

### Supplementary Data

This supplementary data is a part of a paper entitled "Multifunctional Coumarin-Derived Metal Complexes: Synthesis, Bio-Screening, and *In Silico* Target Evaluation".

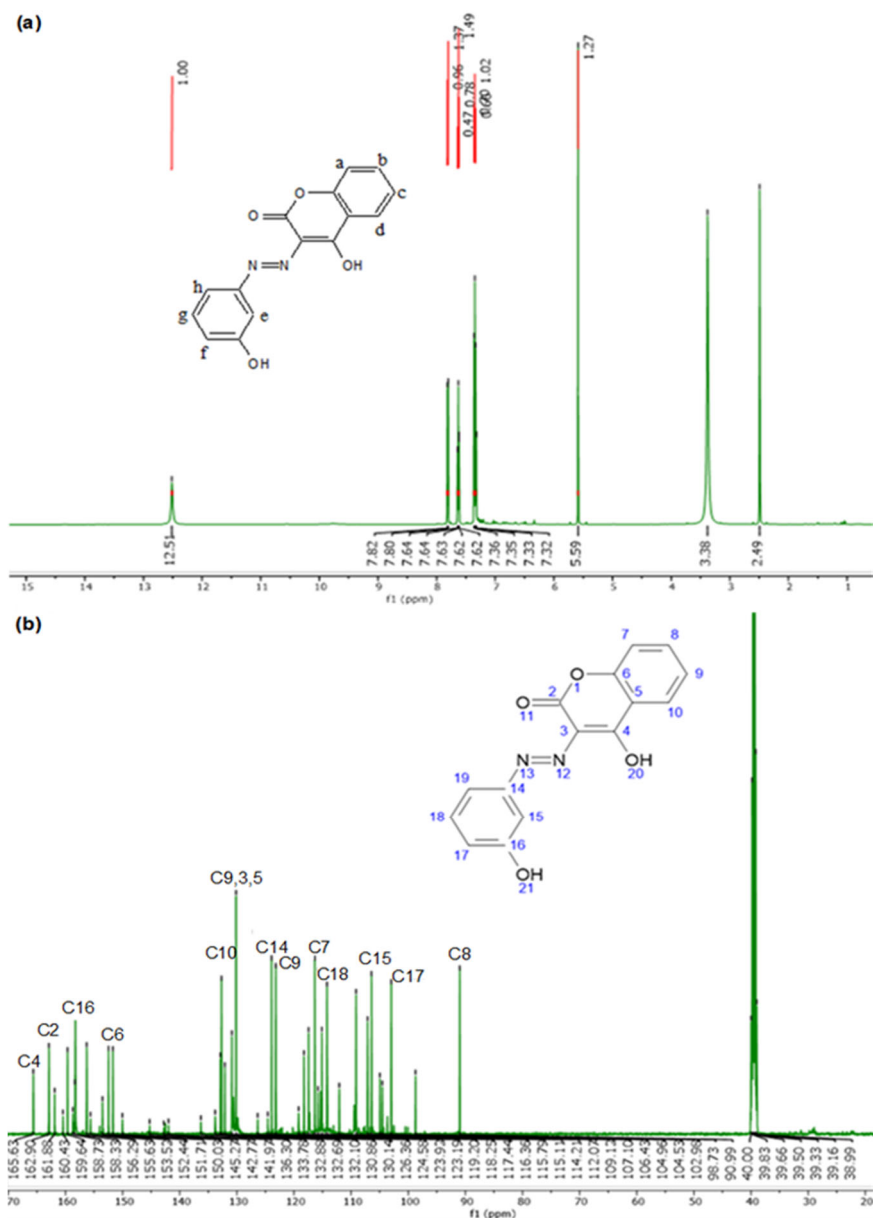


