

Supplementary Data

This supplementary data is a part of a paper entitled "Preparation, Characterization, and Biological Activity of La(III), Nd(III), Er(III), Gd(III), and Dy(III) Complexes with Schiff Base Resulted from Reaction of 4-Antipyrinecarboxaldehyde and 2-Aminobenzothiazole".

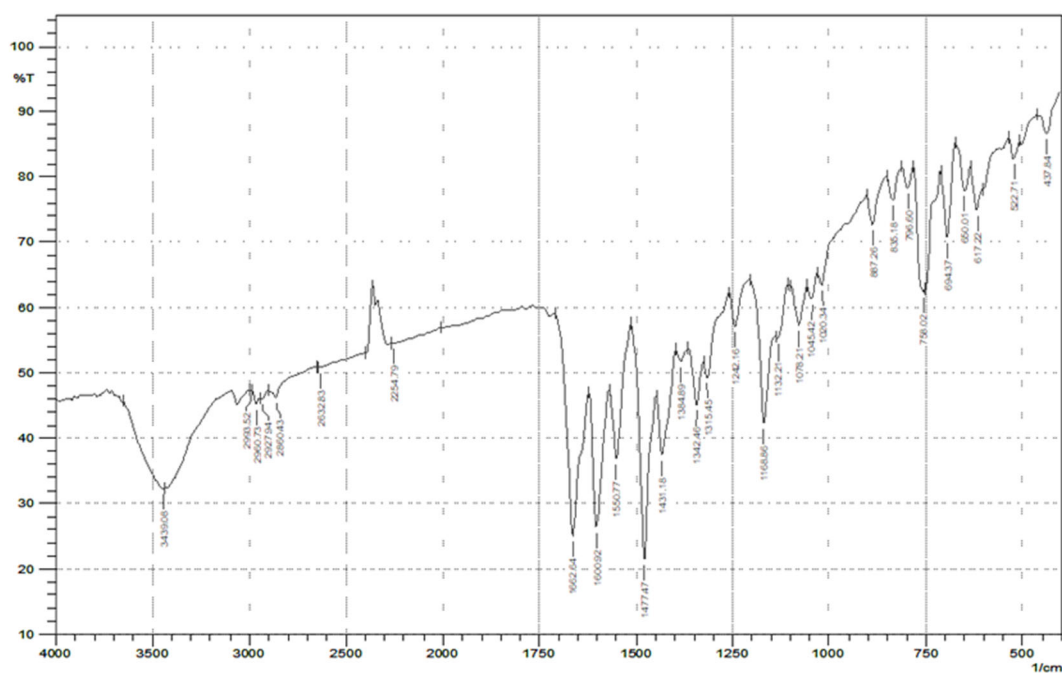


Fig S1. FTIR of ligand

