




## SUPPLEMENTARY MATERIALS

### A Novel Mannich Based Metal II Complexes: Synthesis and Characterization of Magnetic, Conductivity and Antimicrobial Properties

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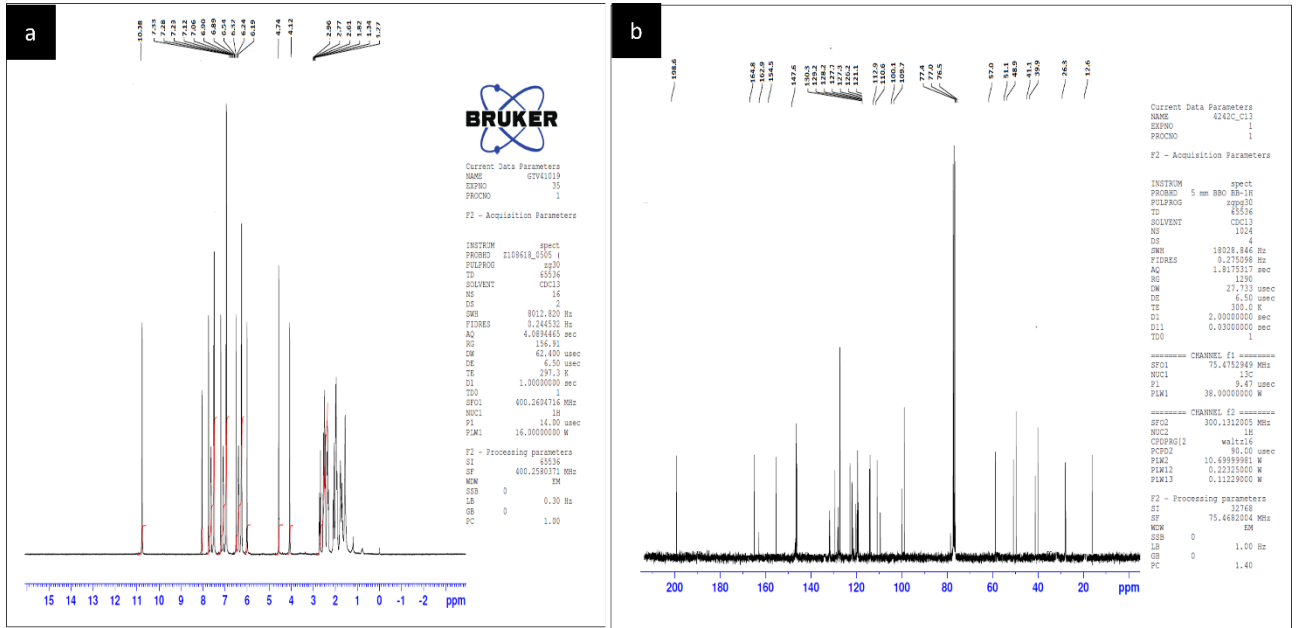
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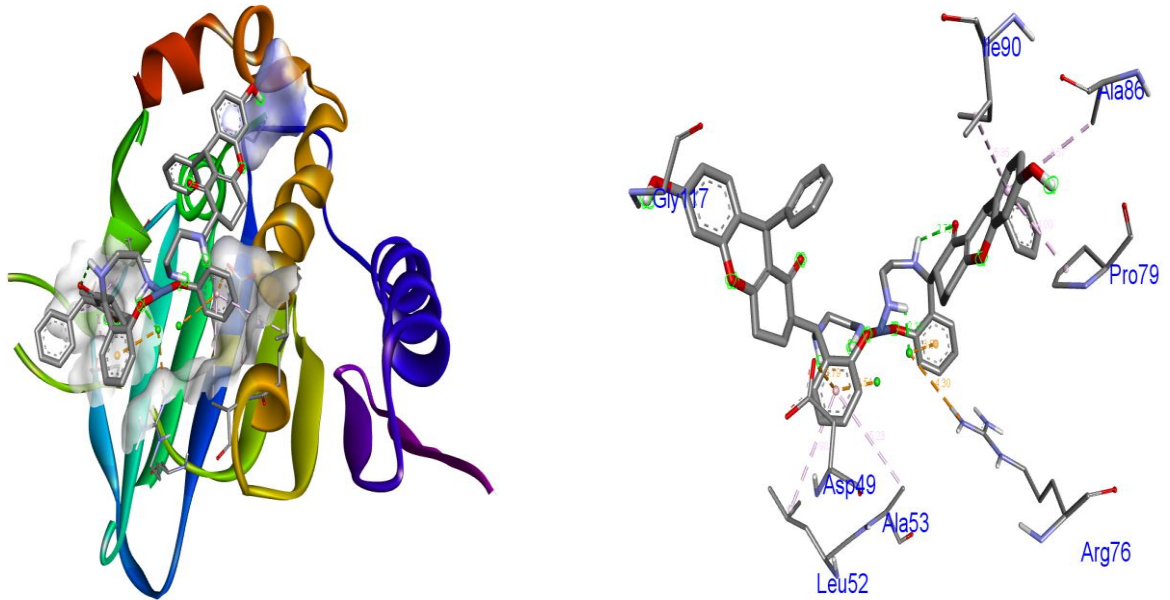
