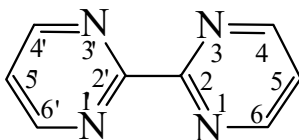




>>Entry Name: **2,2'-Bipyrimidine**

Synonym(s): 2,2'-Bipyrimidyl. Bpym



CAS Registry Number: 34671-83-5

Molecular Formula: C₈H₆N₄

Molecular Weight: 158.162

Accurate Mass: 158.059246

Percentage Composition: C 60.75%; H 3.82%; N 35.42%

Use/Importance: Complexing agent. Used as a 2% aq. soln. for photometric detn. of Fe(II)

Physical Description: Cryst. (EtOAc/petrol)

Melting Point: Mp 113-115°

Solubility: Sol. H₂O

Other Data: Dimeric in H₂O soln.

References:

Bly, D.D. *et al.*, *J.O.C.*, 1962, **27**, 2945, (*synth*)

Bly, D.D., *Anal. Chem.*, 1963, **35**, 1386, (*detn, Fe*)

Dose, E.V. *et al.*, *Inorg. Chem.*, 1978, **17**, 2660, (*synth, use*)

Nasielski, J. *et al.*, *Synth. Commun.*, 1991, **21**, 901, (*synth*)

Krejčík, M. *et al.*, *J.C.S. Perkin 2*, 1992, 2007, (*uv*)