



>>Entry Name: **2,6-Dichloro-3-pyridinecarboxylic acid**

Synonym(s): 2,6-Dichloronicotinic acid, 8Cl

CAS Registry Number: 38496-18-3

Molecular Formula: $C_6H_3Cl_2NO_2$

Molecular Weight: 192.001

Accurate Mass: 190.954083

Percentage Composition: C 37.53%; H 1.57%; Cl 36.93%; N 7.30%; O 16.67%

Physical Description: Needles (Et₂O/petrol), cryst. (H₂O)

Melting Point: Mp 147°

Aldrich: 37272-2

>>Derivative: Et ester

CAS Registry Number: 58584-86-4

Molecular Formula: $C_8H_7Cl_2NO_2$

Molecular Weight: 220.054

Accurate Mass: 218.985383

Percentage Composition: C 43.67%; H 3.21%; Cl 32.22%; N 6.37%; O 14.54%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 49-50°

>>Derivative: Chloride

CAS Registry Number: 58584-83-1

Molecular Formula: $C_6H_2Cl_3NO$

Molecular Weight: 210.446

Accurate Mass: 208.920195

Percentage Composition: C 34.24%; H 0.96%; Cl 50.54%; N 6.66%; O 7.60%

Physical Description: Liq.

Boiling Point: Bp_{4.5} 117-118°. Bp_{0.01} 72-74°

Refractive Index: n_D²⁰ 1.5944

>>Derivative: Amide

CAS Registry Number: 62068-78-4

Molecular Formula: $C_6H_4Cl_2N_2O$

Molecular Weight: 191.016

Accurate Mass: 189.970067

Percentage Composition: C 37.73%; H 2.11%; Cl 37.12%; N 14.67%; O 8.38%

Physical Description: Cryst.

Melting Point: Mp 148-148.5°

>>Derivative: Nitrile

Synonym(s): 2,6-Dichloro-3-cyanopyridine. 2,6-Dichloronicotinonitrile

CAS Registry Number: 40381-90-6

Molecular Formula: $C_6H_2Cl_2N_2$

Molecular Weight: 173.001

Accurate Mass: 171.959502

Percentage Composition: C 41.66%; H 1.17%; Cl 40.99%; N 16.19%

Physical Description: Cryst. (C₆H₆/cyclohexane)

Melting Point: Mp 117-119°

Aldrich: 45521-0

References:

- Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **3**, 321B, (*nmr*)
Guthzeit, M. *et al.*, *J. Prakt. Chem.*, 1898, **58**, 403-441, (*synth*)
Mutterer, F. *et al.*, *Helv. Chim. Acta*, 1976, **59**, 222-229, (*synth, chloride*)
Newkome, G.R. *et al.*, *J.O.C.*, 1979, **44**, 2693-2697, (*amide, nitrile*)