



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

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

CAS Registry Number: 88912-25-8

Molecular Formula: C₆H₃Cl₂NO₂

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 (EtOH aq.), cryst. (H₂O)

Melting Point: Mp 101-102°. Mp 114-116°

>>Derivative: Me ester

CAS Registry Number: 98273-19-9

Molecular Formula: C₇H₅Cl₂NO₂

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%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 78.5-79.5°

Boiling Point: Bp_{2.5} 125° (lit. gives a pressure range)

>>Derivative: Et ester

Molecular Formula: C₈H₇Cl₂NO₂

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: Leaflets (EtOH aq.)

Melting Point: Mp 75°

>>Derivative: Chloride

Molecular Formula: C₆H₂Cl₃NO

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_{1.3} 87°

References:

Graf, R. *et al.*, *J. Prakt. Chem.*, 1932, **133**, 36-50, (*synth*)

Markees, D.G., *J.O.C.*, 1958, **23**, 1030-1032, (*chloride, Me ester*)