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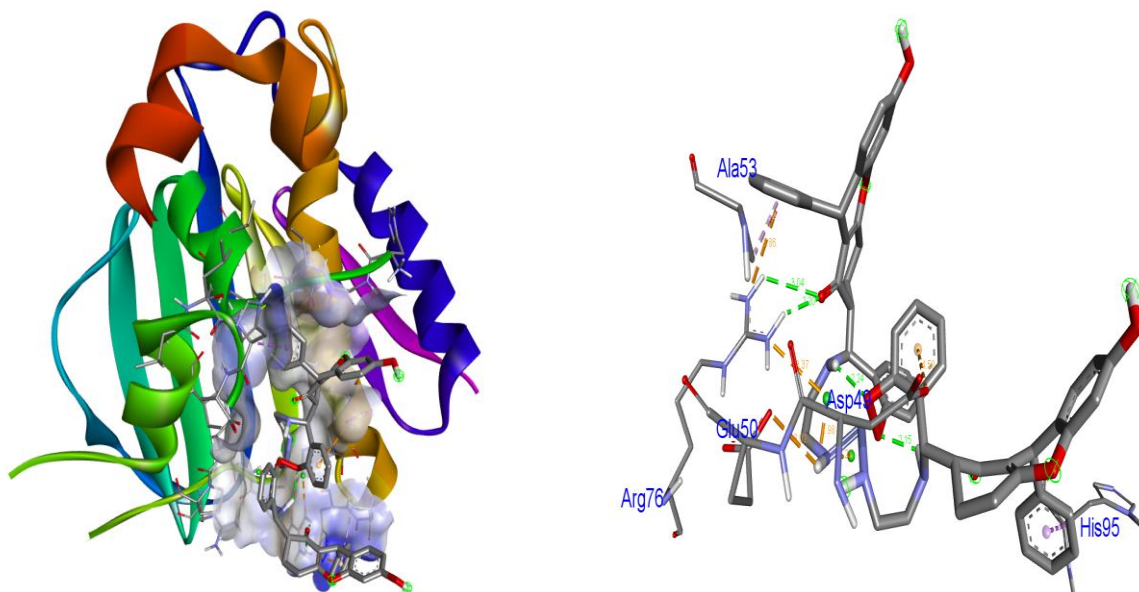
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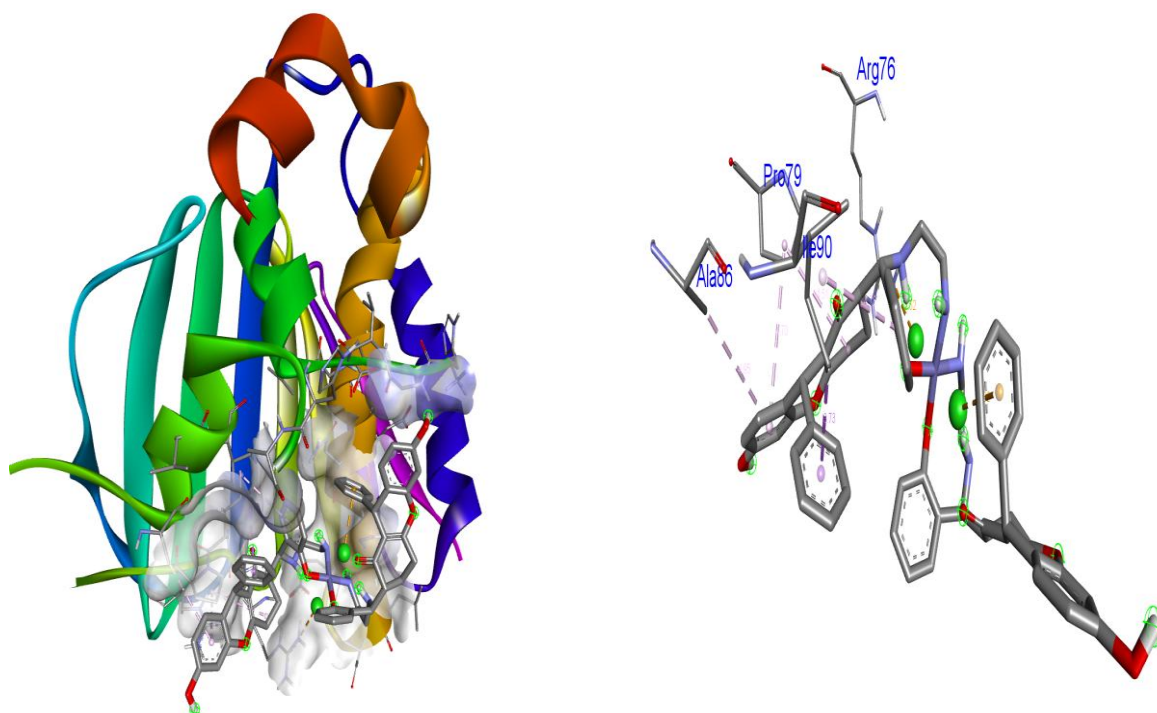
**Figure S1. a.** <sup>1</sup>H-NMR spectra of ligand (L1), **b.** <sup>13</sup>C-NMR spectra of ligand (L1)



