## **Supplementary Data**

This supplementary data is a part of a paper entitled "Microwave-Assisted, Preparation, Characterization, and Biological Activities of Schiff Bases Derived from 4-Aminoantipyrine with Acetonylacetone for Some New Rare-Earth Metals".

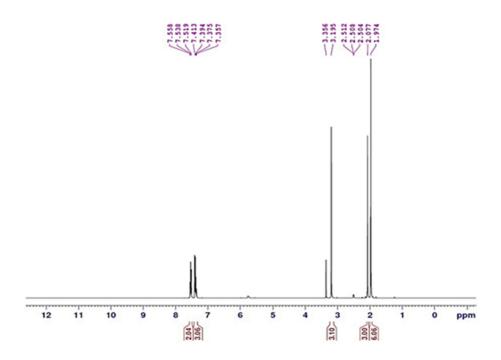
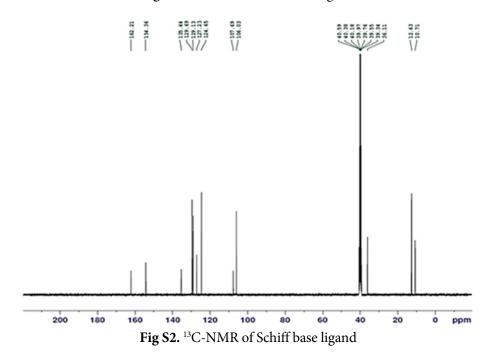
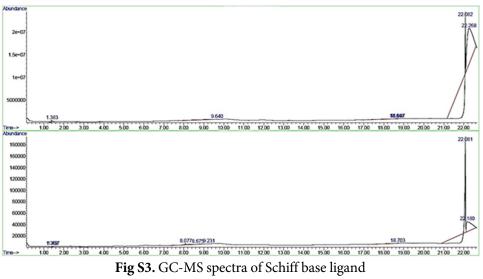
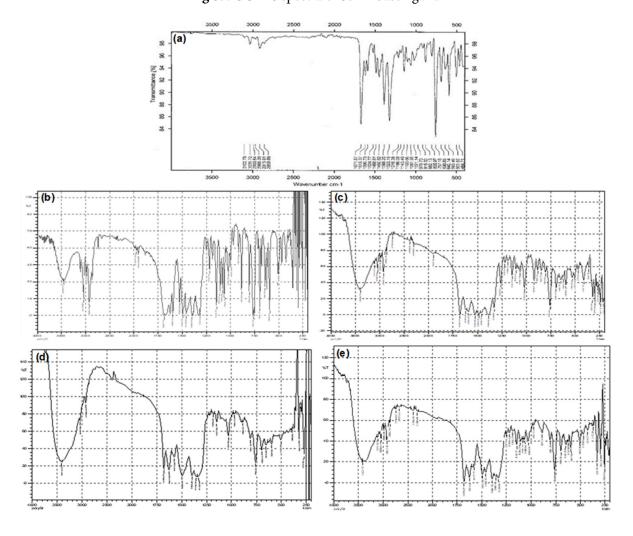


Fig S1. <sup>1</sup>H-NMR of Schiff base ligand







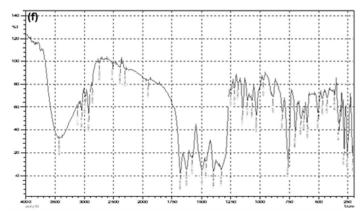


Fig S4. FTIR spectra of (a) azomethine ligand and complexed with (b) La<sup>3+</sup>, (c) Nd<sup>3+</sup>, (d) Er<sup>3+</sup>, (e) Gd<sup>3+</sup>, and (f) Dy<sup>3+</sup> ions

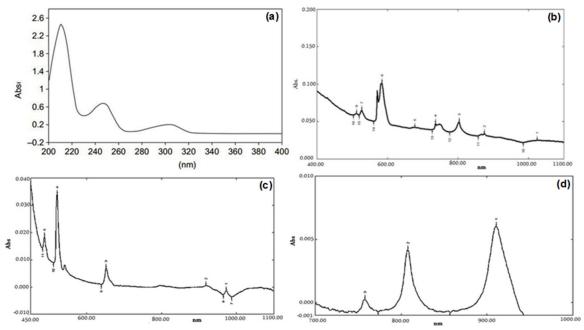
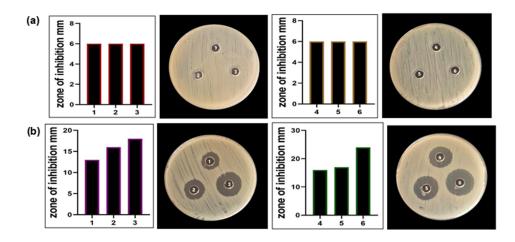
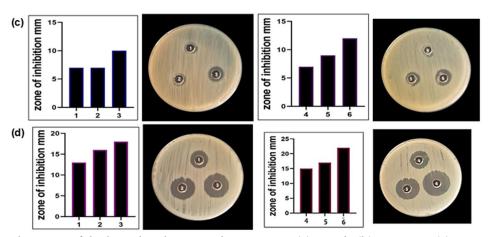


Fig S5. UV-vis spectra of (a) Schiff base ligand and its complexes with (b)  $Nd^{3+}$ , (c)  $Er^{3+}$ , and (d)  $Dy^{3+}$ 





**Fig S6.** Antibacterial activity of the ligand and its complexes against (a) *E. coli*, (b) *S. aureus*, (c) *K. pneumoniae*, and (d) *S. mutans*. The numbers from 1 to 6 indicate the Schiff base ligand and its complexes with La, Nd, Er, Gd, and Dy, respectively