

Supporting Information

Novel α -N-heterocyclic thiosemicarbazone complexes: Synthesis, characterization, and antimicrobial of properties investigation

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Supplementary Material

Herein, IR, ¹H-NMR, and TGA spectra of the heterocyclic thiosemicarbazone complexes(**H₁Ni, H₂Ni, H₃Ni, H₄Ni, H₁Cu, H₂Cu, H₃Cu, H₄Cu**)

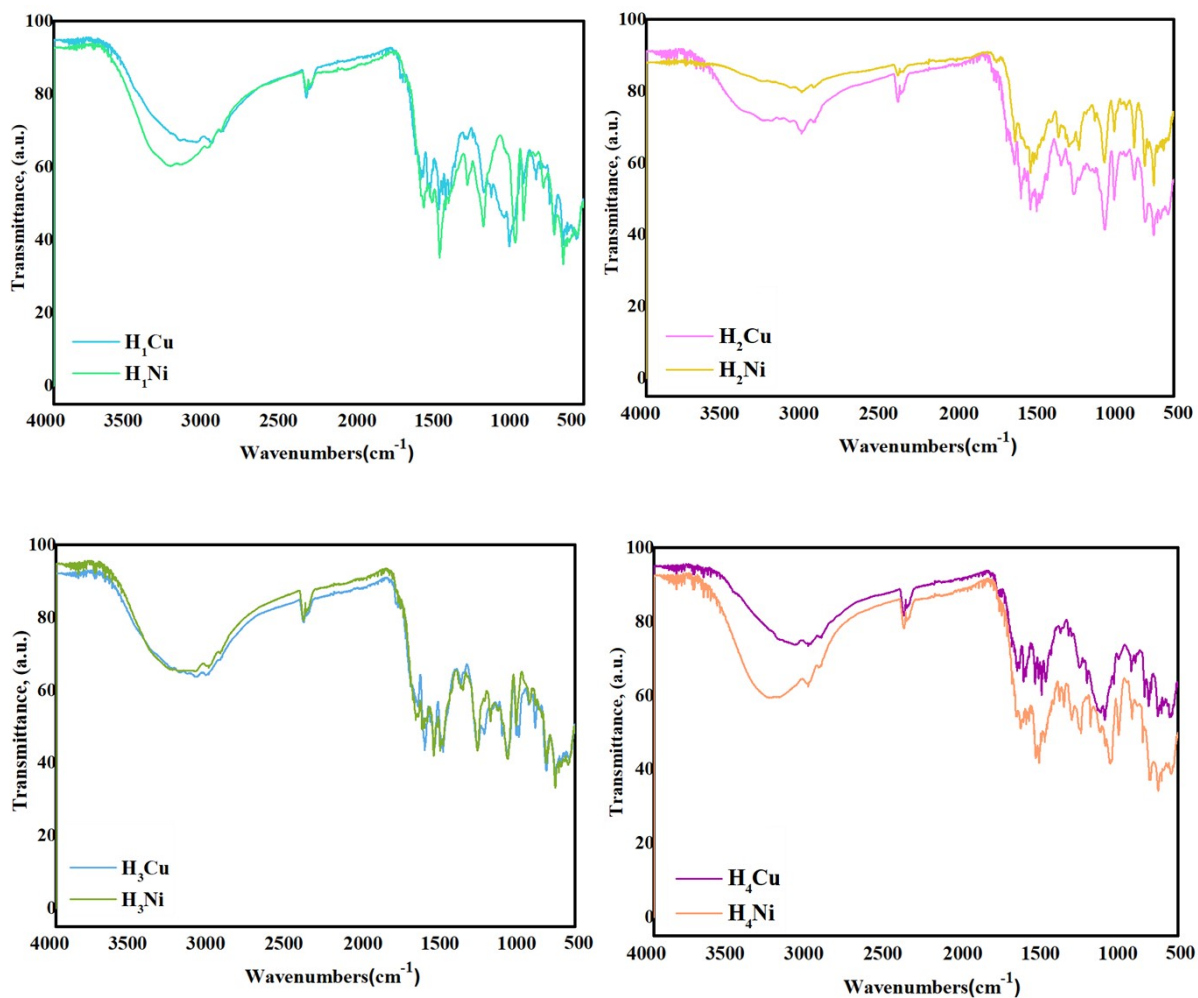


Fig. S1. IR spectra of the heterocyclic thiosemicarbazone complexes (**H₁Ni**, **H₂Ni**, **H₃Ni**, **H₄Ni**, **H₁Cu**, **H₂Cu**, **H₃Cu**, **H₄Cu**)

