

SUPPLEMENTARY INFORMATION

Synthesis and Structure of the Novel Mononuclear Copper(II) Complex of the Unsymmetrical Pyrimidine-Modulated Long-Chain Hexapyridylpentaamine Ligand

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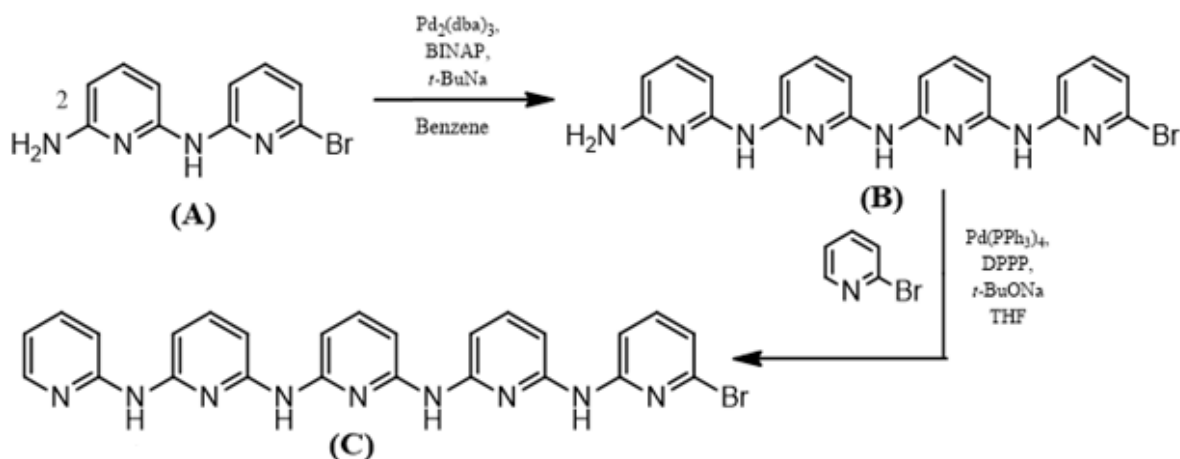
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Scheme 1S. The synthesis of N²-(6-bromopyridin-2-yl)-N⁶-(6-((6-(pyridin-2-ylamino)pyridin-2-yl)amino)pyridin-2-yl)pyridine-2,6-diamine (**C**)

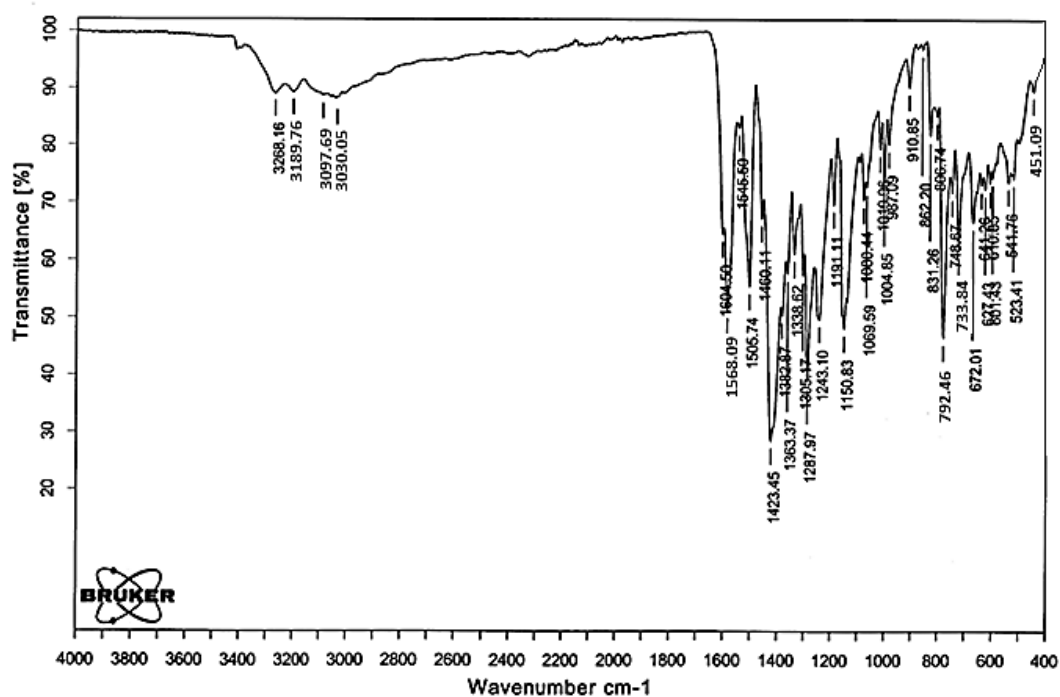


Figure 1S. IR spectra of $H_5N_{11}\text{-tpm}$.

