



>>Entry Name: 6,6'-Dibromo-2,2'-bipyridine, 9Cl

CAS Registry Number: 49669-22-9

Molecular Formula: C₁₀H₆Br₂N₂

Molecular Weight: 313.979

Accurate Mass: 311.92977

Percentage Composition: C 38.25%; H 1.93%; Br 50.90%; N 8.92%

Physical Description: Cryst. (C₆H₆), needles by subl.

Melting Point: Mp 226-227° (221-223°)

>>Derivative: 1-Oxide

CAS Registry Number: 25373-71-1

Molecular Formula: C₁₀H₆Br₂N₂O

Molecular Weight: 329.978

Accurate Mass: 327.924685

Percentage Composition: C 36.40%; H 1.83%; Br 48.43%; N 8.49%; O 4.85%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 209-211 dec.°

>>Derivative: 1,1'-Dioxide

CAS Registry Number: 25373-70-0

Molecular Formula: C₁₀H₆Br₂N₂O₂

Molecular Weight: 345.978

Accurate Mass: 343.9196

Percentage Composition: C 34.72%; H 1.75%; Br 46.19%; N 8.10%; O 9.25%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 232-234 dec.°

References:

Burstall, F.H., *J.C.S.*, 1938, 1662, (*synth*)

Abramovitch, R.A. *et al.*, *J. Het. Chem.*, 1972, **9**, 1367, (*oxides*)

Parks, J.E. *et al.*, *J. Organomet. Chem.*, 1973, **56**, 53, (*synth*)

Newkome, G.R. *et al.*, *J.O.C.*, 1979, **44**, 1362, (*synth*)

Weber, E. *et al.*, *J.O.C.*, 1985, **50**, 3125, (*synth*)

Oae, S. *et al.*, *Phosphorus Sulfur Relat. Elem.*, 1987, **34**, 123, (*synth*)

Butler, I.R. *et al.*, *Can. J. Chem.*, 1991, **69**, 1117, (*synth, pmr, ms*)