass: 109.052764

Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%

Biological Source: Isol. from the fungus *Physisporinus sanguinolentus*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 174-176°

Boiling Point: Bp_{0.003} 180-189°

>>Derivative: Hydrochloride

Melting Point: Mp 116°

>>Derivative: *N*-Oxide

Molecular Formula: C₆H₇NO₂

Molecular Weight: 125.127

Accurate Mass: 125.047679

Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%

Melting Point: Mp 192-193°

>>Variant: *OH*-form

Molecular Formula: C₆H₇NO

Molecular Weight: 109.127

Accurate Mass: 109.052764

Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%

>>Derivative: Me ether, *N*-oxide

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%

Melting Point: Mp 78-80°

>>Derivative: Et ether

Synonym(s): 4-Ethoxy-2-methylpyridine

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%

Boiling Point: Bp *ca.* ° 220

>>Derivative: Ph ether, *N*-oxide

Molecular Formula: C₁₂H₁₁NO₂

Molecular Weight: 201.224

Accurate Mass: 201.078979

Percentage Composition: C 71.63%; H 5.51%; N 6.96%; O 15.90%

Melting Point: Mp 161-162° (as hydrochloride)