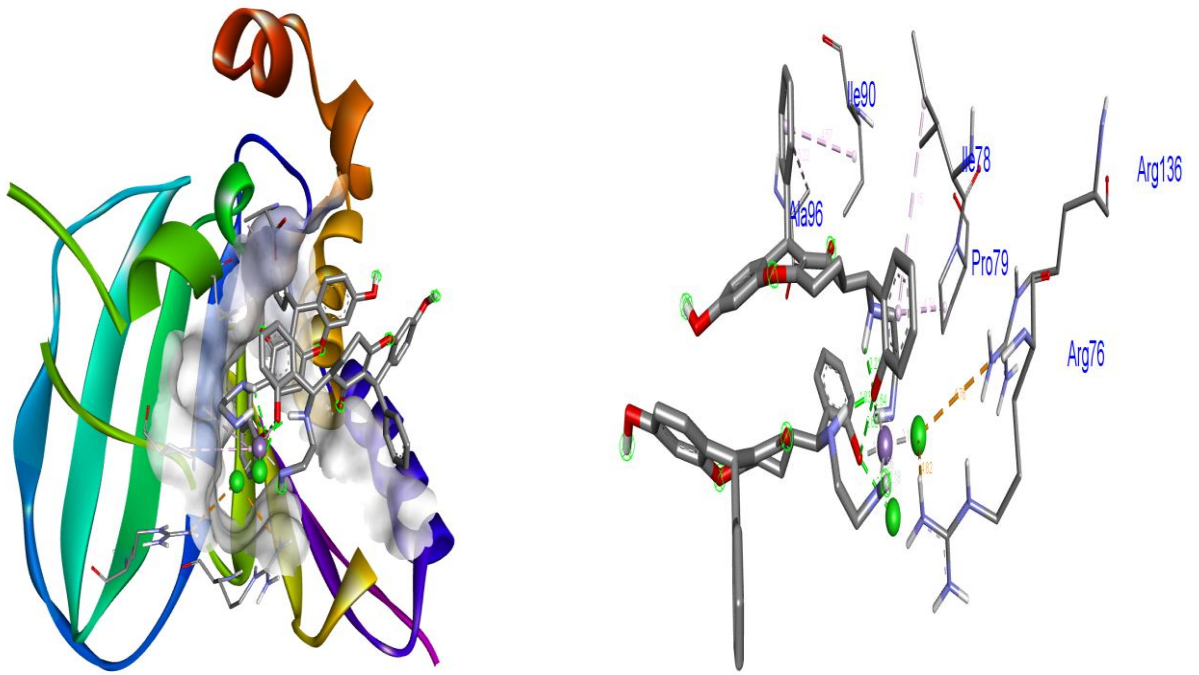
**Figure S2.** Interactions of complex 2 inside the binding cavity of 1KZN



