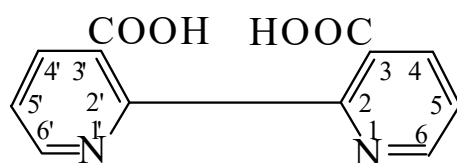




>>Entry Name: [2,2'-Bipyridine]-3,3'-dicarboxylic acid, 9Cl

Synonym(s): 2,2'-Bipyridyl-3,3'-dicarboxylic acid. 2,2'-Binicotinic acid



CAS Registry Number: 4433-01-6

Molecular Formula: $C_{12}H_8N_2O_4$

Molecular Weight: 244.206

Accurate Mass: 244.048408

Percentage Composition: C 59.02%; H 3.30%; N 11.47%; O 26.21%

Physical Description: Needles

Melting Point: Mp 262°

Aldrich: 45719-1

Rare Chemicals Library: S25353-7

>>Derivative: *N,N'*-Dioxide

CAS Registry Number: 169773-80-2

Molecular Formula: $C_{12}H_8N_2O_6$

Molecular Weight: 276.205

Accurate Mass: 276.038238

Percentage Composition: C 52.18%; H 2.92%; N 10.14%; O 34.76%

Physical Description: Cryst.

Other Data: Mp >360°. Has been resolved

>>Derivative: Mono-Me ester

CAS Registry Number: 99165-99-8

Molecular Formula: $C_{13}H_{10}N_2O_4$

Molecular Weight: 258.233

Accurate Mass: 258.064058

Percentage Composition: C 60.47%; H 3.90%; N 10.85%; O 24.78%

Physical Description: Cryst. (CH_2Cl_2)

Melting Point: Mp 182-185°

>>Derivative: Di-Me ester

CAS Registry Number: 39775-31-0

Molecular Formula: $C_{14}H_{12}N_2O_4$

Molecular Weight: 272.26

Accurate Mass: 272.079708

Percentage Composition: C 61.76%; H 4.44%; N 10.29%; O 23.51%

Physical Description: Needles

Melting Point: Mp 152°

Rare Chemicals Library: S25354-5

>>Derivative: Dinitrile

Synonym(s): 3,3'-Dicyano-2,2'-bipyridine

CAS Registry Number: 136869-49-3

Molecular Formula: $C_{12}H_6N_4$

Molecular Weight: 206.206

Accurate Mass: 206.059246

Percentage Composition: C 69.90%; H 2.93%; N 27.17%

Physical Description: Cryst. (subl. or 1-propanol)

Melting Point: Mp 247.5-248°

References: