



>>Entry Name: 2-Chloro-6-methyl-4-pyridinecarboxylic acid, 9Cl

Synonym(s): 2-Chloro-6-methylisonicotinic acid

CAS Registry Number: 25462-85-5

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%

Physical Description: Solid

Melting Point: Mp 214-216°

>>Derivative: Me ester

CAS Registry Number: 3998-90-1

Molecular Formula: C₈H₈ClNO₂

Molecular Weight: 185.609

Accurate Mass: 185.024356

Percentage Composition: C 51.77%; H 4.34%; Cl 19.10%; N 7.55%; O 17.24%

Physical Description: Needles

Melting Point: Mp 61-63° (58°)

Boiling Point: Bp₁₇ 134-136°. Bp_{1.5} 98°

>>Derivative: Et ester

CAS Registry Number: 3998-88-7

Molecular Formula: C₉H₁₀ClNO₂

Molecular Weight: 199.636

Accurate Mass: 199.040006

Percentage Composition: C 54.15%; H 5.05%; Cl 17.76%; N 7.02%; O 16.03%

Physical Description: Solid

Melting Point: Mp 64°

Boiling Point: Bp_{1.5} 107°

>>Derivative: Chloride

Molecular Formula: C₇H₅Cl₂NO

Molecular Weight: 190.028

Accurate Mass: 188.974818

Percentage Composition: C 44.24%; H 2.65%; Cl 37.31%; N 7.37%; O 8.42%

Physical Description: Unstable liq.

Boiling Point: Bp₂₂ 125-128°

>>Derivative: Hydrazide

CAS Registry Number: 19353-99-2

Molecular Formula: C₇H₈ClN₃O

Molecular Weight: 185.612

Accurate Mass: 185.035589

Percentage Composition: C 45.30%; H 4.34%; Cl 19.10%; N 22.64%; O 8.62%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 150-151° (147-148°)

References:

Isler, O. *et al.*, *Helv. Chim. Acta*, 1955, **38**, 1033; 1046, (*synth*)

Johnson, R.S. *et al.*, *J.C.S.(C)*, 1970, 796, (*ester, chloride*)

Hughes, C.G. *et al.*, *Can. J. Chem.*, 1974, **52**, 3327, (*synth*)