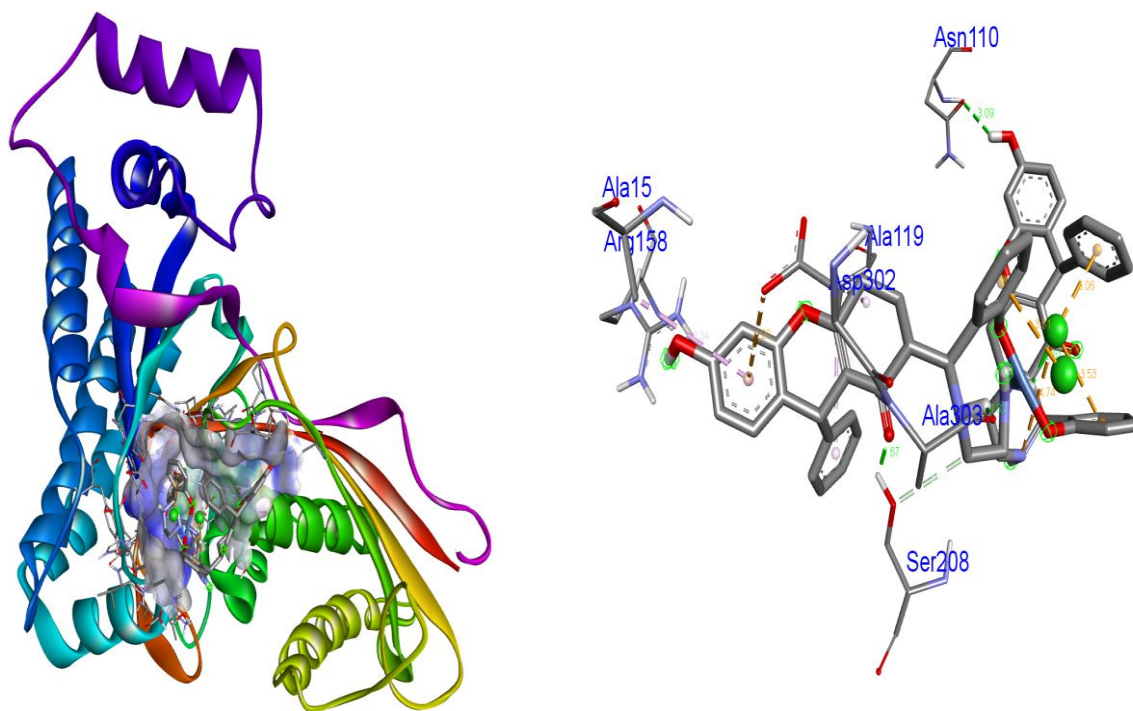
**Figure S3.** Interactions of complex 3 inside the binding cavity of 1KZN



