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**Synthesis, Characterization and Molecular Structure of a Novel Schiff Base, N3,N3'-di-2-hydroxybenzylidene-[2,2']bipyridinyl-3,3'-diamine.**

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A novel Schiff base N3,N3'-di-2-hydroxybenzylidene-[2,2']bipyridinyl-3,3'-diamine was synthesized from condensation of salicyl aldehyde with 3,3'-diamino-2,2'-

bipyridine. The Schiff base was isolated as analytically pure orange crystals and fully characterized by the combination of elemental analysis, MS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR, UV-Vis. Spectroscopy. Molecular structure of the Schiff base was determined by X-ray crystallography and semi-empirical calculations.

