

## Supplementary Materials

# Biochemical Characterization of New Gemifloxacin Schiff Base (GMFX-o-phdn) Metal Complexes and Evaluation of Their Antimicrobial Activity against Some Phyto- or Human Pathogens

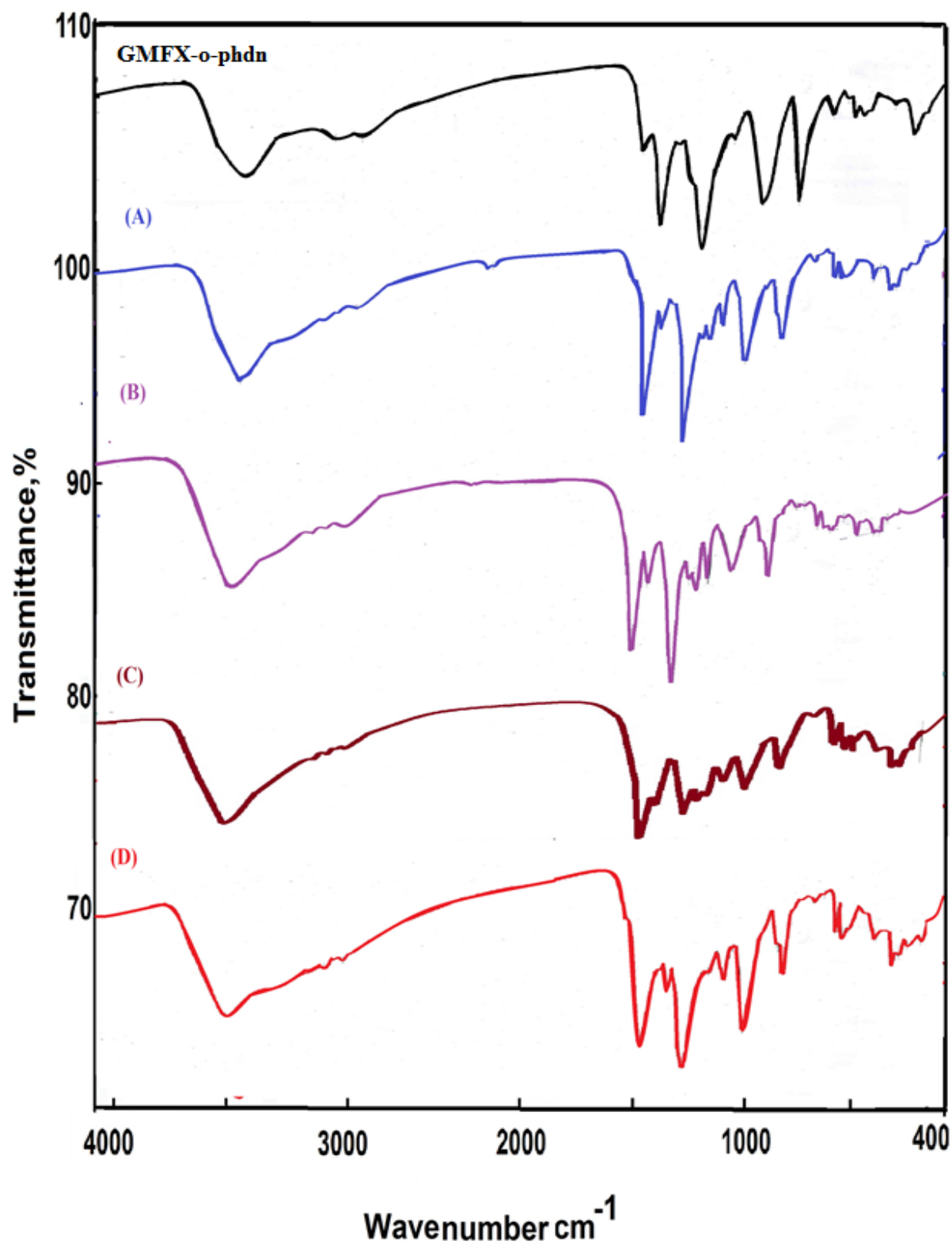