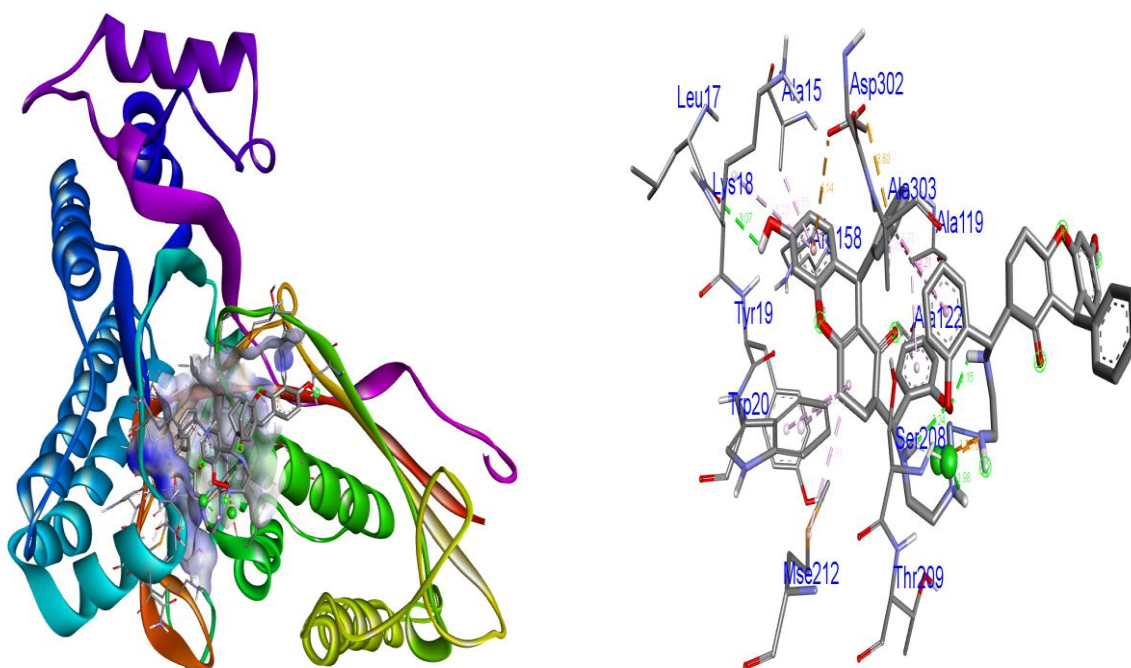
**Figure S4.** Interactions of complex 4 inside the binding cavity of 1KZN



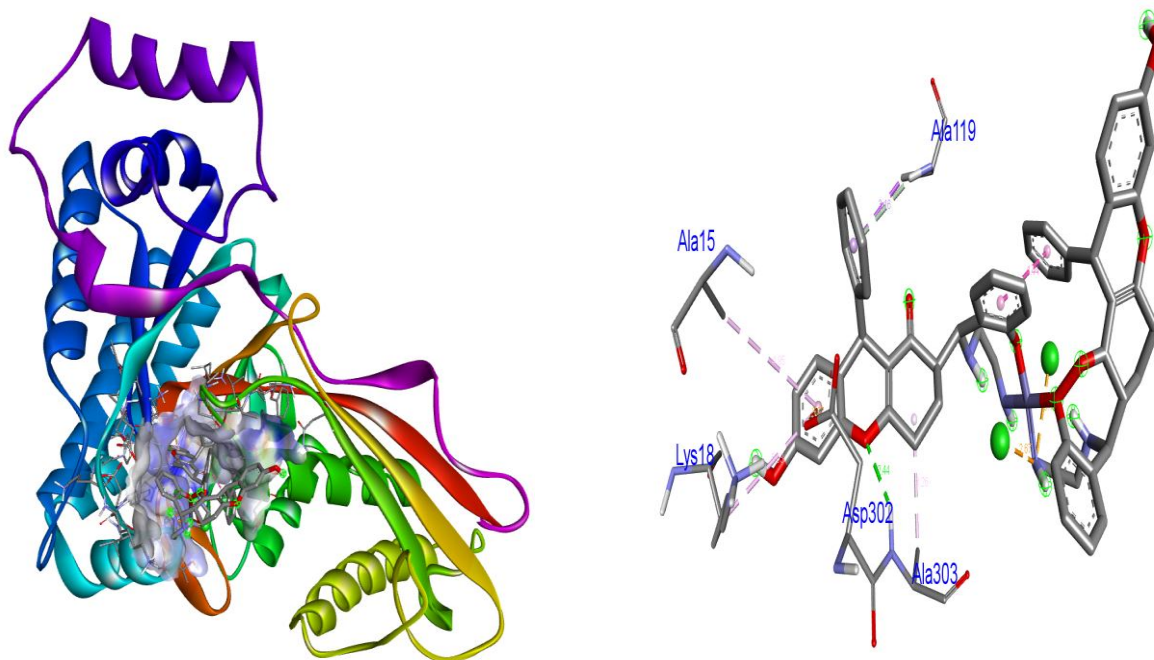
**Figure S5.** Interactions of complex **5** inside the binding cavity of 1KZN