Fig S1. (a)  $^1\text{H}$ - and (b)  $^{13}\text{C}$ -NMR spectra of ZL

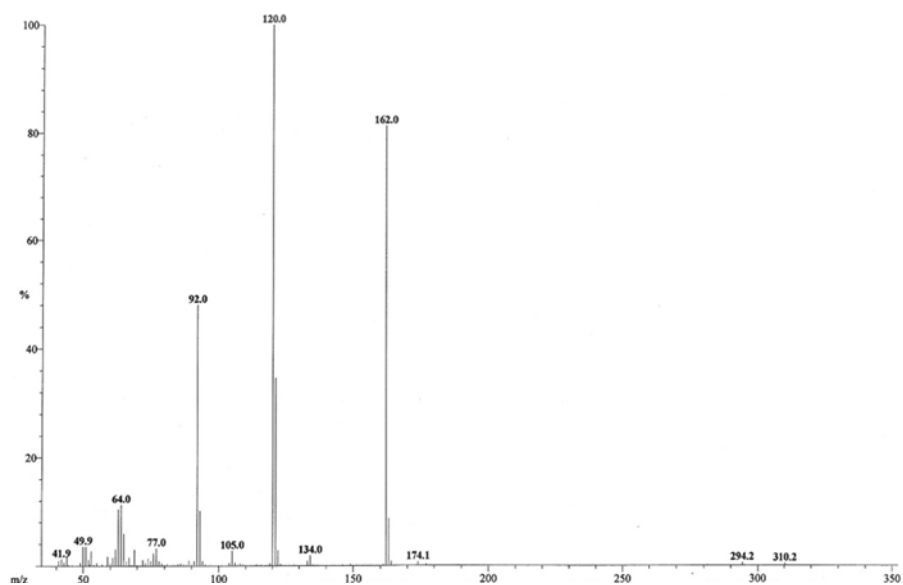


Fig S2. Mass spectrum of ZL

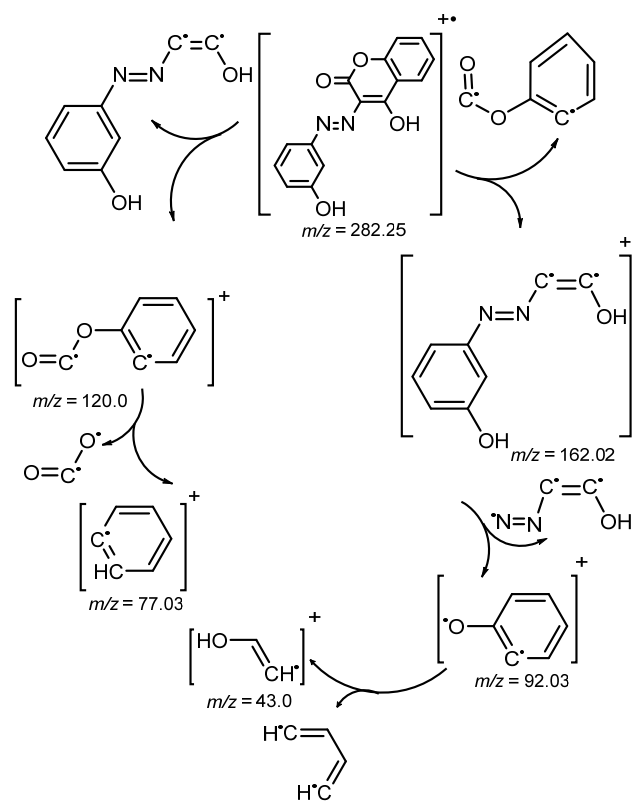
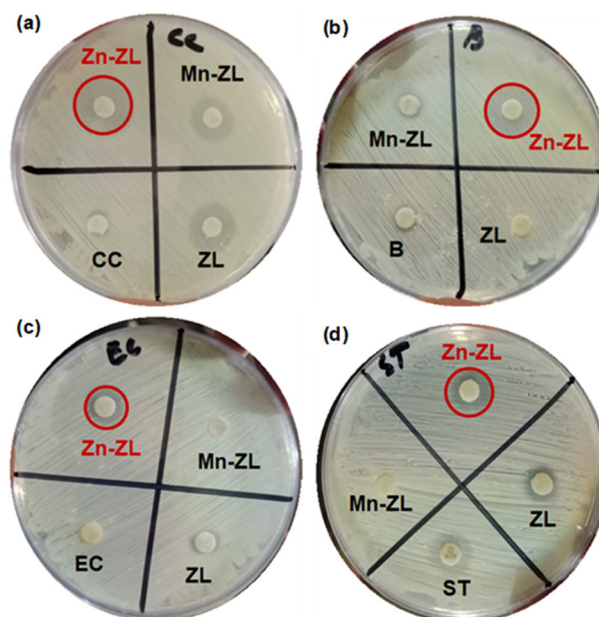
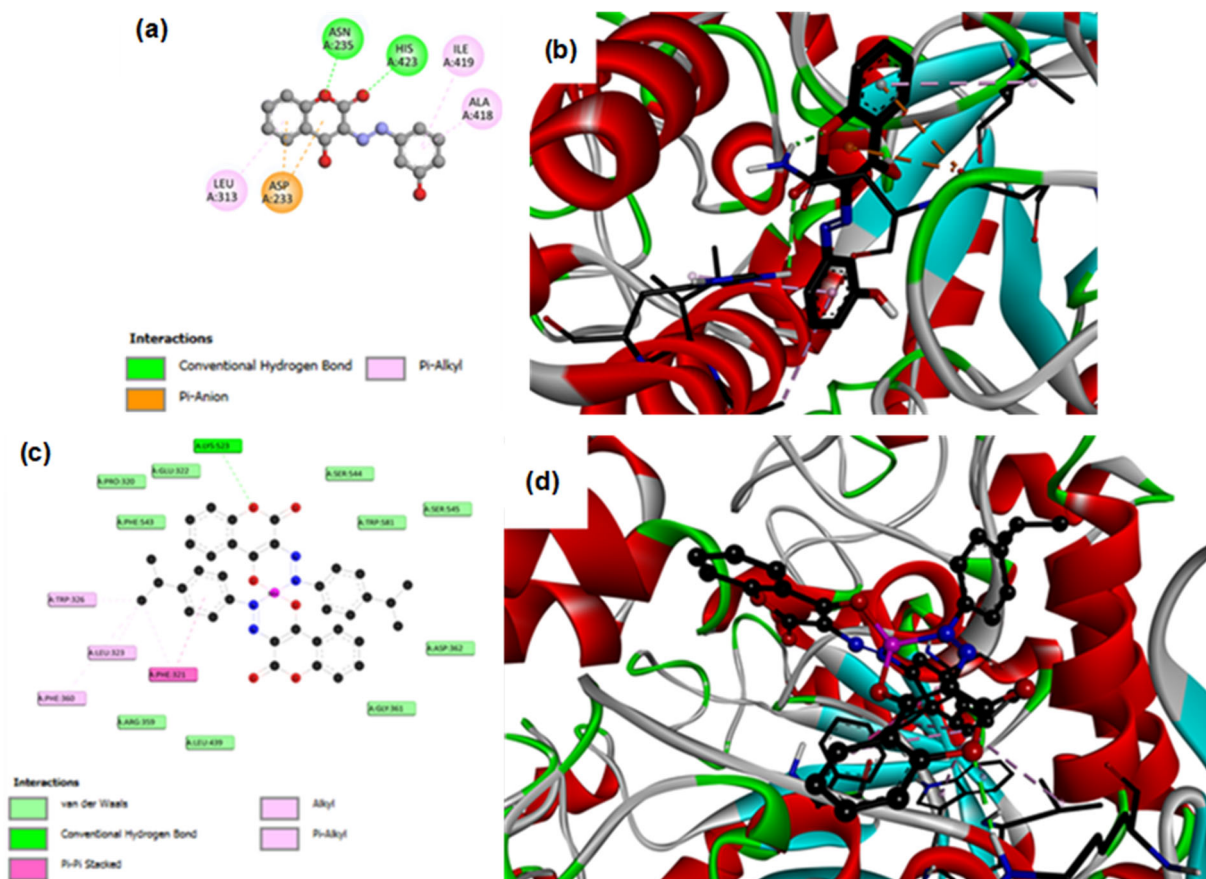