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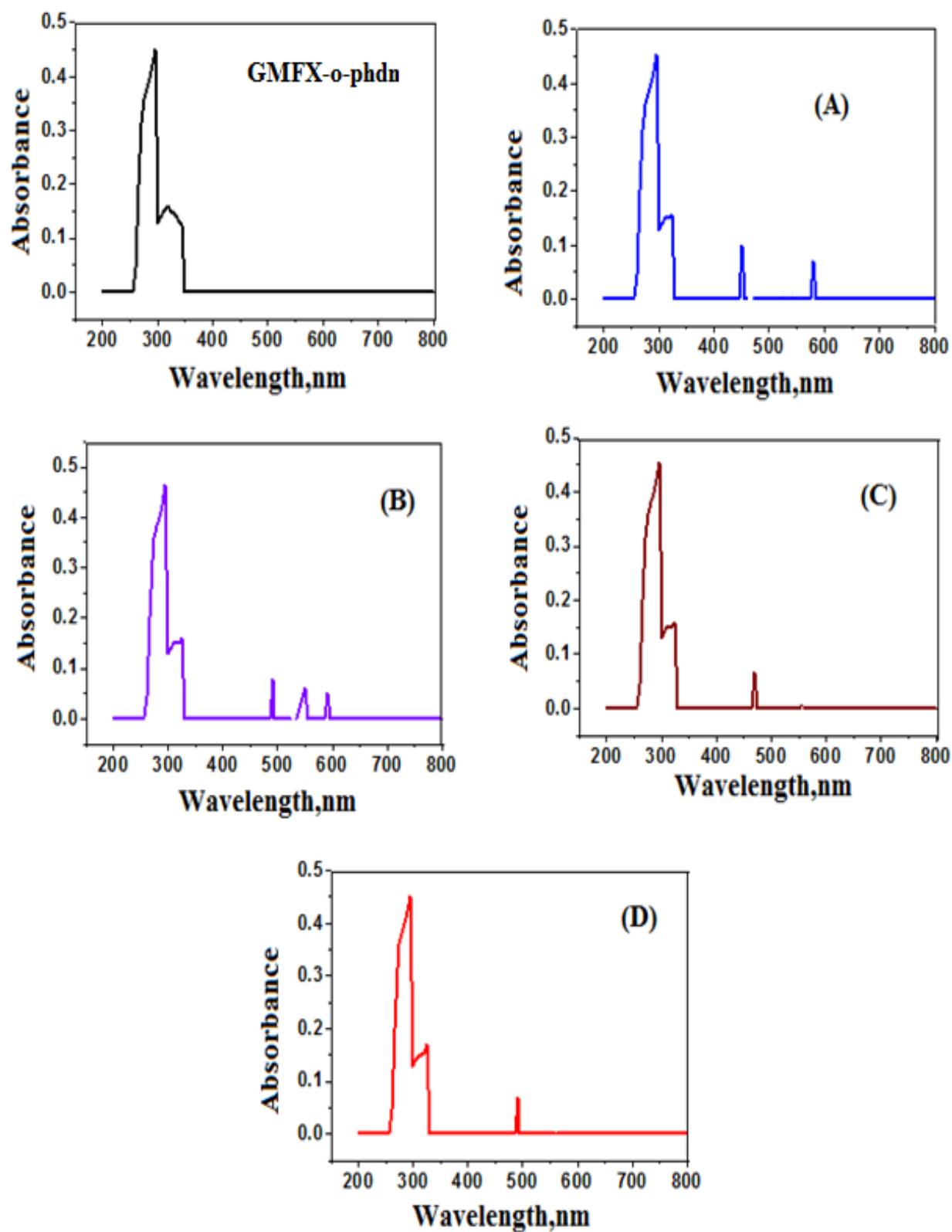
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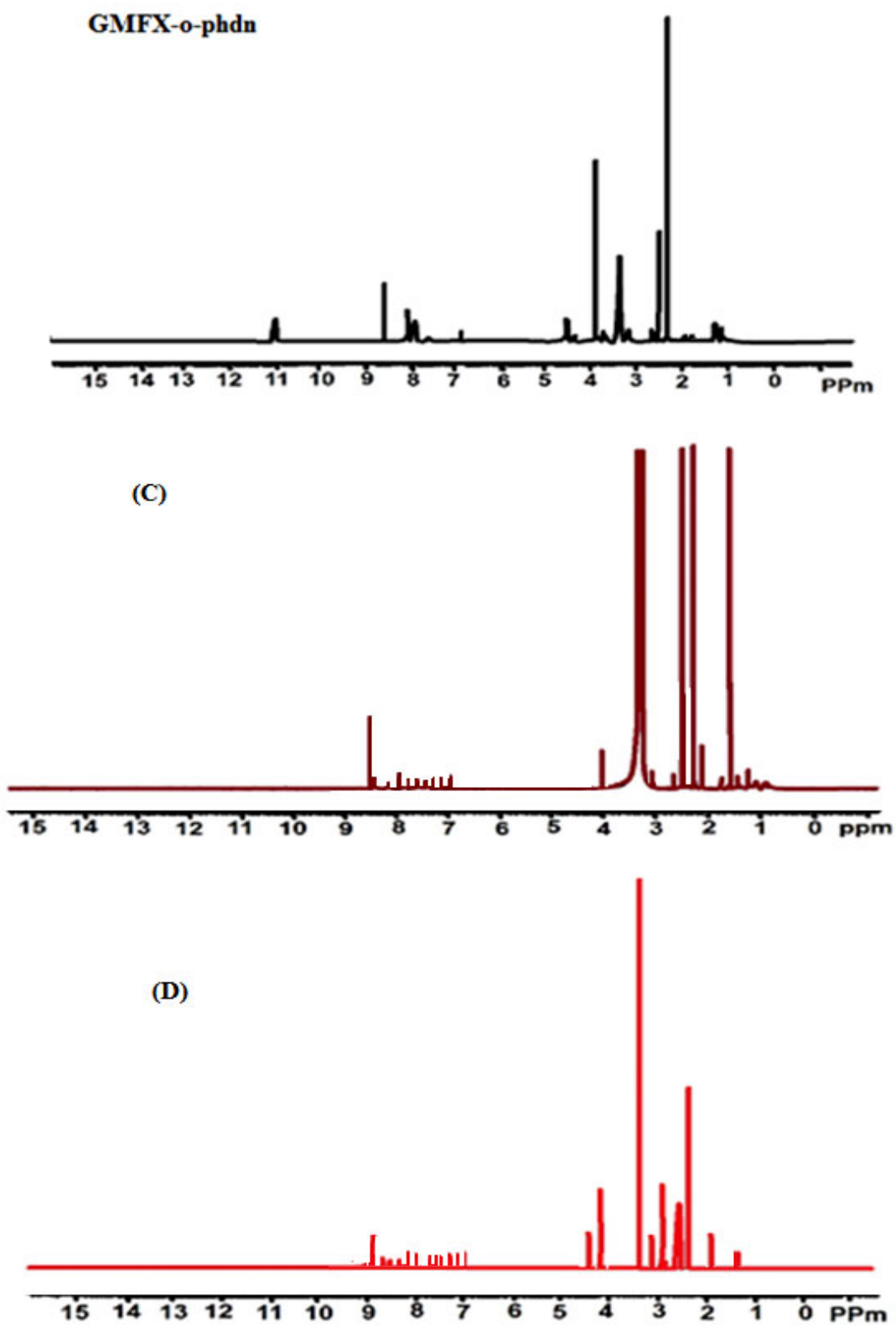
