



>>Entry Name: 5-Chloro-4-hydroxypyrimidine

Synonym(s): 5-Chloro-4(1*H*)-pyrimidinone, 9Cl. 5-Chloro-4(3*H*)-pyrimidinone. 5-Chloro-4-pyrimidinol

CAS Registry Number: 4349-08-0

Molecular Formula: C₄H₃ClN₂O

Molecular Weight: 130.533

Accurate Mass: 129.99339

Percentage Composition: C 36.81%; H 2.32%; Cl 27.16%; N 21.46%; O 12.26%

Physical Description: Prisms (H₂O)

Melting Point: Mp 180-182°

>>Variant: *NH*-form

Molecular Formula: C₄H₃ClN₂O

Molecular Weight: 130.533

Accurate Mass: 129.99339

Percentage Composition: C 36.81%; H 2.32%; Cl 27.16%; N 21.46%; O 12.26%

>>Derivative: Hydrazone

CAS Registry Number: 122082-97-7

Molecular Formula: C₄H₅ClN₄

Molecular Weight: 144.563

Accurate Mass: 144.020273

Percentage Composition: C 33.23%; H 3.49%; Cl 24.52%; N 38.76%

Physical Description: Needles (H₂O)

Melting Point: Mp 190-192°

References:

Chesterfield, J. *et al.*, *J.C.S.*, 1955, 3478, (*synth*)

Budesinsky, Z. *et al.*, *Coll. Czech. Chem. Comm.*, 1962, **27**, 2550, (*synth*)