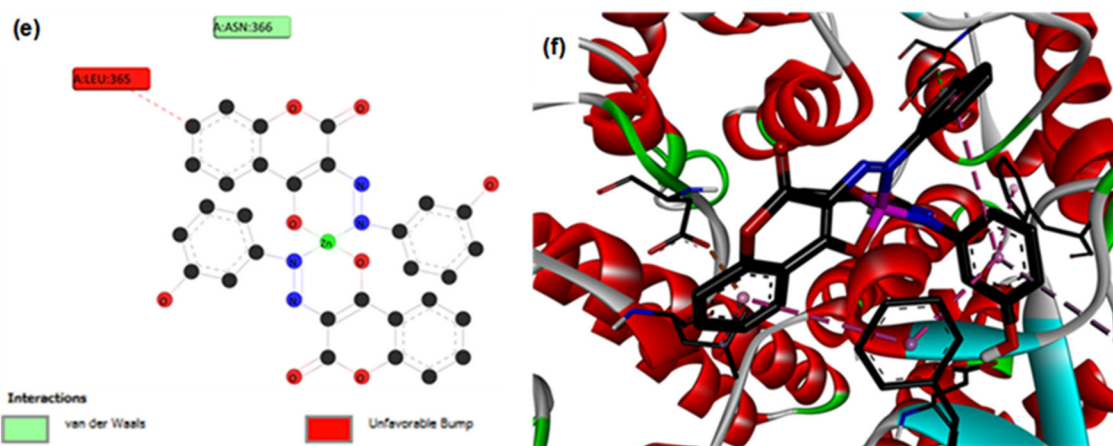
Fig S3. Mass fragmentation of ZL



**Fig S4.** Antibacterial activities of coumarin derivatives and their metal complexes against (a) *Pseudomonas*, (b) *Bacillus*, (c) *E. coli*, and (d) *S. pyogenes*







**Fig S6.** (a) 2D and (b) 3D binding modes of ZL; (c) 2D and (d) 3D binding modes of Mn-ZL; and (e) 2D and (f) 3D binding modes of Zn-ZL against the oligo-1,6-glucosidase enzyme