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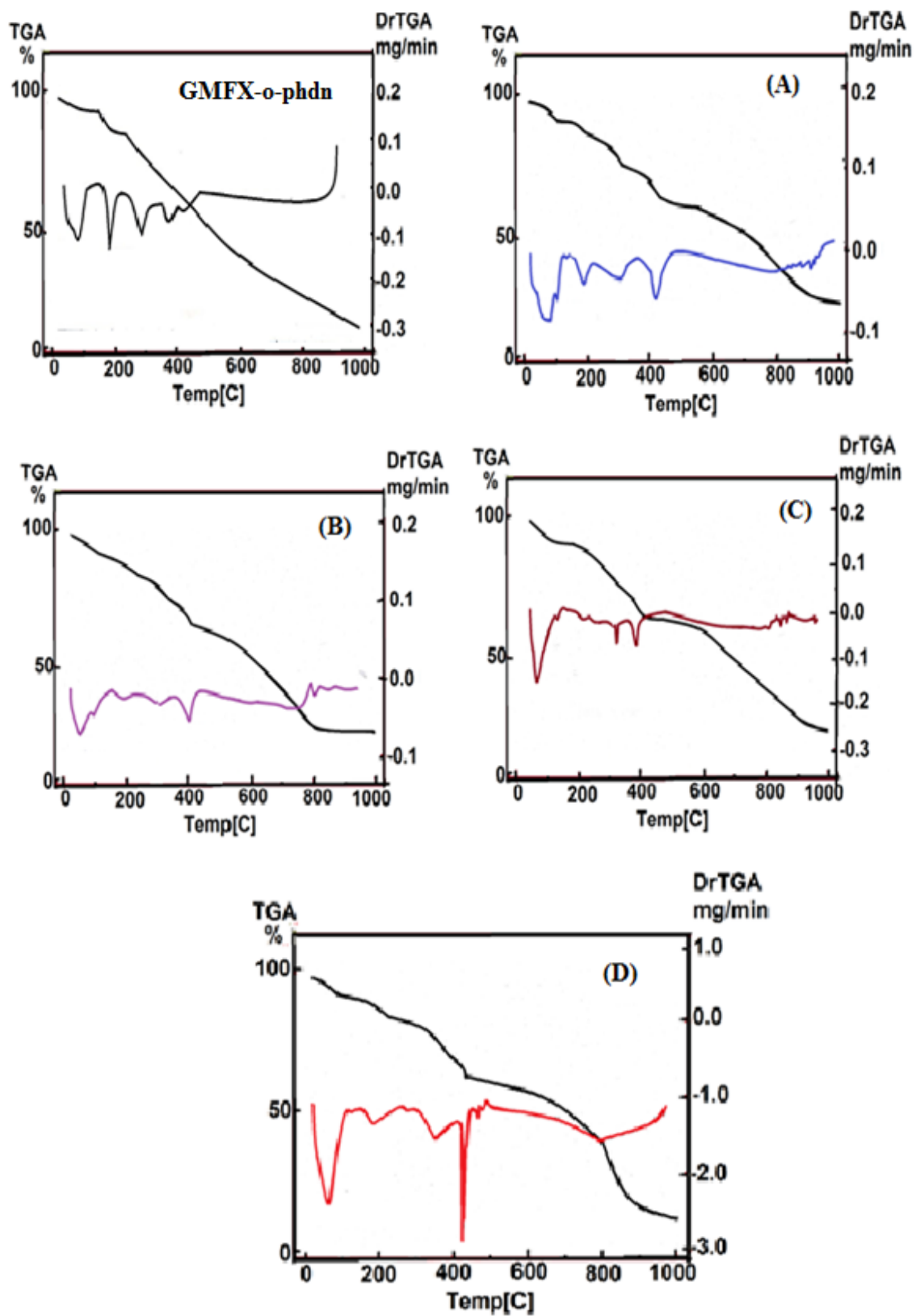
**Figure S1.** Infrared spectra for GMFX-o-phdn and its metal complexes



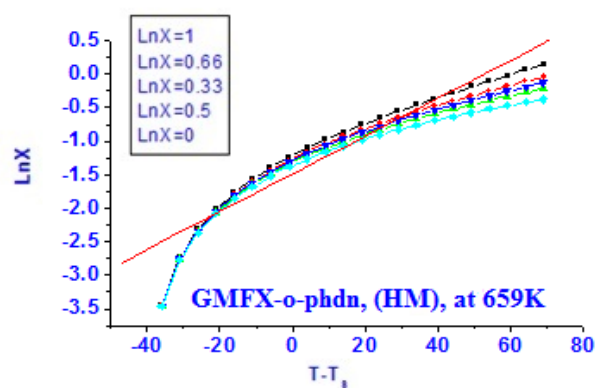
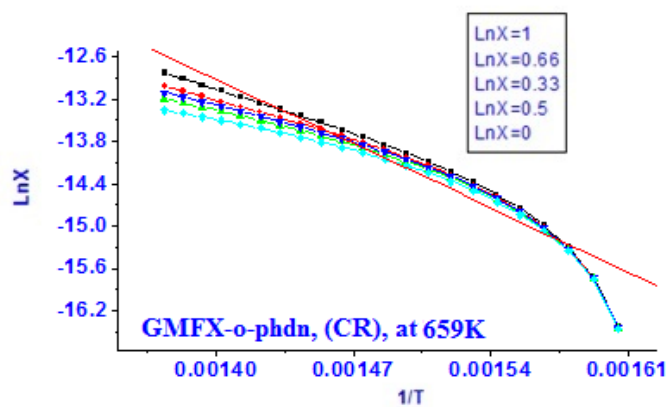