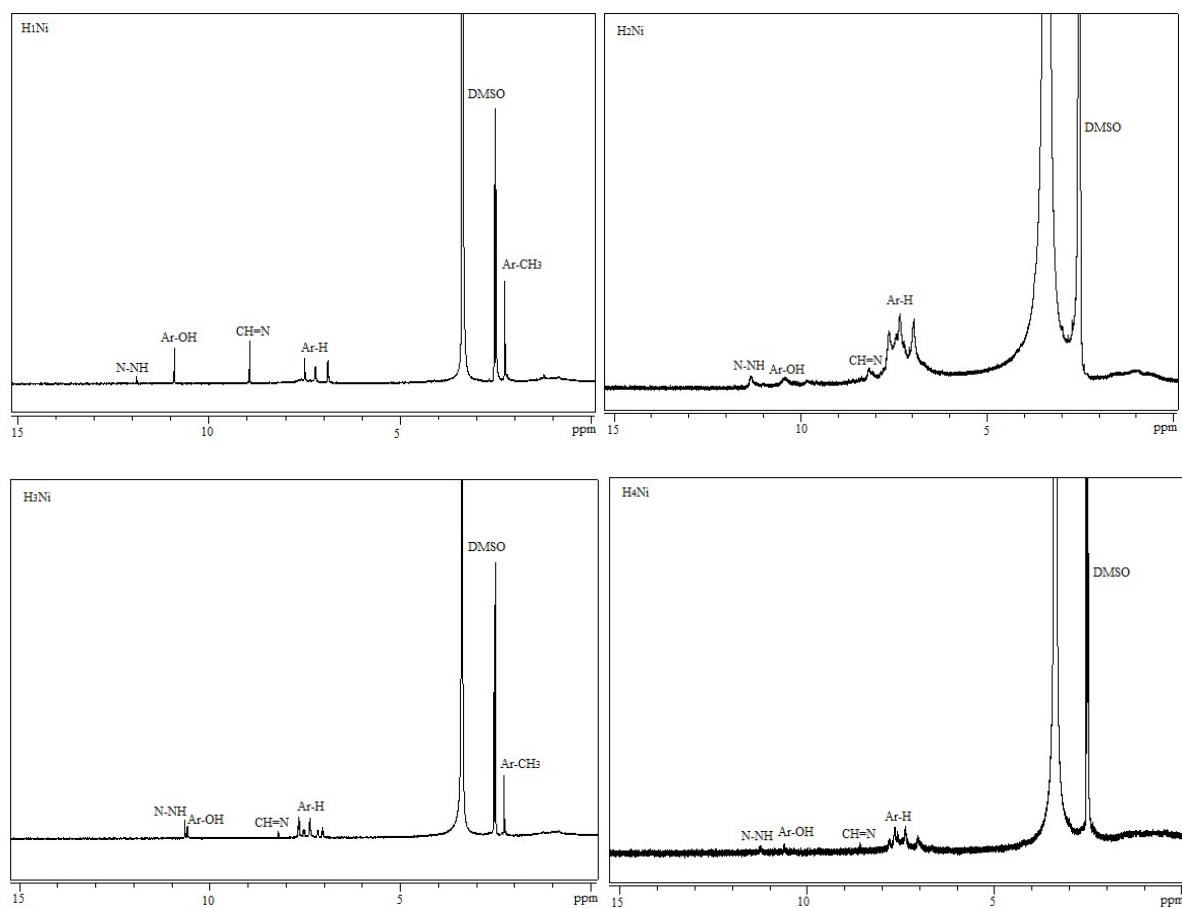


Fig. S2. $^1\text{H-NMR}$ spectra of the heterocyclic thiosemicarbazone complexes (H_1Ni , H_2Ni , H_3Ni , H_4Ni)