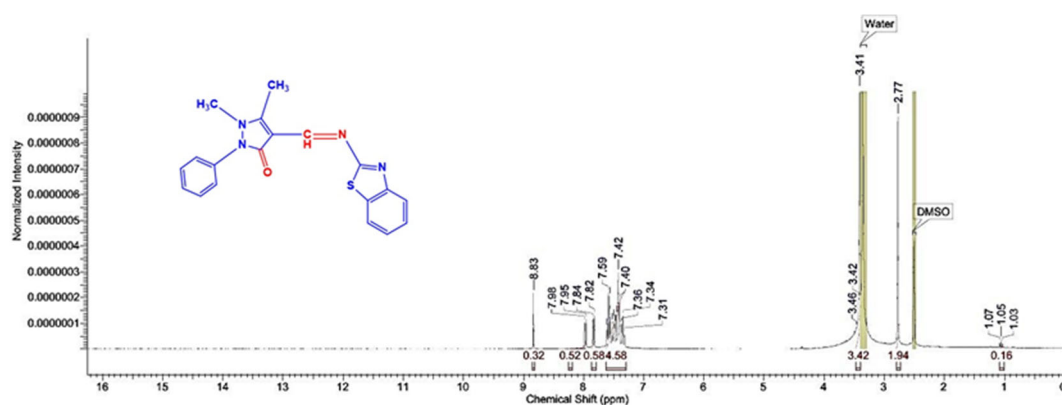


Fig S2. ¹H-NMR of ligand

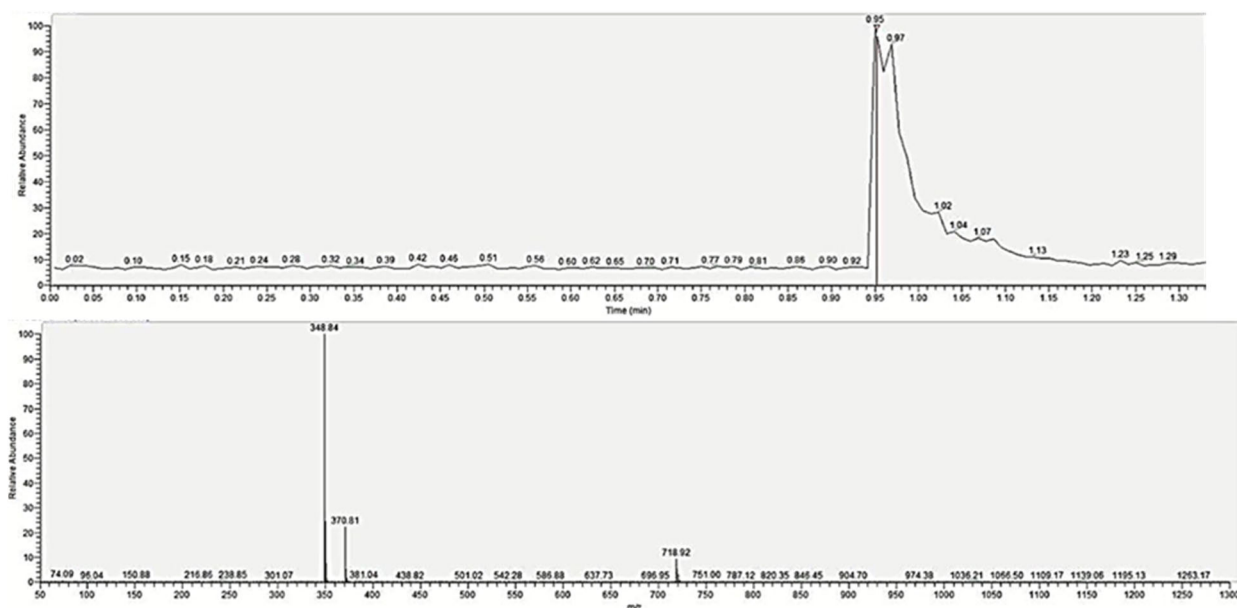
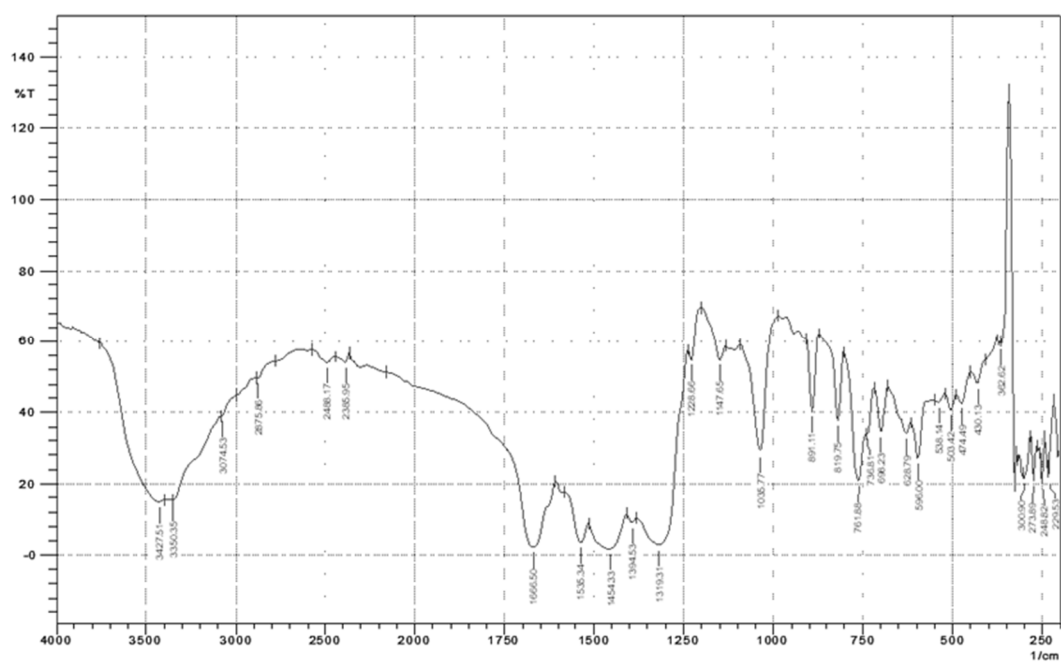
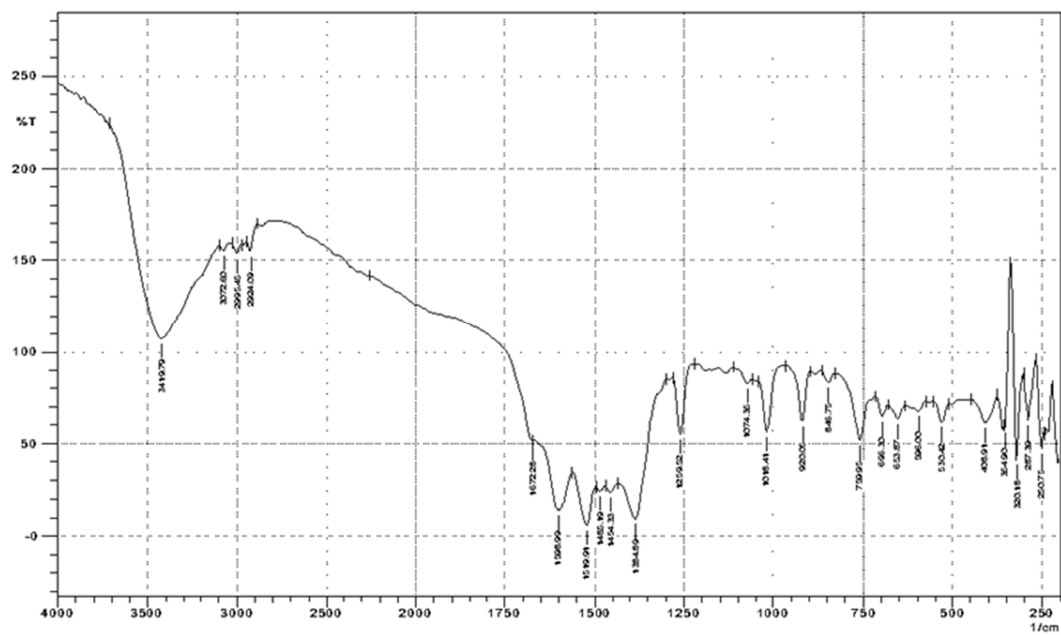