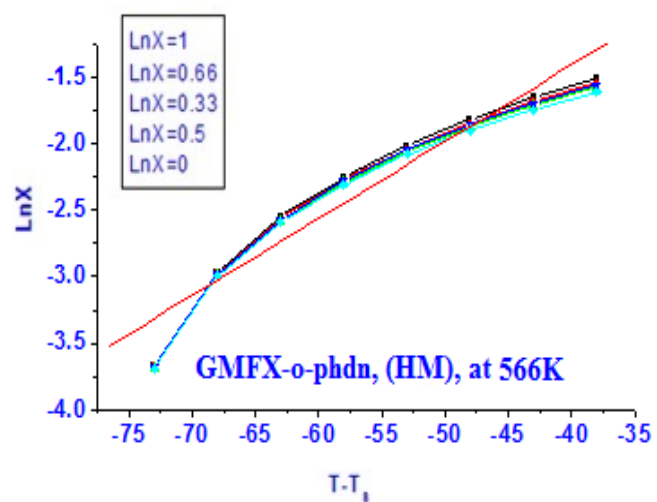
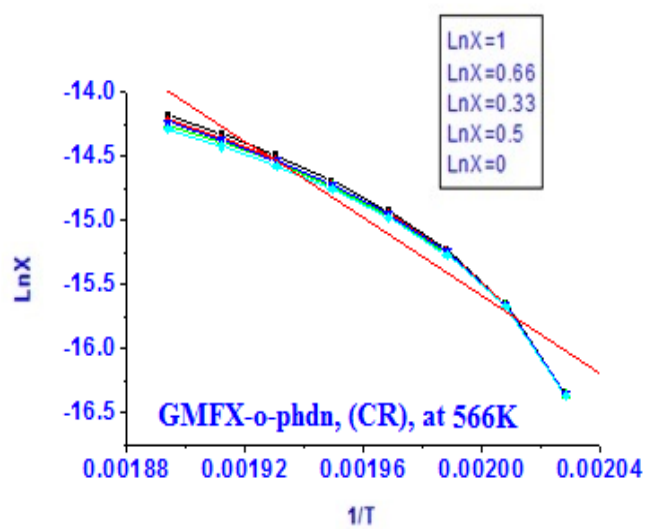
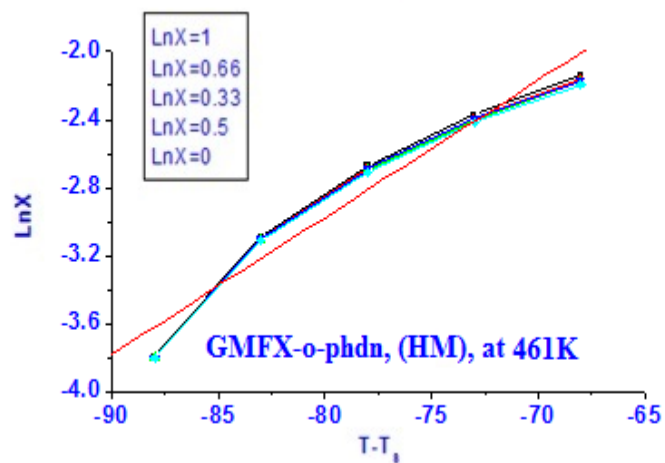
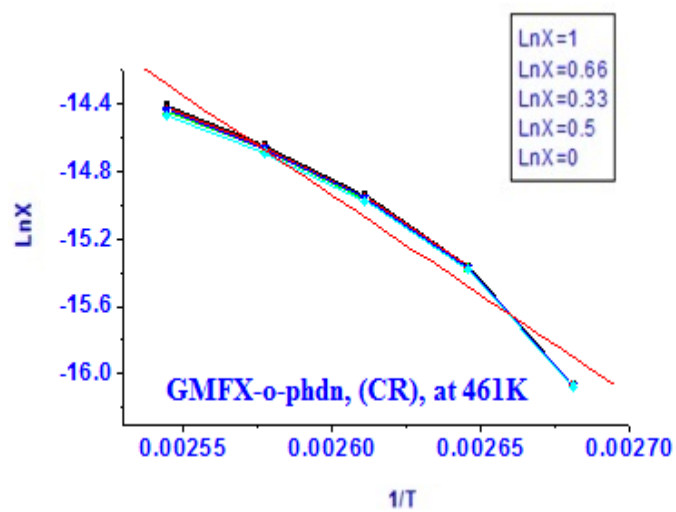
**Figure S2.