

Supplementary Data

This supplementary data is a part of a paper entitled “Synthesis and Biological Activity Study of Co and Cr Complexes with α -(2-Salsayl)-*N*-phenyl Nitron and Oxide Nanoparticles”.

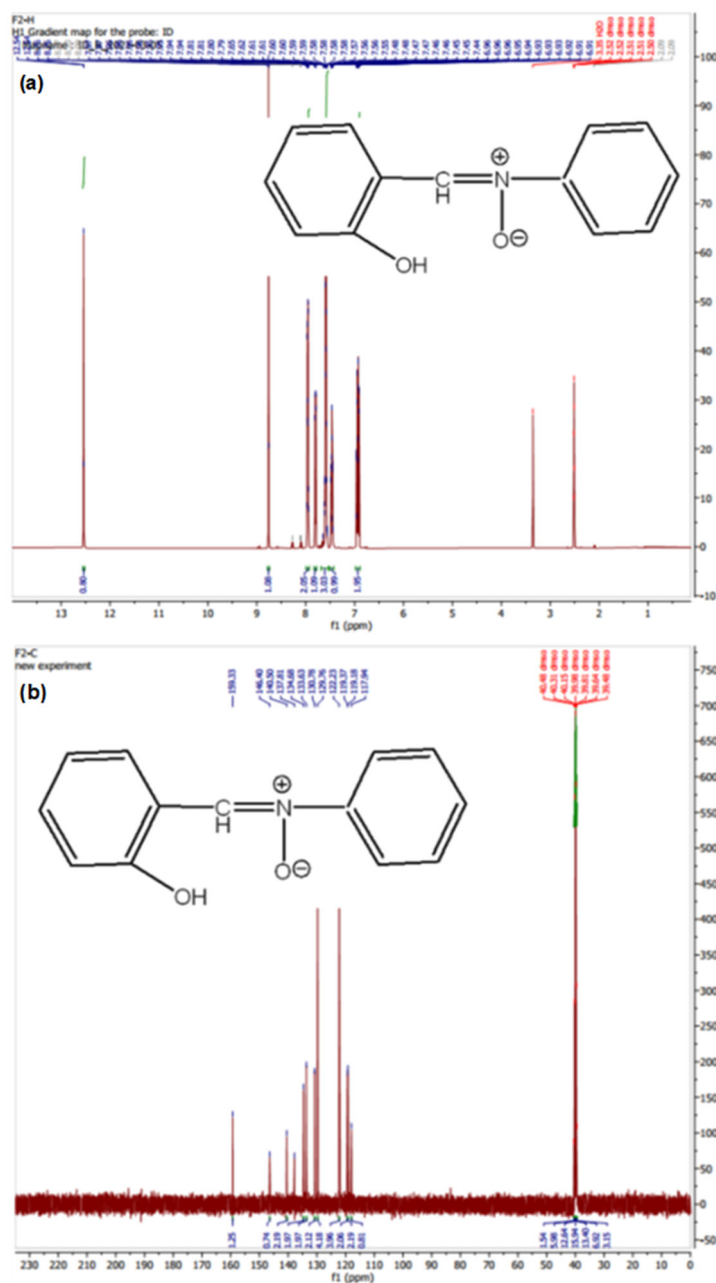


Fig S1. (a) $^1\text{H-NMR}$ spectra of α -(2-Salsayl)-*N*-phenyl Nitron (L), (b) $^{13}\text{C-NMR}$ spectra of α -(2-Salsayl)-*N*-phenyl Nitron (L)