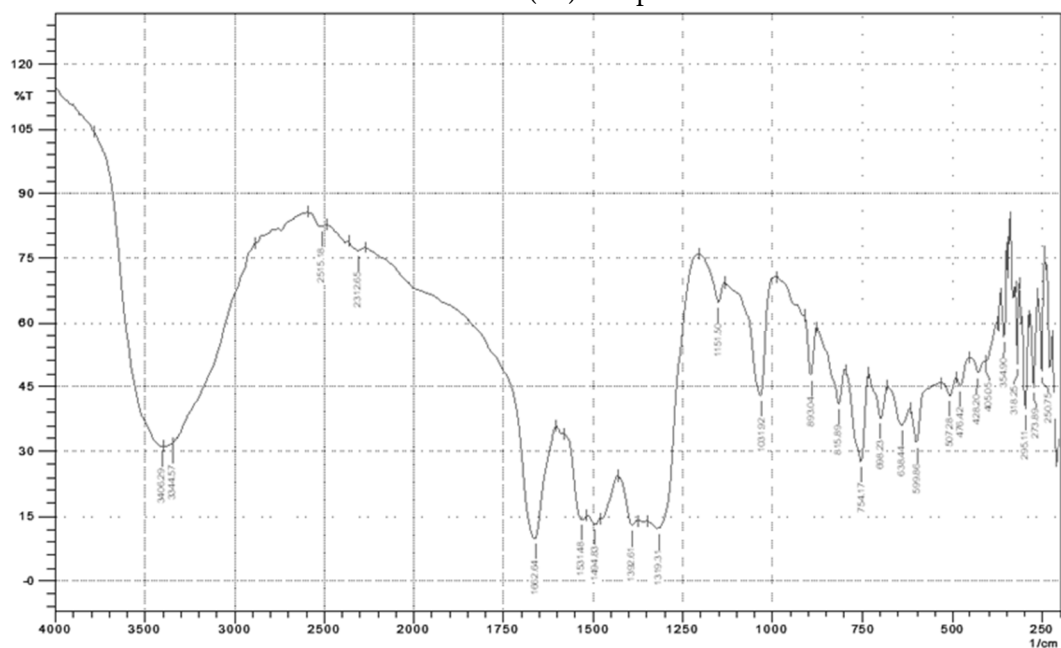
Fig S3. LC-MS of ligand



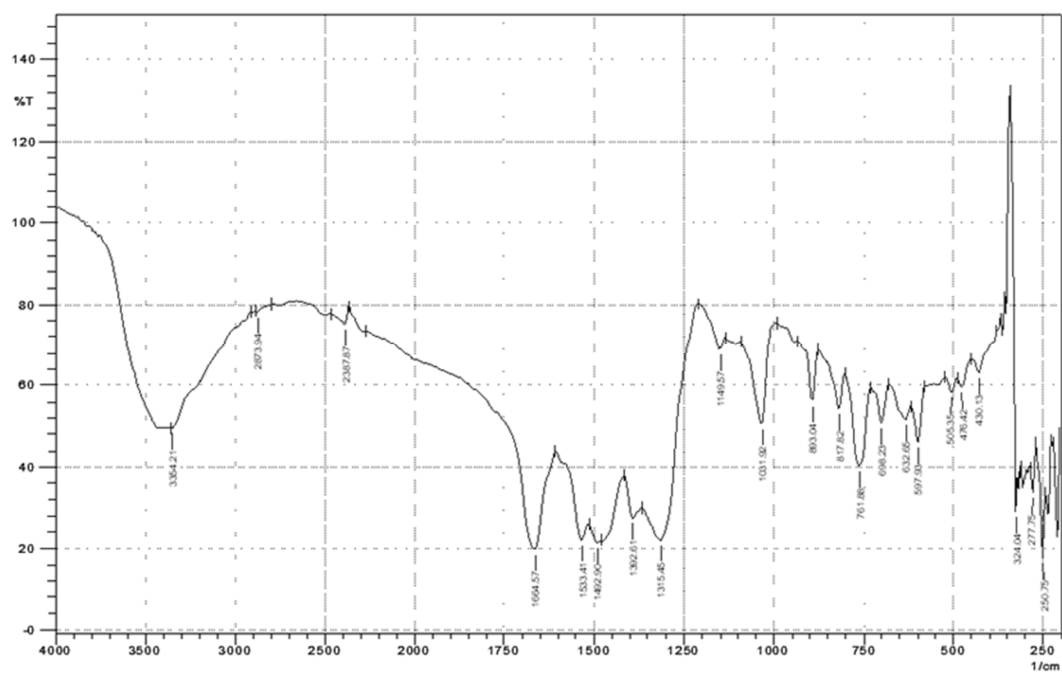
FTIR of La(III) complex



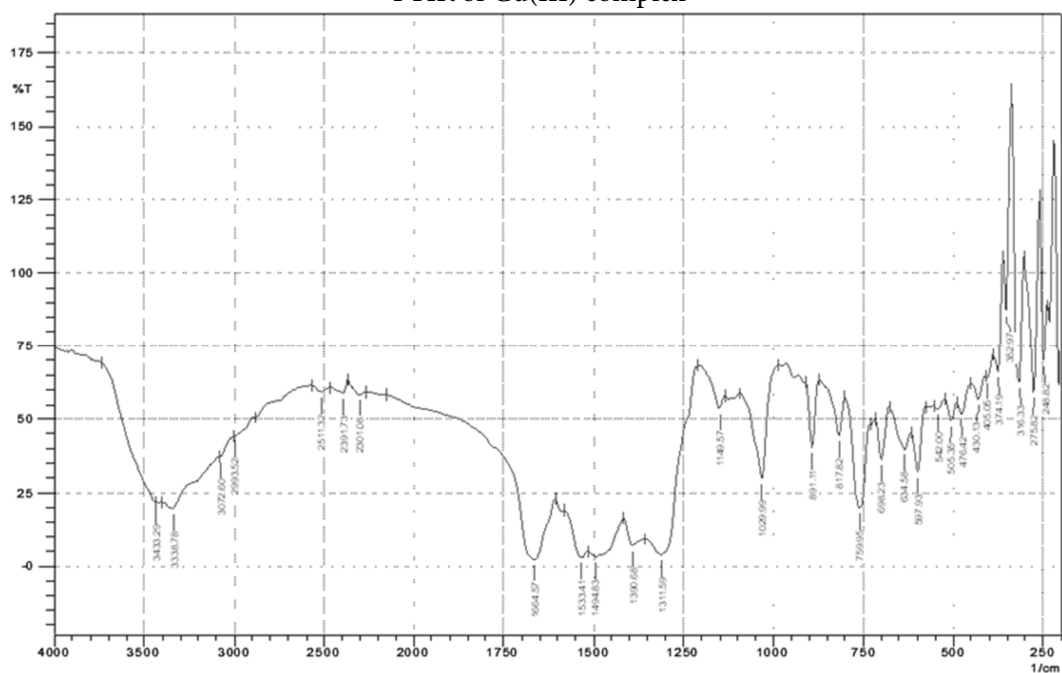