** Electronic absorption spectra for GMFX-o-phdn and its metal complexes

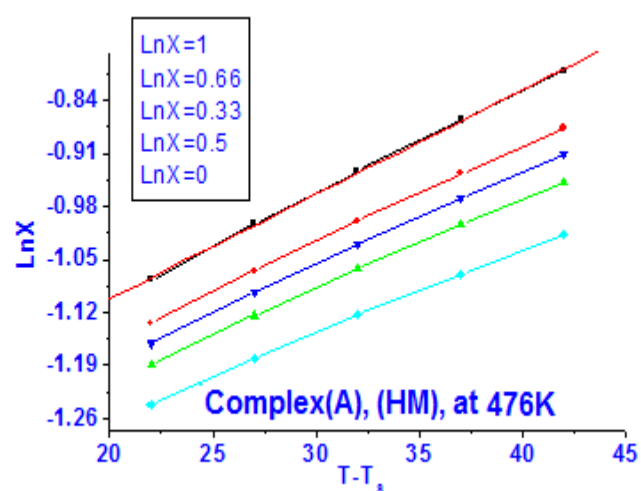
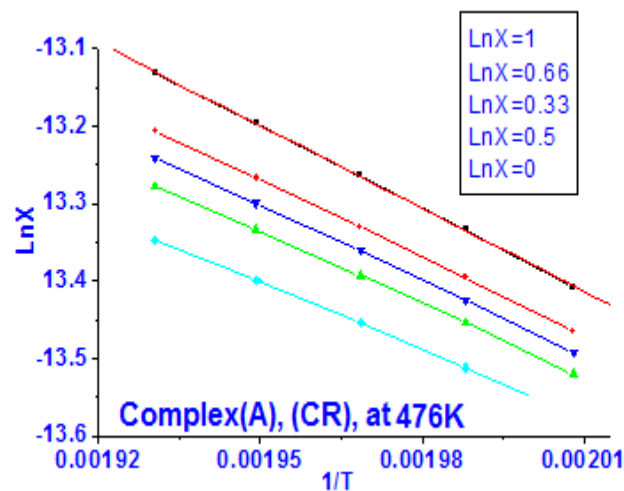
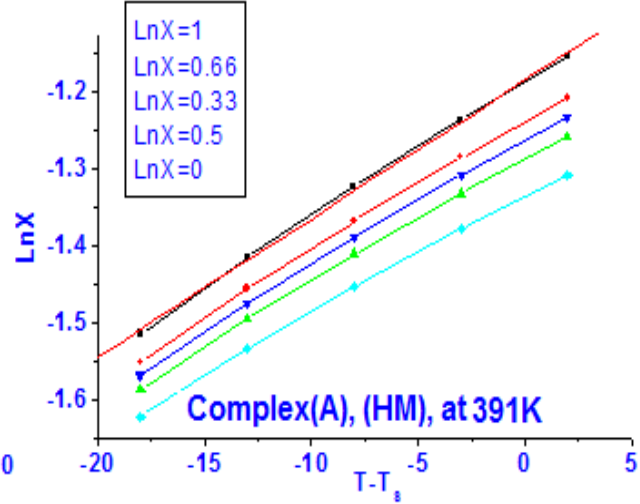
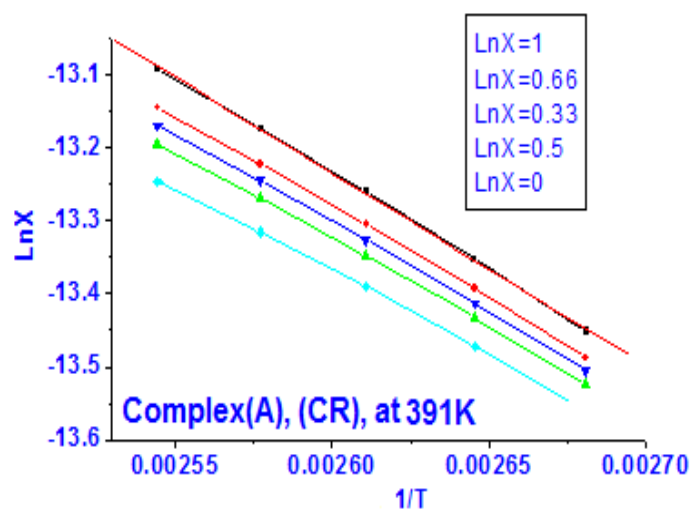