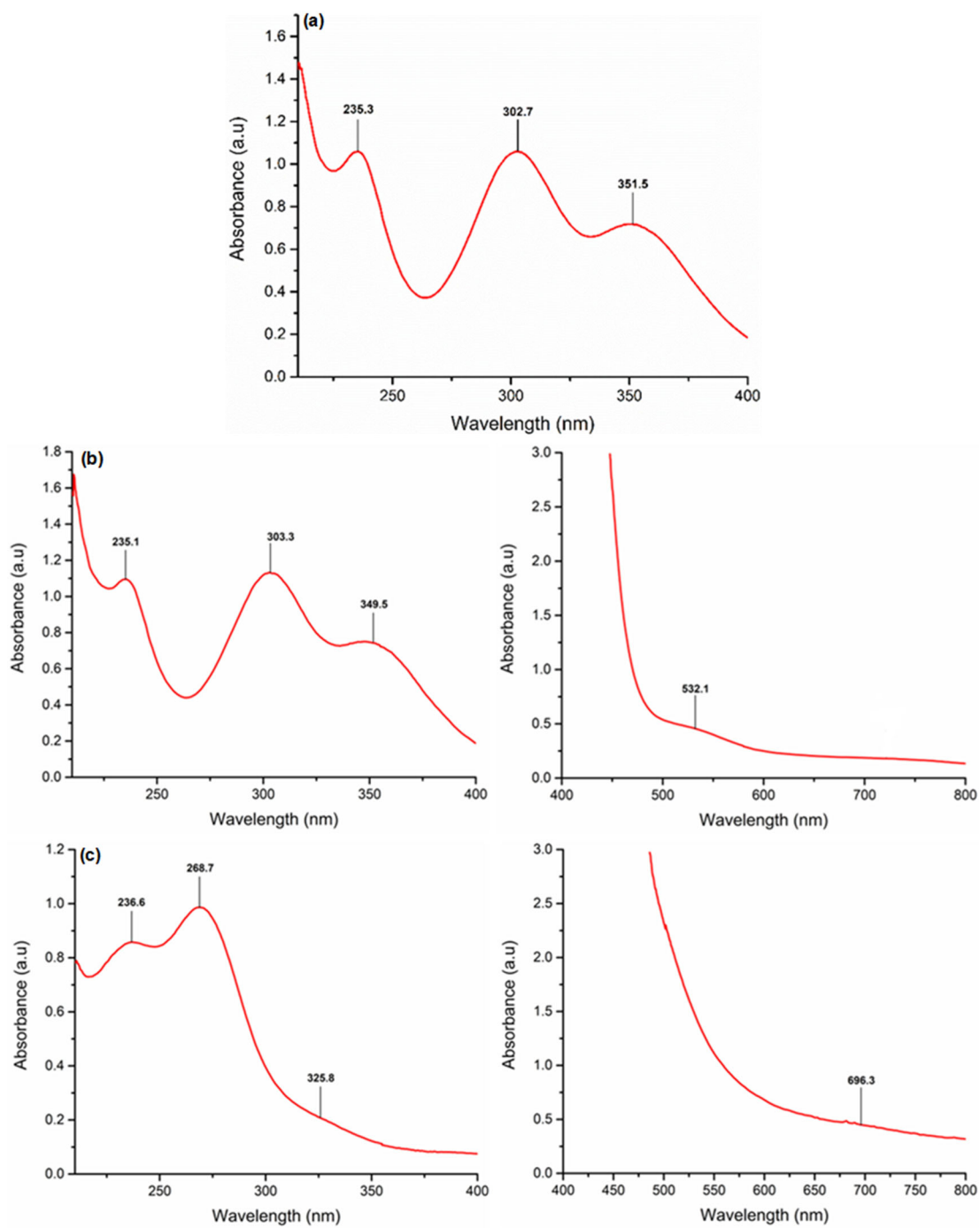


Fig S2. UV-Vis spectra of (a) L, (b) Complex 1, and (c) Complex 2

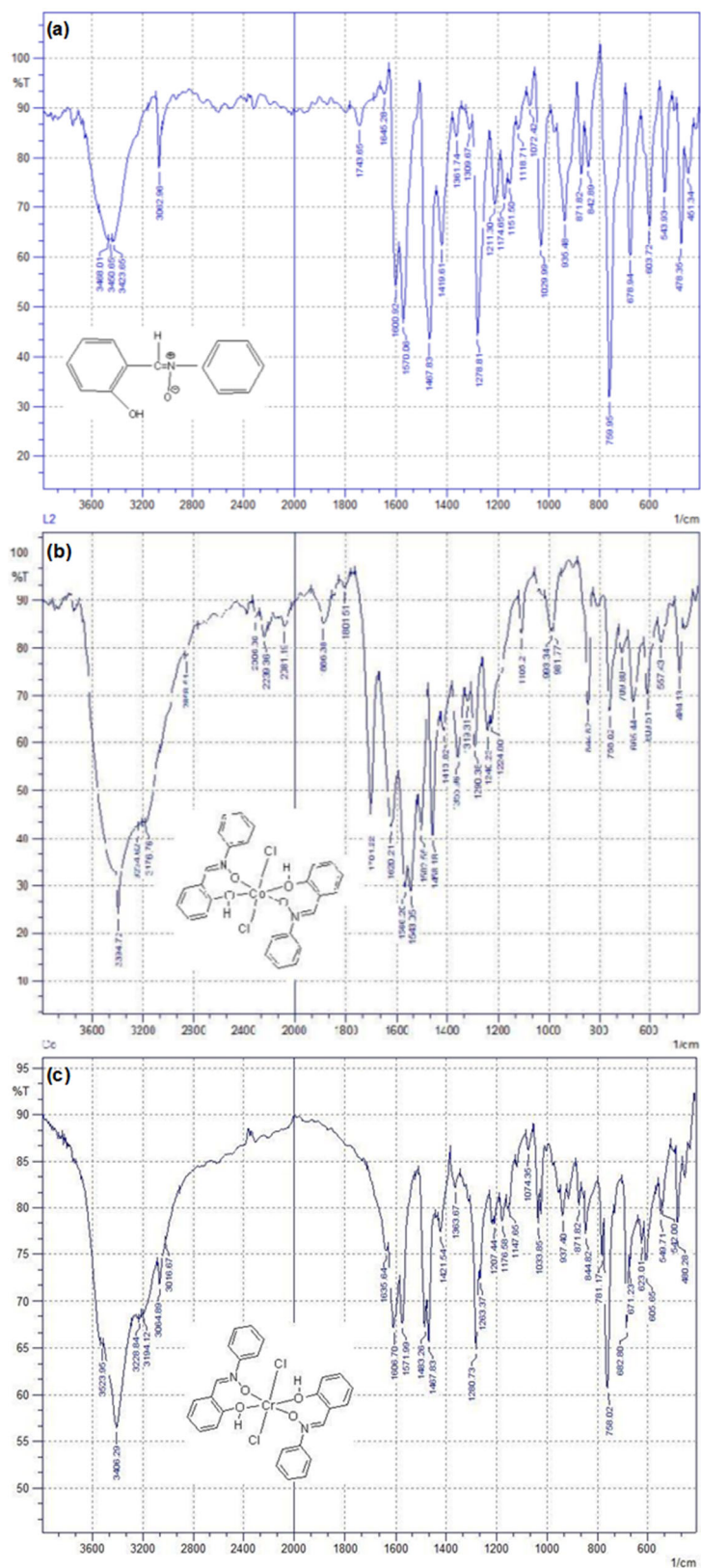


Fig S3. Infrared spectrum of (a) L, (b) Complex 1, and (c) Complex 2

