



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

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

Molecular Formula: C₅H₄INO

Molecular Weight: 220.997

Accurate Mass: 220.933762

Percentage Composition: C 27.17%; H 1.82%; I 57.42%; N 6.34%; O 7.24%

>>Variant: *NH*-form

CAS Registry Number: 13472-79-2

Molecular Formula: C₅H₄INO

Molecular Weight: 220.997

Accurate Mass: 220.933762

Percentage Composition: C 27.17%; H 1.82%; I 57.42%; N 6.34%; O 7.24%

Physical Description: Prisms (C₆H₆ or H₂O)

Melting Point: Mp 191-193°

>>Derivative: *N*-Me

Molecular Formula: C₆H₆INO

Molecular Weight: 235.024

Accurate Mass: 234.949412

Percentage Composition: C 30.66%; H 2.57%; I 54.00%; N 5.96%; O 6.81%

Melting Point: Mp 73-74°

Boiling Point: Bp₁₂ 185°

>>Derivative: *N*-Et

Molecular Formula: C₇H₈INO

Molecular Weight: 249.051

Accurate Mass: 248.965062

Percentage Composition: C 33.76%; H 3.24%; I 50.96%; N 5.62%; O 6.42%

Melting Point: Mp 75-76°

Boiling Point: Bp₂₂ 179-185°

>>Derivative: *N*-Benzyl

Molecular Formula: C₁₂H₁₀INO

Molecular Weight: 311.122

Accurate Mass: 310.980712

Percentage Composition: C 46.33%; H 3.24%; I 40.79%; N 4.50%; O 5.14%

Physical Description: Needles (petrol)

Melting Point: Mp 100-101°

>>Variant: *OH*-form

Molecular Formula: C₅H₄INO

Molecular Weight: 220.997

Accurate Mass: 220.933762

Percentage Composition: C 27.17%; H 1.82%; I 57.42%; N 6.34%; O 7.24%

>>Derivative: Me ether

Synonym(s): 5-Iodo-2-methoxypyridine

Molecular Formula: C₆H₆INO

Molecular Weight: 235.024

Accurate Mass: 234.949412

Percentage Composition: C 30.66%; H 2.57%; I 54.00%; N 5.96%; O 6.81%

Boiling Point: Bp₃₀ 106-108°

>>Derivative: Me ether; hydrochloride

Physical Description: Needles (MeOH/HCl)

Melting Point: Mp 146-147°

References: