



>>Entry Name: 2-Amino-4-chloropyridine, 8Cl

Synonym(s): 4-Chloro-2-pyridinamine, 9Cl

CAS Registry Number: 19798-80-2

Molecular Formula: C₅H₅ClN₂

Molecular Weight: 128.561

Accurate Mass: 128.014125

Percentage Composition: C 46.71%; H 3.92%; Cl 27.58%; N 21.79%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 130-131°

pKa Value: pK_a 5.7 (20°)

Other Data: Steam-volatile

>>Derivative: Ac

Synonym(s): 2-Acetamido-4-chloropyridine

Molecular Formula: C₇H₇ClN₂O

Molecular Weight: 170.598

Accurate Mass: 170.02469

Percentage Composition: C 49.28%; H 4.14%; Cl 20.78%; N 16.42%; O 9.38%

Physical Description: Needles (H₂O)

Melting Point: Mp 115-116°

>>Derivative: Benzoyl

Molecular Formula: C₁₂H₉ClN₂O

Molecular Weight: 232.669

Accurate Mass: 232.04034

Percentage Composition: C 61.95%; H 3.90%; Cl 15.24%; N 12.04%; O 6.88%

Physical Description: Needles (EtOH)

Melting Point: Mp 120-121°

References:

Graf, R., *Ber.*, 1931, **64**, 23, (*synth*)

Cumper, C.W.N. *et al.*, *J.C.S.(B)*, 1968, 649, (*uv*)

Sundberg, R.J. *et al.*, *Org. Prep. Proced. Int.*, 1997, **29**, 117, (*synth, ir, pmr, cmr*)

Gudmundsson, K.S. *et al.*, *Synth. Commun.*, 1997, **27**, 861-870, (*synth, pmr, cmr*)