FTIR of Nd(III) complex



FTIR of Er(III) complex



FTIR of Gd(III) complex



FTIR of Dy(III) complex

Fig S4. FTIR spectra of ligand and Ln(III) metal complexes

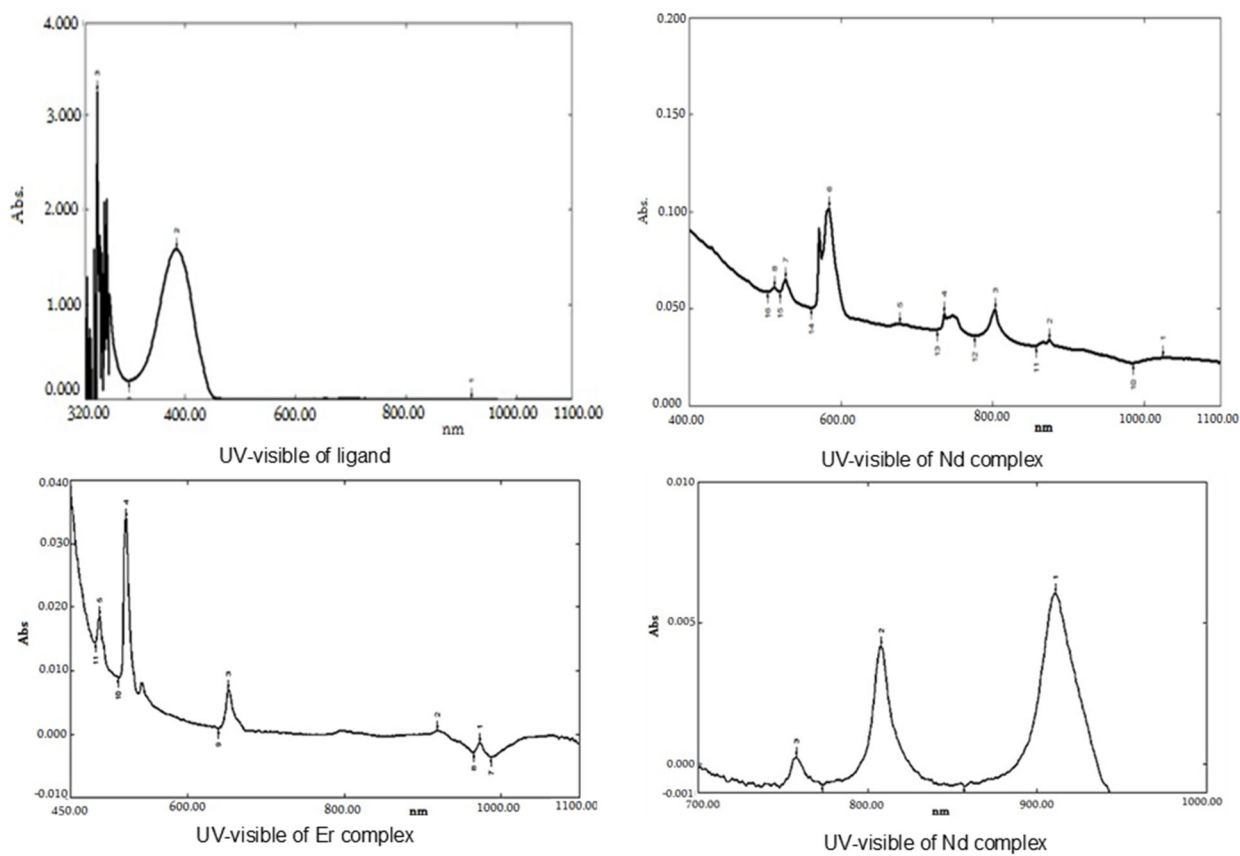