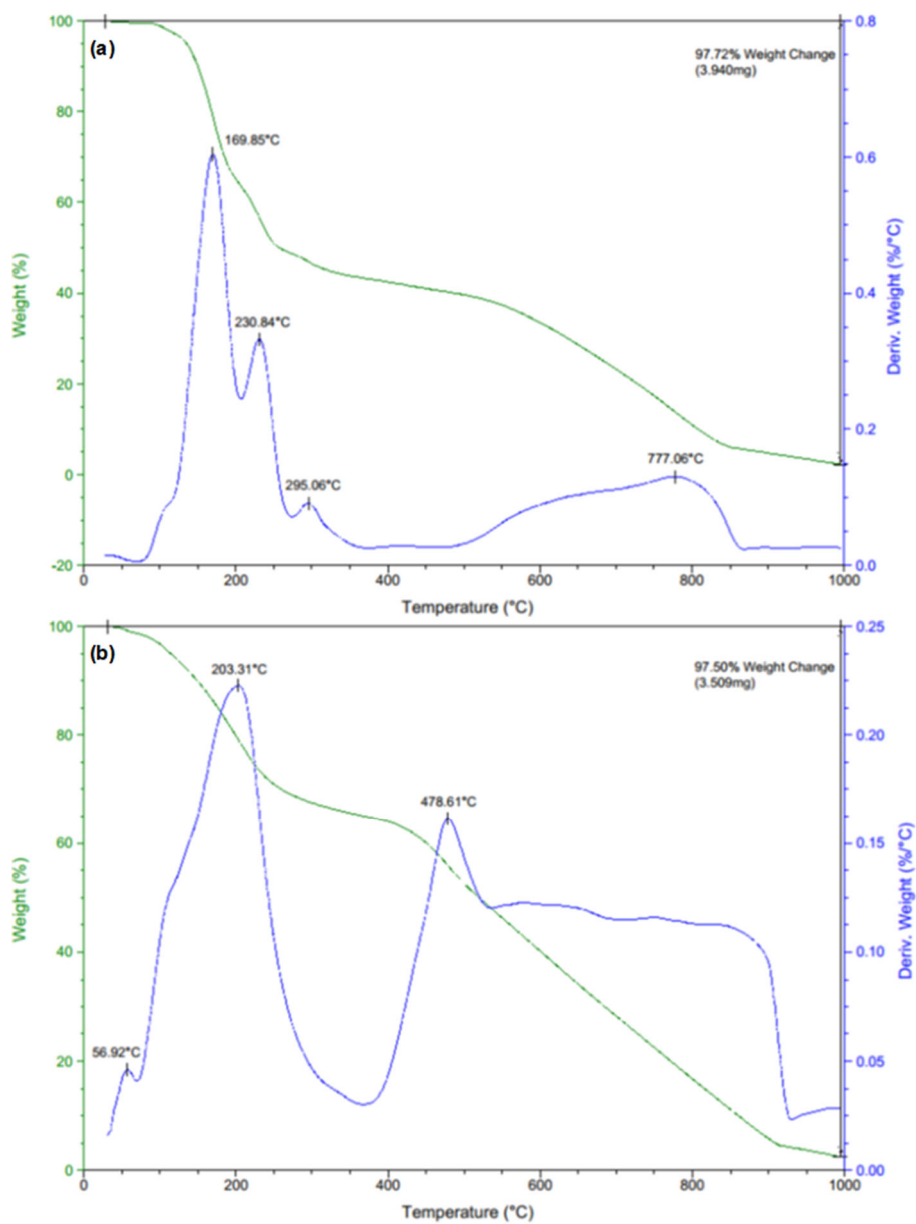


Fig S4. TGA/DTG of (a) Complex 1 and (b) Complex 2

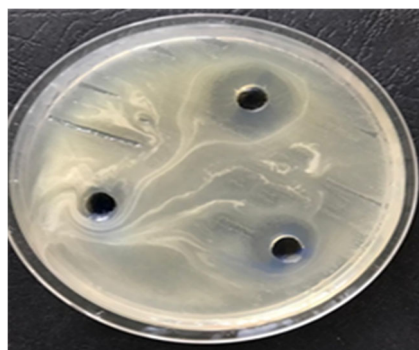


Fig S5. Antibacterial activity of 100 $\mu\text{g}/\text{mL}$ concentration of L on *E. coli*

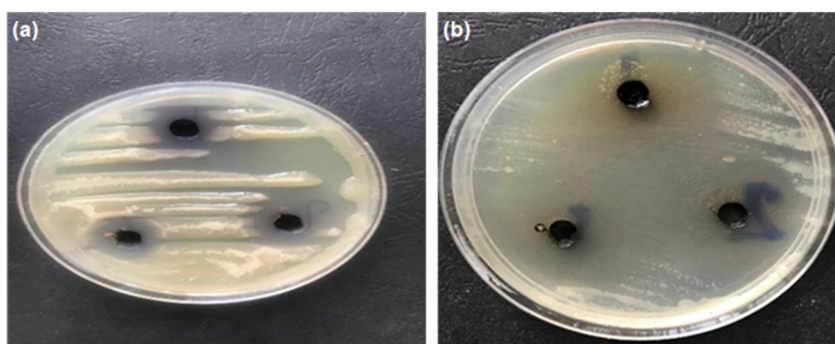


Fig S6. Antibacterial activity of 100 $\mu\text{g}/\text{mL}$ concentration of (a) Co(III) and (b) Cr(III) complexes on *E. coli*

