



>>Entry Name: 6-Chloro-3-pyridinecarboxylic acid, 9Cl

Synonym(s): 6-Chloronicotinic acid, 8Cl

CAS Registry Number: 5326-23-8

Structure by analogy with 2-Chloro-3-pyridinecarboxylic acid, [FVV54-L](#)

Molecular Formula: C₆H₄ClNO₂

Molecular Weight: 157.556

Accurate Mass: 156.993056

Percentage Composition: C 45.74%; H 2.56%; Cl 22.50%; N 8.89%; O 20.31%

Physical Description: Leaflets (H₂O)

Solubility: Sol. EtOH, Et₂O, AcOH, conc. HCl; spar. sol. CHCl₃, C₆H₆

Other Data: Sublimes

Aldrich: 15635-3

Fluka: 25345

Sigma: C1518

>>Derivative: Me ester

CAS Registry Number: 73781-91-6

Molecular Formula: C₇H₆ClNO₂

Molecular Weight: 171.583

Accurate Mass: 171.008706

Percentage Composition: C 49.00%; H 3.52%; Cl 20.66%; N 8.16%; O 18.65%

Melting Point: Mp 86-90°

Solubility: Sol. EtOH, Et₂O, spar. sol. H₂O

Other Data: Steam-volatile

Rare Chemicals Library: S64355-6

>>Derivative: Chloride

CAS Registry Number: 58757-38-3

Molecular Formula: C₆H₃Cl₂NO

Molecular Weight: 176.001

Accurate Mass: 174.959168

Percentage Composition: C 40.95%; H 1.72%; Cl 40.29%; N 7.96%; O 9.09%

Melting Point: Mp 49-51°

Boiling Point: Bp₃ 85°

>>Derivative: Amide

CAS Registry Number: 6271-78-9

Molecular Formula: C₆H₅ClN₂O

Molecular Weight: 156.571

Accurate Mass: 156.00904

Percentage Composition: C 46.03%; H 3.22%; Cl 22.64%; N 17.89%; O 10.22%

Melting Point: Mp 210-212°

Aldrich: C5800-2

>>Derivative: Nitrile

Synonym(s): 2-Chloro-5-cyanopyridine

CAS Registry Number: 33252-28-7

Molecular Formula: C₆H₃ClN₂

Molecular Weight: 138.556

Accurate Mass: 137.998475

Percentage Composition: C 52.01%; H 2.18%; Cl 25.59%; N 20.22%

Melting Point: Mp 115°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 320C; 343B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 787C; 798D, (*ir, amide*)

Pechmann, H. *et al.*, *Ber.*, 1884, **17**, 2392

Rath, C. *et al.*, *Annalen*, 1931, **487**, 130

Werner, H. *et al.*, *J.O.C.*, 1961, **26**, 122

Brown, E.V. *et al.*, *J. Het. Chem.*, 1971, **8**, 189, (*ms*)