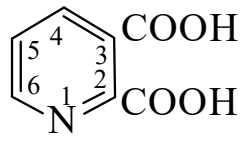
>>**Entry Name: 2,3-Pyridinedicarboxylic acid,** 9CI, 8CI
Synonym(s): Quinolinic acid



CAS Registry Number: 89-00-9

Molecular Formula: $C_7H_5NO_4$
Molecular Weight: 167.121
Accurate Mass: 167.021859
Percentage Composition: C 50.31%; H 3.02%; N 8.38%; O 38.29%
Biological Source: Intermed. in the biosynth. of nicotinic acid dinucleotide in microorganisms
Physical Description: Prisms (H_2O)
Melting Point: Mp 188°. Mp 190-195 dec.°
Solubility: Spar. sol. H_2O; prac. insol. EtOH, Et_2O
pKa Value: pK_{a1} 2.43; pK_{a2} 4.78 (25°, 0.1*M* $NaClO_4$)

Aldrich: P6320-4
Fluka: 22690

>>**Derivative:** *N*-Oxide

CAS Registry Number: 38557-80-1
Molecular Formula: $C_7H_5NO_5$
Molecular Weight: 183.12
Accurate Mass: 183.016774
Percentage Composition: C 45.91%; H 2.75%; N 7.65%; O 43.69%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 261°

>>**Derivative:** 2-Me ester

CAS Registry Number: 24195-07-1
Molecular Formula: $C_8H_7NO_4$
Molecular Weight: 181.148
Accurate Mass: 181.037509
Percentage Composition: C 53.04%; H 3.89%; N 7.73%; O 35.33%
Physical Description: Cryst. + $1H_2O$ (H_2O), anhyd. cryst.(EtOAc)
Melting Point: Mp 123° (anhyd.)

>>**Derivative:** 3-Me ester

CAS Registry Number: 24195-02-6
Molecular Formula: $C_8H_7NO_4$
Molecular Weight: 181.148
Accurate Mass: 181.037509
Percentage Composition: C 53.04%; H 3.89%; N 7.73%; O 35.33%
Physical Description: Cryst. (C_6H_6 or EtOAc)
Melting Point: Mp 106°

>>**Derivative:** Di-Me ester

CAS Registry Number: 605-38-9
Molecular Formula: $C_9H_9NO_4$
Molecular Weight: 195.174
Accurate Mass: 195.053159
Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%
Physical Description: Plates (CS_2/petrol)
Melting Point: Mp 53-54°
Rare Chemicals Library: S28803-9