



>>Entry Name: **2,6-Dichloro-4-pyridinecarboxylic acid**

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

CAS Registry Number: 5398-44-7

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 or leaflets (EtOH)

Melting Point: Mp 210°

Aldrich: 45654-3

>>Derivative: Me ester

CAS Registry Number: 42521-09-5

Molecular Formula: $C_7H_5Cl_2NO_2$

Molecular Weight: 206.027

Accurate Mass: 204.969733

Percentage Composition: C 40.81%; H 2.45%; Cl 34.42%; N 6.80%; O 15.53%

Melting Point: Mp 82°

>>Derivative: Et ester

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: Needles (EtOH aq.)

Melting Point: Mp 66°

>>Derivative: Nitrile

Synonym(s): 2,6-Dichloro-4-cyanopyridine. 2,6-Dichloroisonicotinonitrile

CAS Registry Number: 32710-65-9

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: Needles (EtOH)

Melting Point: Mp 96°

References:

Meyer, H. *et al.*, *Monatsh. Chem.*, 1915, **36**, 731-749, (*synth*)

Levelt, W.H. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1929, **48**, 466-473, (*synth, nitrile*)

Baizer, M.M. *et al.*, *J. Am. Pharm. Assoc.*, 1956, **45**, 478-482; *CA*, **51**, 408b, (*synth*)

Henegar, K.E. *et al.*, *J.O.C.*, 1997, **62**, 6588-6597, (*synth, ir, pmr, cmr, ms*)

Marzi, E. *et al.*, *Eur. J. Org. Chem.*, 2001, 1371-1376, (*synth, pmr, cmr*)