Fig S5. UV-vis of ligand and Ln(III) metal complexes

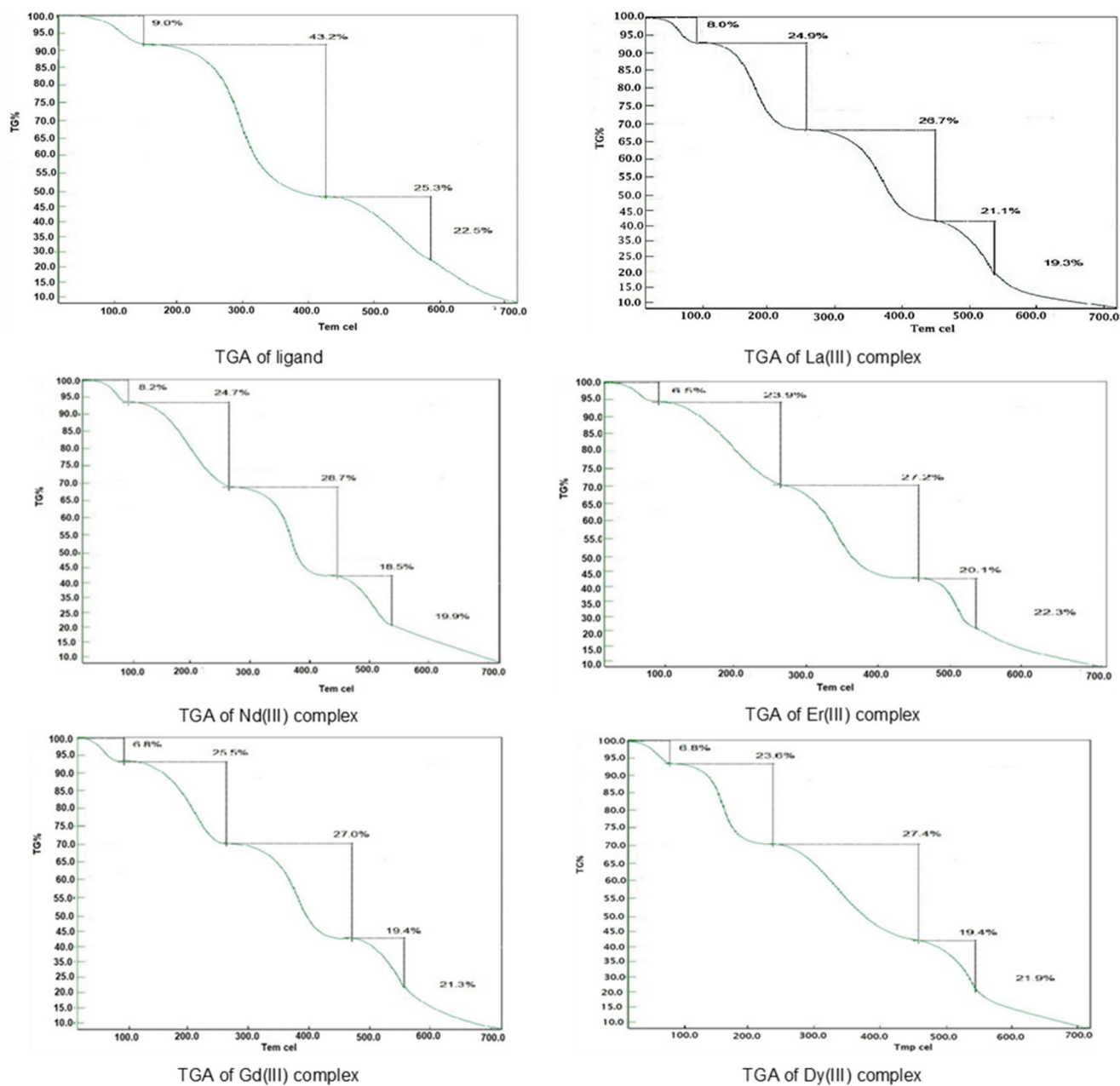


Fig S6. TGA of ligand and Ln(III) metal complexes

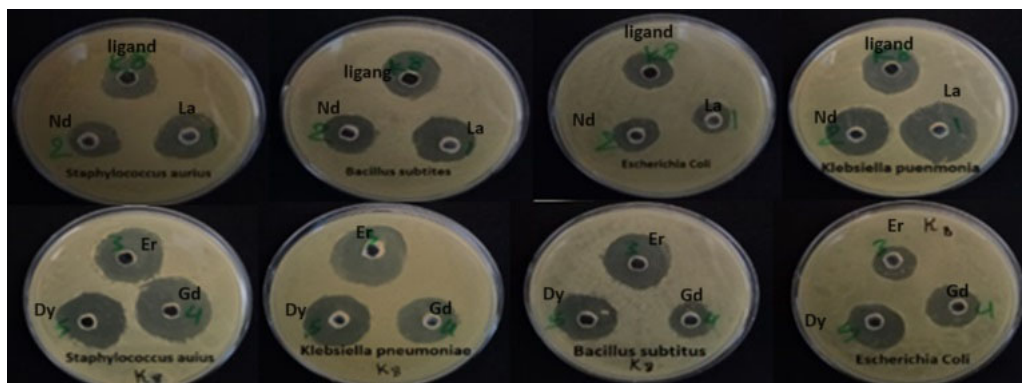


