



>>Entry Name: 4-Chloro-3-hydroxypyridazine

Synonym(s): 4-Chloro-3(2*H*)-pyridazinone, 9Cl. 4-Chloro-3-pyridazinol

CAS Registry Number: 1677-79-8

Related CAS Registry Numbers(s): 52511-21-4 69207-44-9

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: Solid

Melting Point: Mp 176.5-177.5°

>>Derivative: 1-Oxide

CAS Registry Number: 23210-88-0

Molecular Formula: C₄H₃ClN₂O₂

Molecular Weight: 146.533

Accurate Mass: 145.988305

Percentage Composition: C 32.79%; H 2.06%; Cl 24.19%; N 19.12%; O 21.84%

Physical Description: Cryst. (MeOH/EtOAc)

Melting Point: Mp 212-213°

>>Variant: *OH*-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: Me ether, 1-oxide

Molecular Formula: C₅H₅ClN₂O₂

Molecular Weight: 160.559

Accurate Mass: 160.003955

Percentage Composition: C 37.40%; H 3.14%; Cl 22.08%; N 17.45%; O 19.93%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 120-121°

References:

Yanai, M. *et al.*, *Yakugaku Zasshi*, 1965, **85**, 344; *CA*, **63**, 5639a, (*synth*)

Igeta, H. *et al.*, *Chem. Pharm. Bull.*, 1969, **17**, 756; 763, (*synth*, *pmr*, *derivs*)