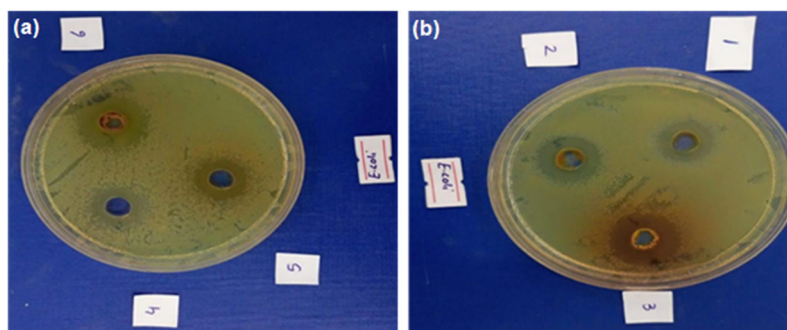


Fig S7. Antibacterial activity of 100 $\mu\text{g}/\text{mL}$ concentration of (a) Co(III) and (b) Cr(III) complexes by sonochemical on *E. coli*

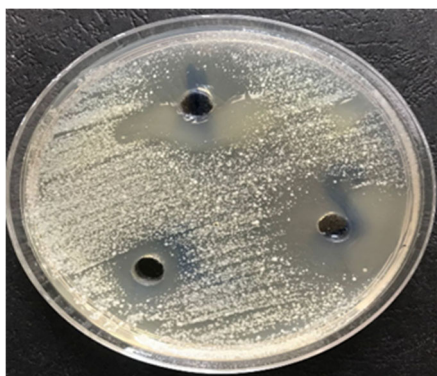


Fig S8. Antibacterial activity of 100 $\mu\text{g}/\text{mL}$ concentration of **L** on *S. epidermis*

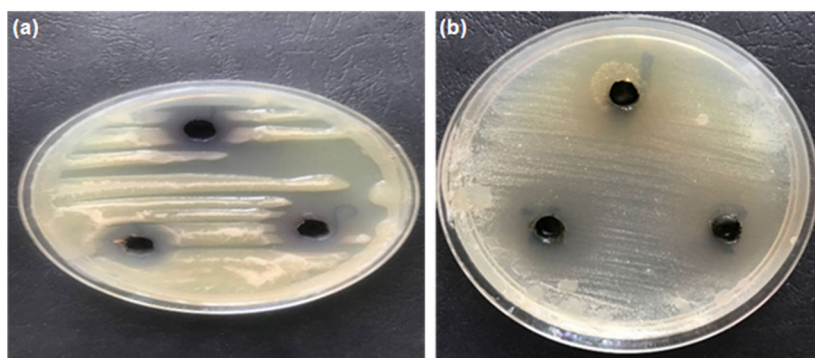


Fig S9. Antibacterial activity of 100 $\mu\text{g}/\text{mL}$ concentration of (a) Co(III) and (b) Cr(III) complexes on *S. epidermis*

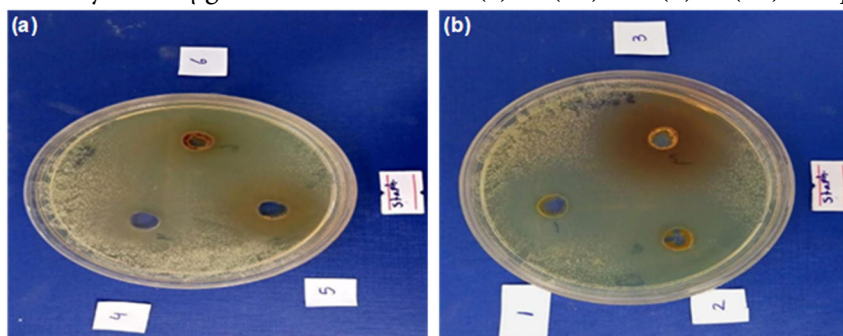


Fig S10. Antibacterial activity of 100 $\mu\text{g}/\text{mL}$ concentration of (a) Co(III) and (b) Cr(III) complexes by sonochemical on *S. epidermis*