



>>Entry Name: **2-Hydroxy-5-nitropyridine**

Synonym(s): 5-Nitro-2-pyridinol, 9Cl. 5-Nitro-2(*1H*)-pyridinone

Molecular Formula: C₅H₄N₂O₃

Molecular Weight: 140.098

Accurate Mass: 140.022193

Percentage Composition: C 42.87%; H 2.88%; N 20.00%; O 34.26%

Physical Description: Yellow needles (H₂O)

Melting Point: Mp 184-187°

Solubility: Sol. hot H₂O, alkalis; spar. sol. most org. solvs.

>>Derivative: *N*-Oxide

Synonym(s): 1-Hydroxy-5-nitro-2(*1H*)-pyridinone

Molecular Formula: C₅H₄N₂O₄

Molecular Weight: 156.098

Accurate Mass: 156.017108

Percentage Composition: C 38.47%; H 2.58%; N 17.95%; O 41.00%

Melting Point: Mp 197.5-199.5°

>>Variant: *OH*-form

Molecular Formula: C₅H₄N₂O₃

Molecular Weight: 140.098

Accurate Mass: 140.022193

Percentage Composition: C 42.87%; H 2.88%; N 20.00%; O 34.26%

>>Derivative: Me ether

Synonym(s): 2-Methoxy-5-nitropyridine

CAS Registry Number: 5446-92-4

Molecular Formula: C₆H₆N₂O₃

Molecular Weight: 154.125

Accurate Mass: 154.037843

Percentage Composition: C 46.76%; H 3.92%; N 18.18%; O 31.14%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 110°

Aldrich: M1820-5

Fluka: 65137

>>Derivative: Et ether

Synonym(s): 2-Ethoxy-5-nitropyridine

CAS Registry Number: 31594-45-3

Molecular Formula: C₇H₈N₂O₃

Molecular Weight: 168.152

Accurate Mass: 168.053493

Percentage Composition: C 50.00%; H 4.80%; N 16.66%; O 28.54%

Melting Point: Mp 95° (72°)

>>Variant: *NH*-form

CAS Registry Number: 5418-51-9

Molecular Formula: C₅H₄N₂O₃

Molecular Weight: 140.098

Accurate Mass: 140.022193

Percentage Composition: C 42.87%; H 2.88%; N 20.00%; O 34.26%

Aldrich: H4880-8

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₂H₈N₂O₄

Molecular Weight: 244.206

Accurate Mass: 244.048408

Percentage Composition: C 59.02%; H 3.30%; N 11.47%; O 26.21%

Melting Point: Mp 149-150°