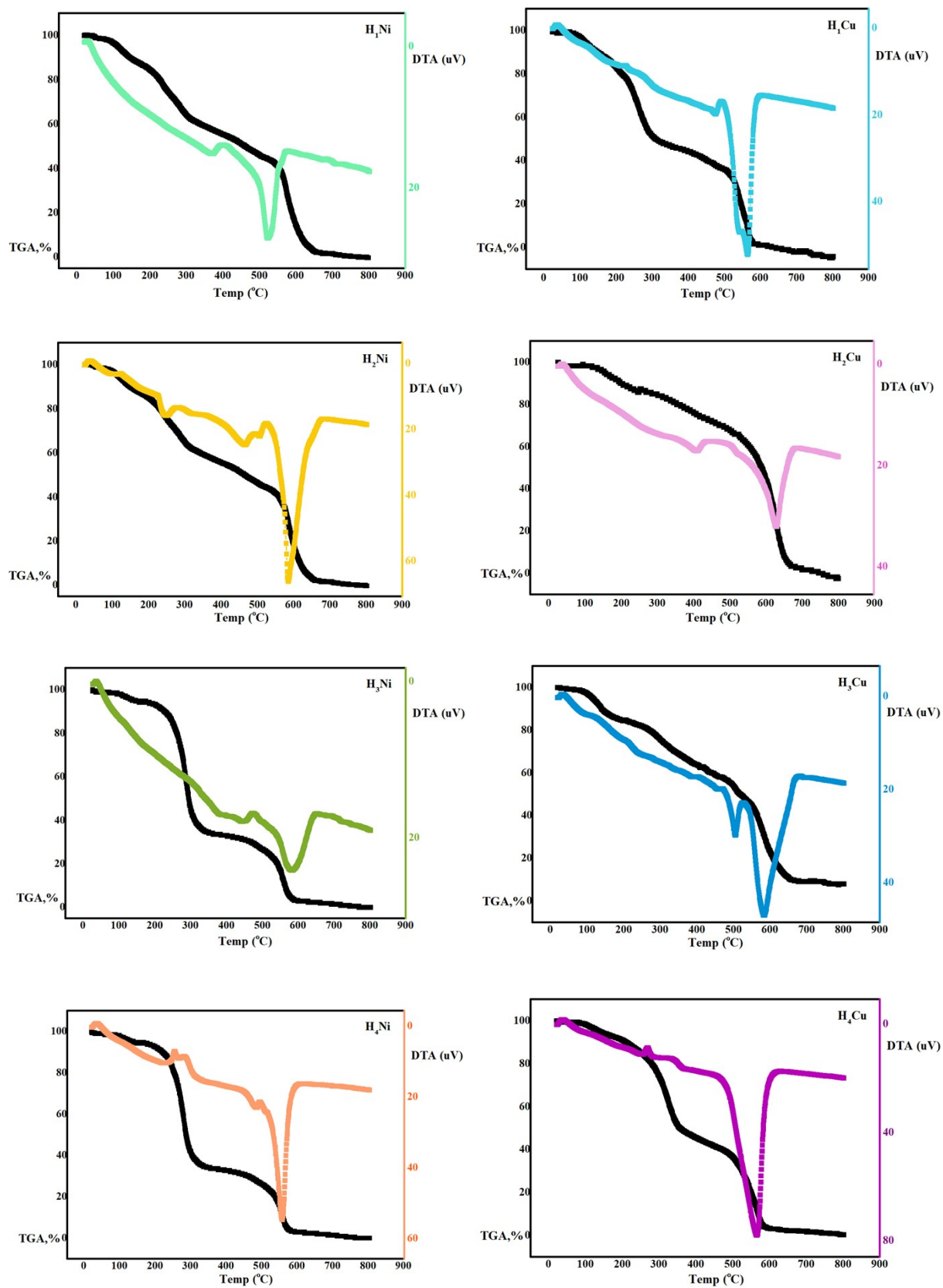


Fig. S3. TGA spectra of the heterocyclic thiosemicarbazone complexes (H₁Ni, H₂Ni, H₃Ni, H₄Ni, H₁Cu, H₂Cu, H₃Cu, H₄Cu)