



>>Entry Name: 4,6-Dichloro-3-pyridinecarboxylic acid

Synonym(s): 4,6-Dichloronicotinic acid, 8Cl

CAS Registry Number: 73027-79-9

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: Hydrated cryst. (H_2O)

Melting Point: Mp 152-153° (anhyd.). Mp 198° (hydrate)

>>Derivative: Et ester

CAS Registry Number: 40296-46-6

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%

Melting Point: Mp 29-30°

Boiling Point: Bp_{0.01} 85°

>>Derivative: Nitrile

Synonym(s): 2,4-Dichloro-5-cyanopyridine

CAS Registry Number: 166526-03-0

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 (petrol)

Melting Point: Mp 136-137°

References:

den Hertog, H.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1950, **69**, 673-699, (*synth, nitrile*)

Lhommet, G. *et al.*, *Bull. Soc. Chim. Fr.*, 1976, 1916-1918, (*Et ester*)

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