



>>Entry Name: 3,5,6-Trichloro-2-pyridinol, 9CI

Synonym(s): 3,5,6-Trichloro-2(1*H*)-pyridinone. 2,3,5-Trichloro-6-hydroxypyridine

CAS Registry Number: 6515-38-4

Molecular Formula: C₅H₂Cl₃NO

Molecular Weight: 198.435

Accurate Mass: 196.920195

Percentage Composition: C 30.26%; H 1.02%; Cl 53.60%; N 7.06%; O 8.06%

Melting Point: Mp 208-209°

>>Variant: *OH*-form

Molecular Formula: C₅H₂Cl₃NO

Molecular Weight: 198.435

Accurate Mass: 196.920195

Percentage Composition: C 30.26%; H 1.02%; Cl 53.60%; N 7.06%; O 8.06%

>>Derivative: Me ether

Synonym(s): 2,3,5-Trichloro-6-methoxypyridine, 9CI

CAS Registry Number: 31557-34-3

Molecular Formula: C₆H₄Cl₃NO

Molecular Weight: 212.462

Accurate Mass: 210.935845

Percentage Composition: C 33.92%; H 1.90%; Cl 50.06%; N 6.59%; O 7.53%

Melting Point: Mp 52-53°

>>Variant: *NH*-form

Molecular Formula: C₅H₂Cl₃NO

Molecular Weight: 198.435

Accurate Mass: 196.920195

Percentage Composition: C 30.26%; H 1.02%; Cl 53.60%; N 7.06%; O 8.06%

>>Derivative: *N*-Me

Synonym(s): 3,5,6-Trichloro-1-methyl-2(1*H*)-pyridinone, 9CI

CAS Registry Number: 75348-52-6

Molecular Formula: C₆H₄Cl₃NO

Molecular Weight: 212.462

Accurate Mass: 210.935845

Percentage Composition: C 33.92%; H 1.90%; Cl 50.06%; N 6.59%; O 7.53%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 133-134°

References:

Berry, D.J. *et al.*, *J.C.S.(C)*, 1971, 1227, (*O*-Me)

Giacobbe, T.J. *et al.*, *J. Het. Chem.*, 1974, **11**, 889; 1976, **13**, 891

Giacobbe, T.J. *et al.*, *J.O.C.*, 1974, **39**, 1685, (*synth, ir, pmr*)

Iddon, B. *et al.*, *J.C.S. Perkin I*, 1980, 1370, (*N*-Me, *cmr*)