



>>Entry Name: 4-Chloro-2-pyridinecarboxylic acid, 9Cl

Synonym(s): 4-Chloropicolinic acid, 8Cl

CAS Registry Number: 5470-22-4

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: Needles

Melting Point: Mp 183 dec.°

Solubility: Sol. hot EtOH, hot Et₂O

pKa Value: pK_{a1} 4.09

>>Derivative: Me ester

CAS Registry Number: 24484-93-3

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 57-58°

>>Derivative: N-Oxide

CAS Registry Number: 35895-54-6

Molecular Formula: C₆H₄ClNO₃

Molecular Weight: 173.555

Accurate Mass: 172.987971

Percentage Composition: C 41.52%; H 2.32%; Cl 20.43%; N 8.07%; O 27.66%

Melting Point: Mp 136°

>>Derivative: Chloride

CAS Registry Number: 53750-66-6

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 46°

Solubility: Sol. C₆H₆

References:

Haginiwa, J., *Yakugaku Zasshi*, 1955, **75**, 731, (synth)

Abramovitch, R.A. *et al.*, *J.O.C.*, 1972, **37**, 3584