Fig S7. Pathogenic bacteria of ligand and Ln(III) metal complexes

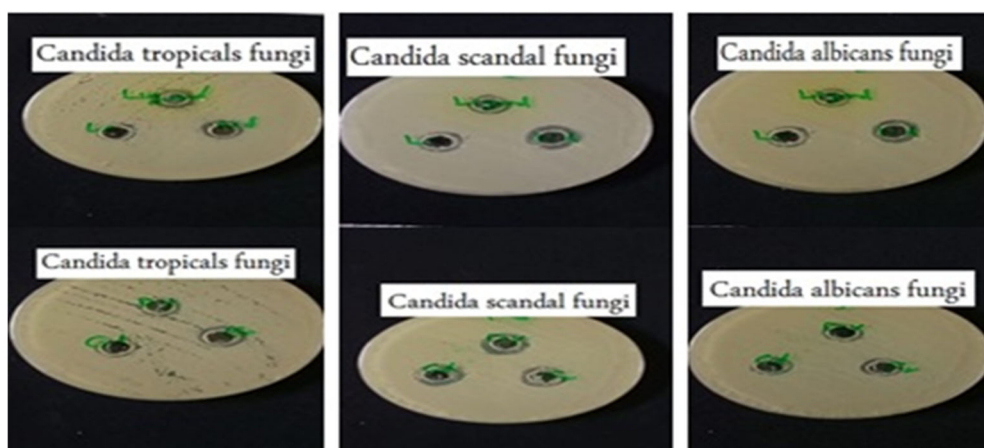


Fig S8. Antifungal activity of ligand and Ln(III) metal complexes