



>>Entry Name: [2,2'-Bipyridine]-6,6'-dicarboxylic acid, 9CI
Synonym(s): 2,2'-Bipyridyl-6,6'-dicarboxylic acid. 6,6'-Bipicolinic acid

CAS Registry Number: 4479-74-7

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 (H_2O)
Melting Point: Mp 288 dec.°

>>Derivative: Di-Et ester

CAS Registry Number: 65739-40-4
Molecular Formula: $C_{16}H_{16}N_2O_4$
Molecular Weight: 300.313
Accurate Mass: 300.111008
Percentage Composition: C 63.99%; H 5.37%; N 9.33%; O 21.31%
Physical Description: Cryst. (MeOH)
Melting Point: Mp 140-141°

>>Derivative: Dichloride

CAS Registry Number: 65739-39-1
Molecular Formula: $C_{12}H_6Cl_2N_2O_2$
Molecular Weight: 281.097
Accurate Mass: 279.980632
Percentage Composition: C 51.27%; H 2.15%; Cl 25.22%; N 9.97%; O 11.38%
Melting Point: Mp 177-178°

>>Derivative: Dinitrile

Synonym(s): 6,6'-Dicyano-2,2'-bipyridine

CAS Registry Number: 4411-83-0
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: Solid
Melting Point: Mp 255-258°

References:

Burstall, F.H., *J.C.S.*, 1938, 1662, (*synth*)
Buhleier, E. *et al.*, *Chem. Ber.*, 1978, **111**, 200, (*synth*, *pmr*)
Stanek, J. *et al.*, *J. Med. Chem.*, 1993, **36**, 46, (*dinitrile*)