



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

CAS Registry Number: 4479-74-7

Molecular Formula: C₁₂H₈N₂O₄

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 (H₂O)

Melting Point: Mp 288 dec.°

>>Derivative: Di-Et ester

CAS Registry Number: 65739-40-4

Molecular Formula: C₁₆H₁₆N₂O₄

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: C₁₂H₆Cl₂N₂O₂

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: C₁₂H₆N₄

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*)