



>>Entry Name: 4-Chloro-2-hydroxypyridine

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

CAS Registry Number: 40673-25-4

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: Needles (H₂O)

Melting Point: Mp 184°

>>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): 4-Chloro-2-methoxypyridine

CAS Registry Number: 72141-44-7

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%

Melting Point: Mp 26°

Boiling Point: Bp 177-178°

>>Derivative: Me ether, 1-oxide

CAS Registry Number: 13602-60-3

Molecular Formula: C₆H₆ClNO₂

Molecular Weight: 159.572

Accurate Mass: 159.008706

Percentage Composition: C 45.16%; H 3.79%; Cl 22.22%; N 8.78%; O 20.05%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 117-118°

>>Derivative: Et ether

Synonym(s): 4-Chloro-2-ethoxypyridine

Molecular Formula: C₇H₈ClNO

Molecular Weight: 157.599

Accurate Mass: 157.029441

Percentage Composition: C 53.35%; H 5.12%; Cl 22.50%; N 8.89%; O 10.15%

Physical Description: Oil

Melting Point: Mp 0°

>>Derivative: Et ether, picrate

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 130-131°

References:

Graf, R. *et al.*, *Ber.*, *B*, 1931, **64**, 21, (*synth*)

Kolder, C.R. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1953, **72**, 285, (*deriv*)

Talik, T. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1959, **33**, 1343, (*deriv*)

Mizukami, S. *et al.*, *CA*, 1967, **66**, 10827q, (*deriv*)