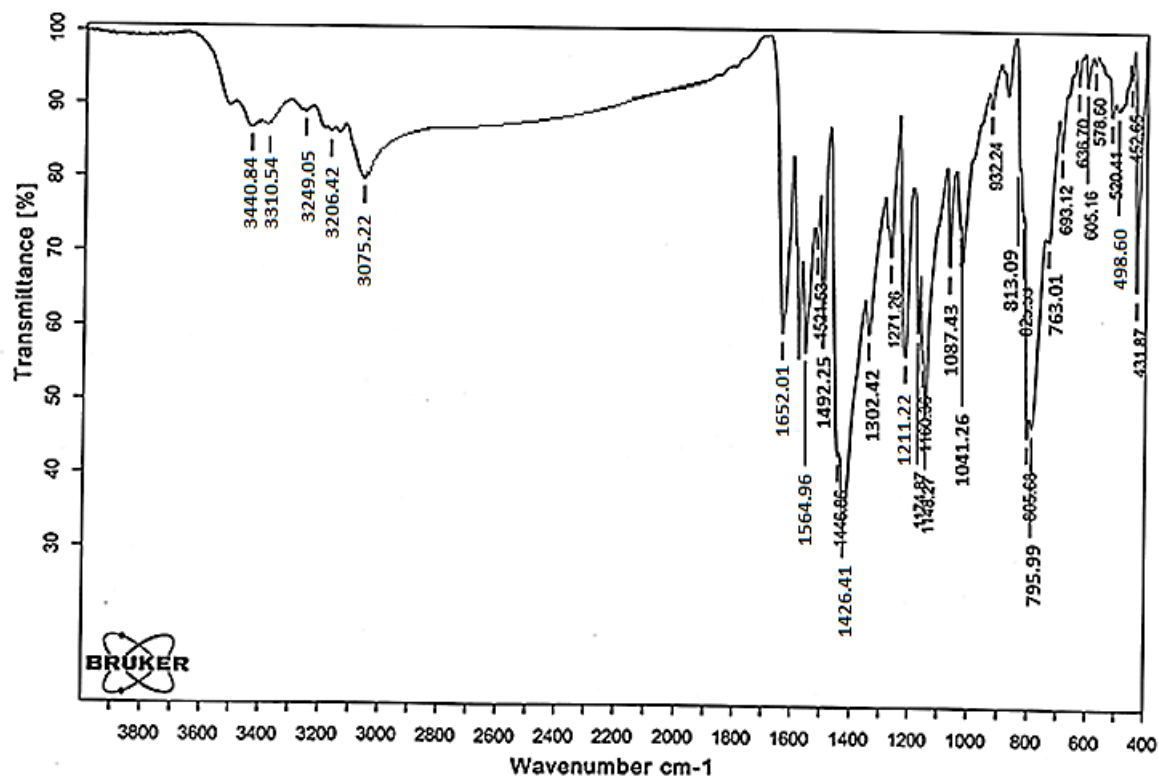


Figure 2S. IR spectra of $[Cu(H_5N_{11}\text{-tpm})](ClO_4)_2$ (1).

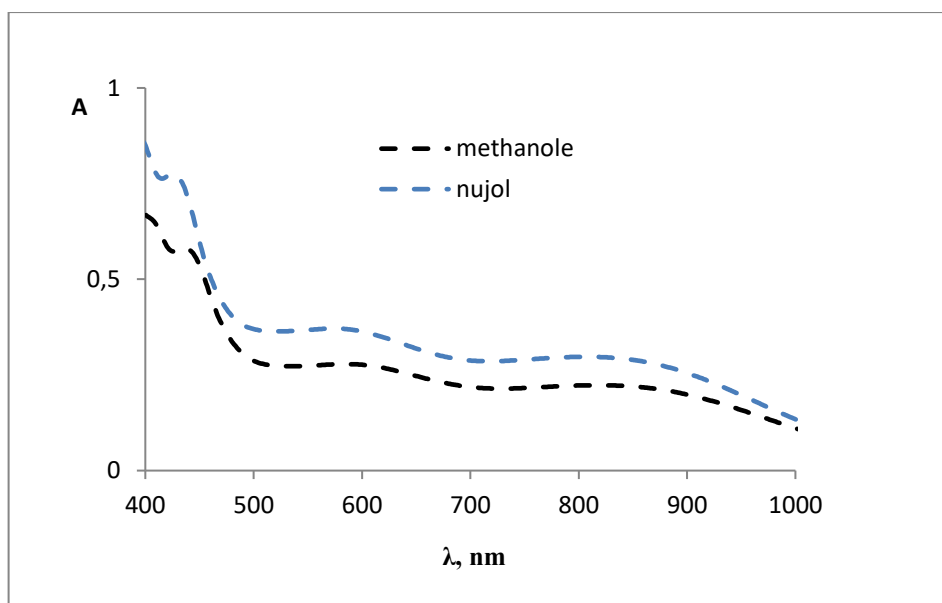


Figure 3S. Visible spectra of complex **1** in nujol suspension and methanol.