Supplementary Material

A facile colorimetric method for ultra-rapid and sensitive detection of copper ions in water

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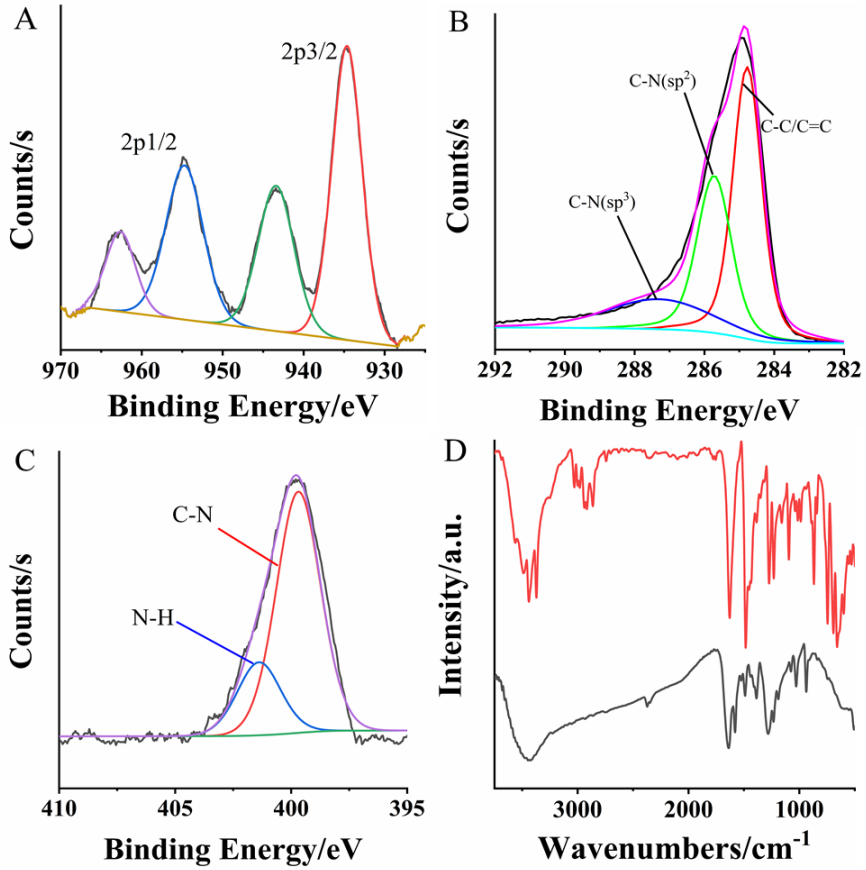

Figure S1 A) XPS spectrum of the complex of TMB with Cu^{2+}. B, C) XPS spectrum of C 1s and N1s, respectively; D) FT-IR spectrum of TMB (blue curve) and Cu ion with TMB (black curve).

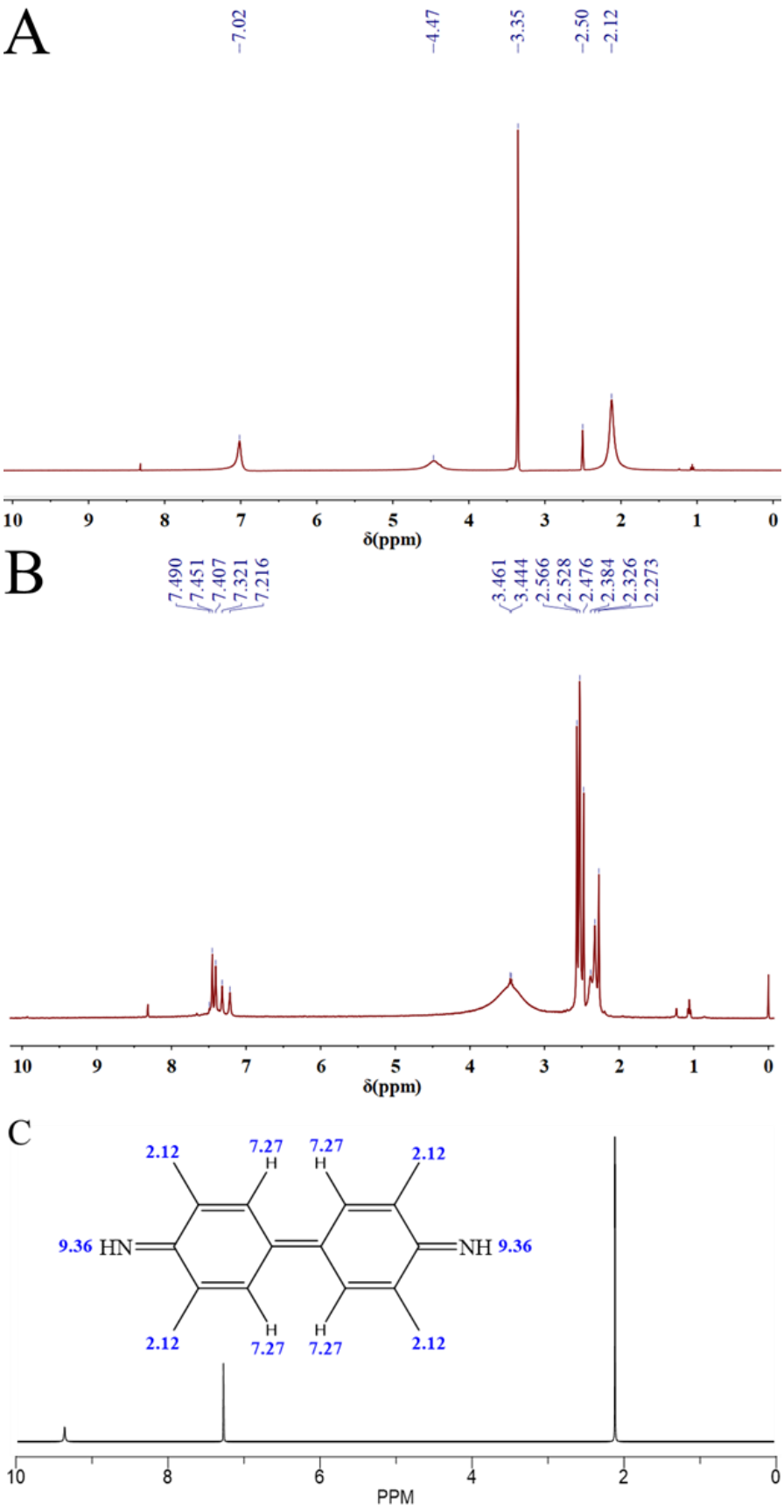

Figure S2 A) ^{1}H-NMR of TMB; B) ^{1}H-NMR of complex of TMB and Cu^{2+}; C) ^{1}H-NMR of oxTMB via Chemdraw predict.