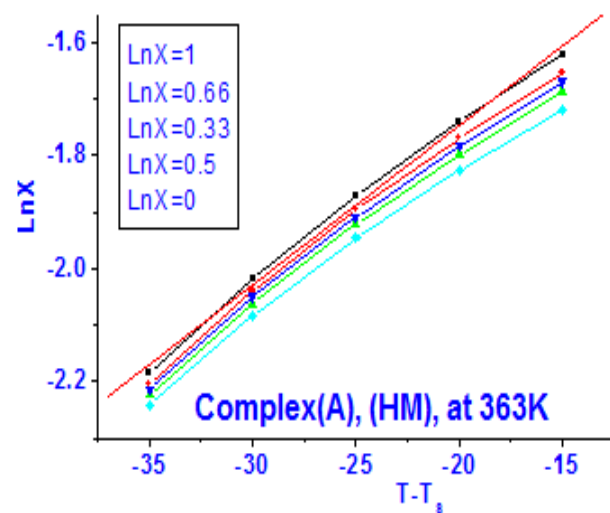
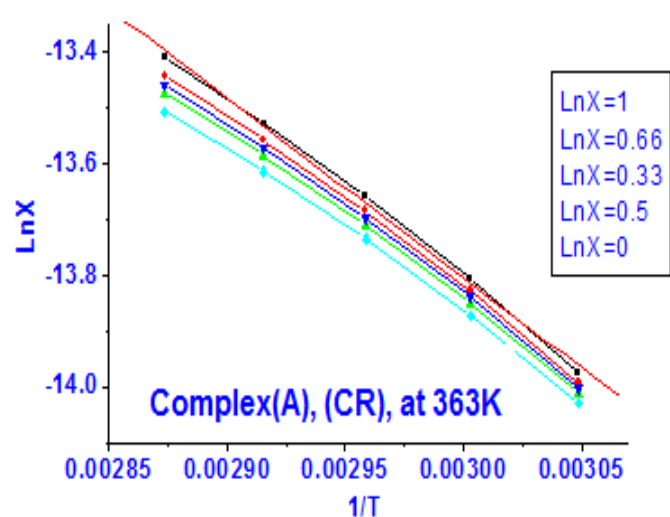


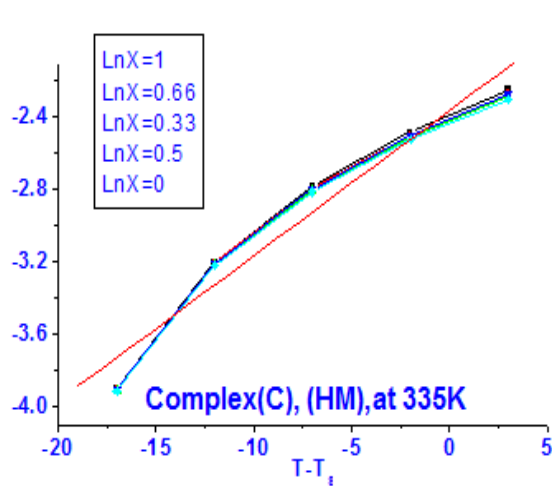
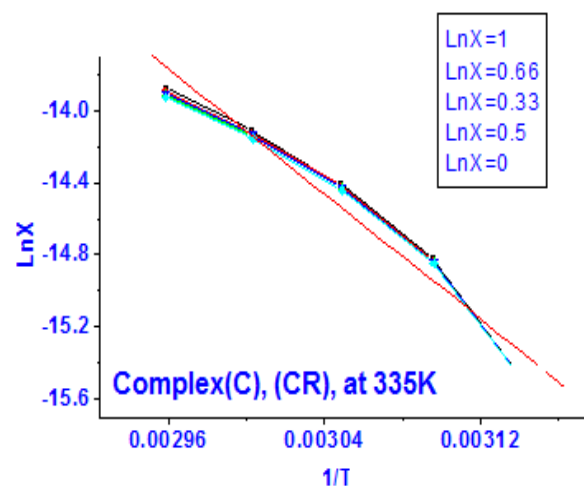
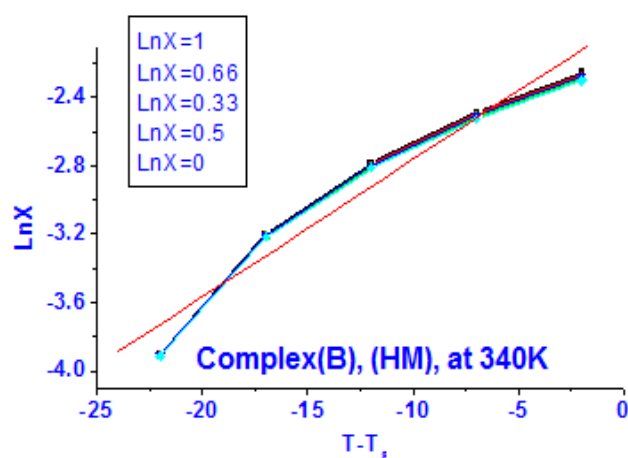
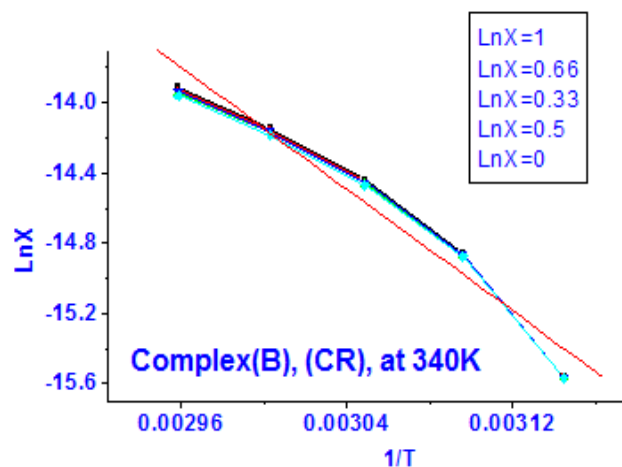