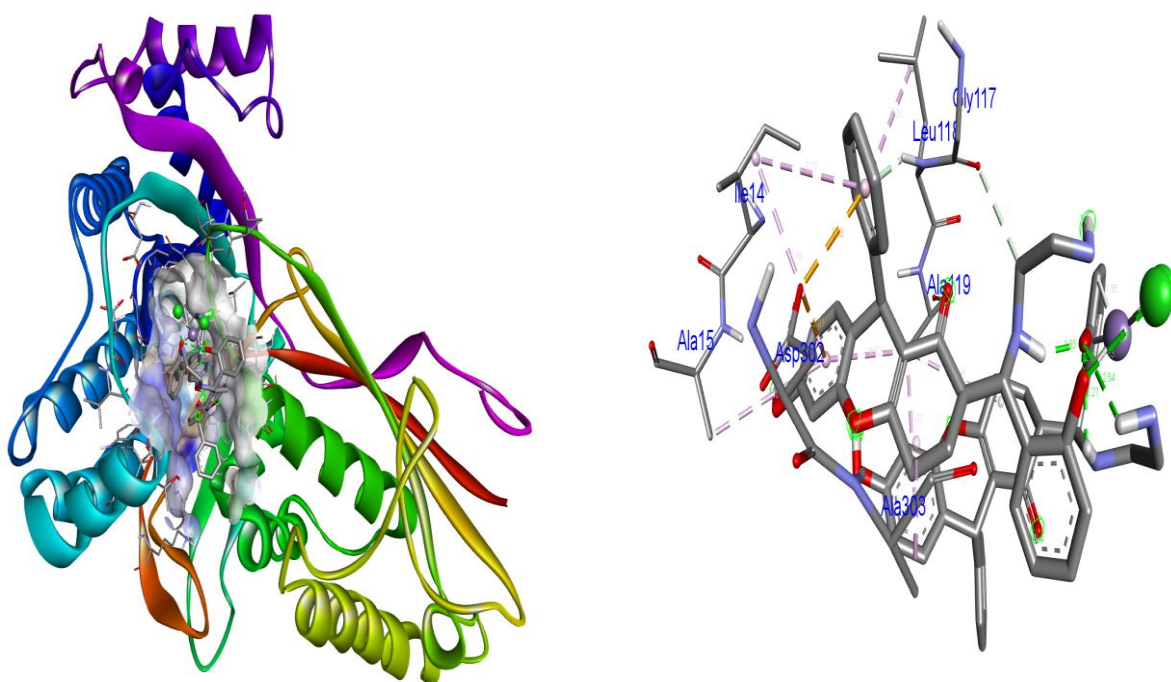
**Figure S6.** Interactions of complex **2** inside the binding cavity of 1FI4



**Figure S7.** Interactions of complex **3** inside the binding cavity of 1FI4



**Figure S8.** Interactions of complex 4 inside the binding cavity of 1FI4



**Figure S9.** Interactions of complex 5 inside the binding cavity of 1FI4