## **Supplementary Information**

## Design, Synthesis, and Biological Evaluation of Benzimidazole-derived Biocompatible Copper(II) and Zinc(II) Complexes as Anticancer Chemotherapeutics

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Figure S1. Fourier transform infrared (FT-IR) spectrum of the ligand "BnI".



Figure S2. FT-IR spectrum of the copper complex (1).



Figure S3. FT-IR spectrum of the zinc(II) complex (2).



**Figure S4.** <sup>1</sup>H NMR spectrum of the ligand.



Figure S5. <sup>1</sup>H NMR spectrum of complex 2.



Figure S6. <sup>13</sup>C NMR spectrum of the ligand.



**Figure S7.** <sup>13</sup>C NMR spectrum of complex **2**.