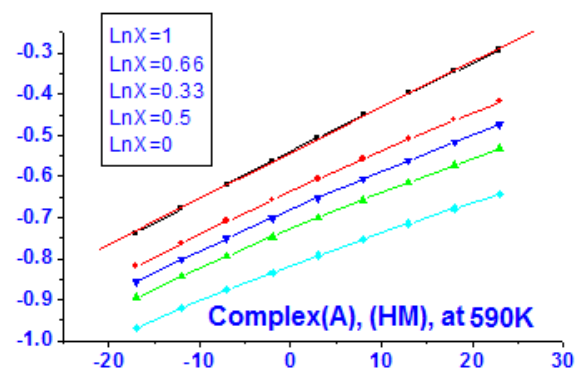
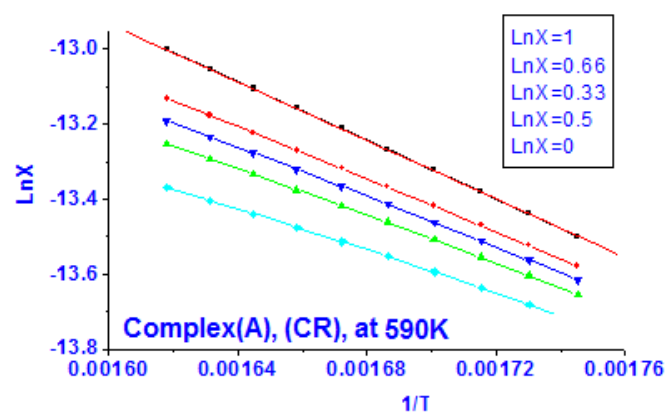
**Figure S3.** <sup>1</sup>H NMR spectra for GMFX-o-phdn, (C) and (D) complexes



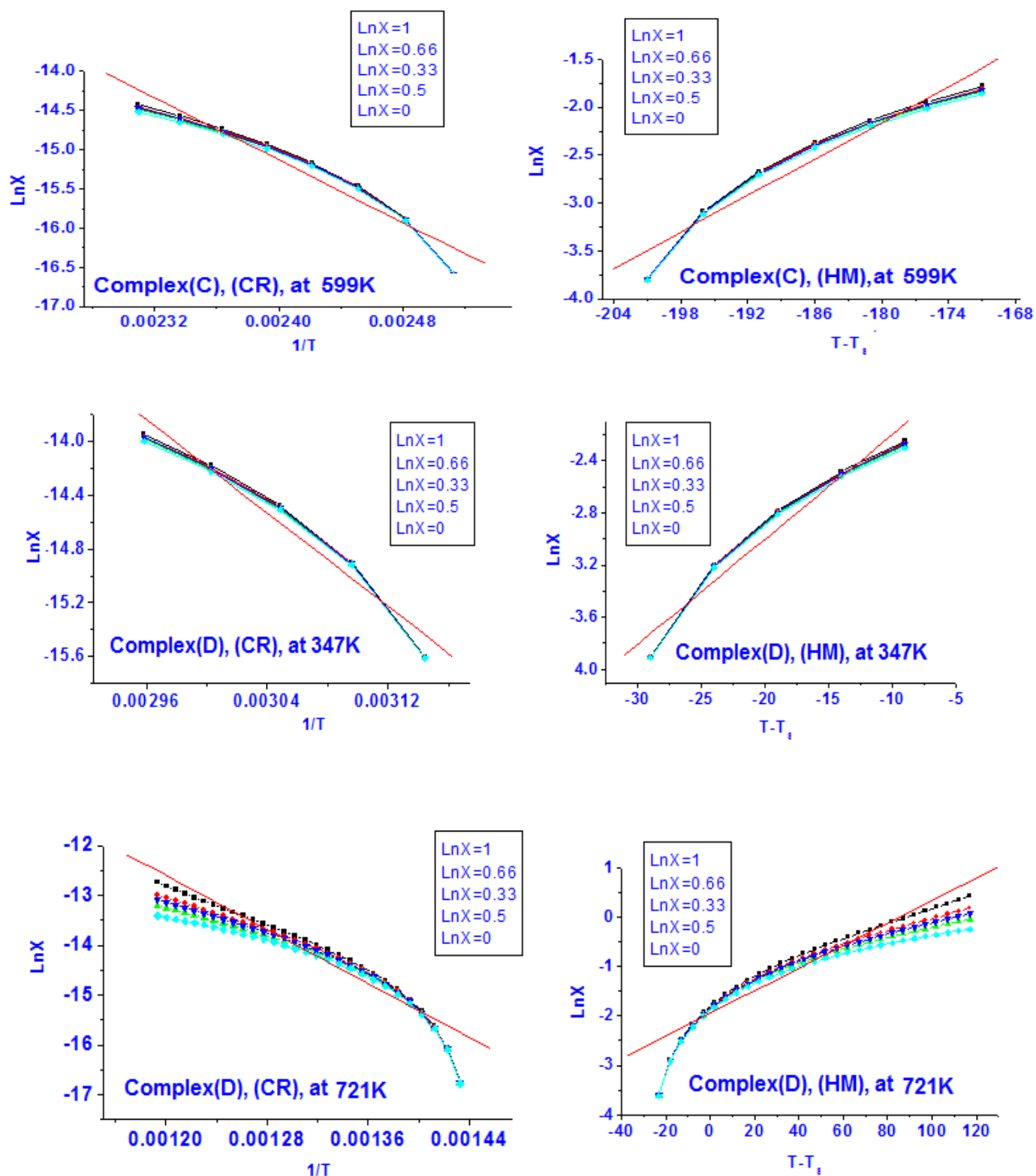
**Figure S4.** TGA and DTG diagram for GMFX-o-phdn and its metal complexes











**Figure S5.** The diagrams of kinetic parameters of GMFX-o-phdn and its metal complexes using Coats-Redfern(CR) and Horowitz-Metzger (HM) equations