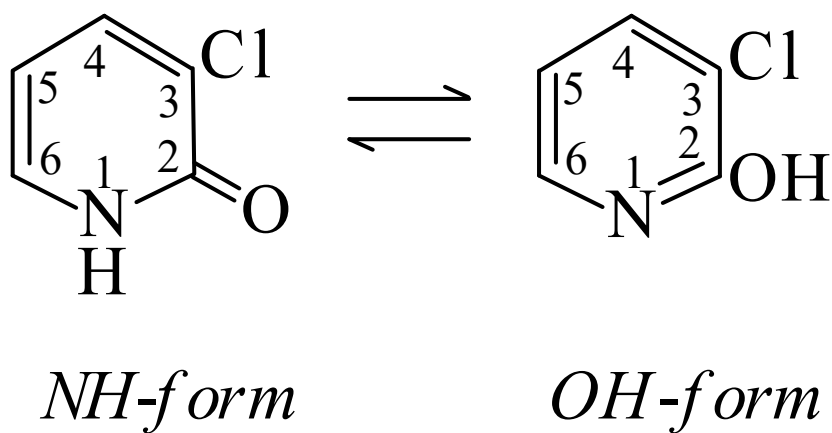




>>Entry Name: 3-Chloro-2-hydroxypyridine

Synonym(s): 3-Chloro-2(1*H*)-pyridone. 3-Chloro-2(1*H*)-pyridinone, 9Cl. 3-Chloro-2-pyridinol



CAS Registry Number: 13466-35-8

Molecular Formula: C₅H₄ClNO

Molecular Weight: 129.545

Accurate Mass: 128.998141

Percentage Composition: C 46.36%; H 3.11%; Cl 27.37%; N 10.81%; O 12.35%

Physical Description: Plates (C₆H₆)

Melting Point: Mp 180-181°

>>Variant: *NH*-form

Molecular Formula: C₅H₄ClNO

Molecular Weight: 129.545

Accurate Mass: 128.998141

Percentage Composition: C 46.36%; H 3.11%; Cl 27.37%; N 10.81%; O 12.35%

>>Derivative: *N*-Me

Molecular Formula: C₆H₆ClNO

Molecular Weight: 143.572

Accurate Mass: 143.013791

Percentage Composition: C 50.19%; H 4.21%; Cl 24.69%; N 9.76%; O 11.14%

Physical Description: Oil

Other Data: Not isol. pure

>>Variant: *OH*-form

Molecular Formula: C₅H₄ClNO

Molecular Weight: 129.545

Accurate Mass: 128.998141

Percentage Composition: C 46.36%; H 3.11%; Cl 27.37%; N 10.81%; O 12.35%

>>Derivative: Me ether

Synonym(s): 3-Chloro-2-methoxypyridine

CAS Registry Number: 13472-84-9

Molecular Formula: C₆H₆ClNO

Molecular Weight: 143.572

Accurate Mass: 143.013791

Percentage Composition: C 50.19%; H 4.21%; Cl 24.69%; N 9.76%; O 11.14%

Physical Description: Oil

Boiling Point: Bp₅₂ 107-109°

References:

Cava, M.P. *et al.*, *J.O.C.*, 1958, **23**, 1287; 1616, (*synth*, *uv*)

Spinner, E. *et al.*, *J.C.S.(B)*, 1966, 991, (*derivs*, *uv*)

King, S.S.T. *et al.*, *Tetrahedron*, 1972, **28**, 5859, (*ir*)

Beak, P. *et al.*, *J.O.C.*, 1978, **43**, 1367