>>**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: $C_7H_6ClNO_2$
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: $C_8H_8ClNO_2$
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: Bp_{17} 134-136°. $Bp_{1.5}$ 98°

>>**Derivative:** Et ester

CAS Registry Number: 3998-88-7
Molecular Formula: $C_9H_{10}ClNO_2$
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: $C_7H_5Cl_2NO$
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: Bp_{22} 125-128°

>>**Derivative:** Hydrazide

CAS Registry Number: 19353-99-2
Molecular Formula: $C_7H_8ClN_3O$
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. (H_2O)
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)*