

### Supplementary Data

This supplementary data is a part of a paper entitled "Synthesis of Some Metal Complexes with New Heterocyclic Ligand (5-(((2-(3-(1*H*-indol-3-yl)acryloyl)phenyl)amino)methylene)-2-thioxodihydropyrimidine-4,6(1*H*,5*H*)-dione) and Their Biological Effectiveness as Antioxidant and Anti-Cancer".

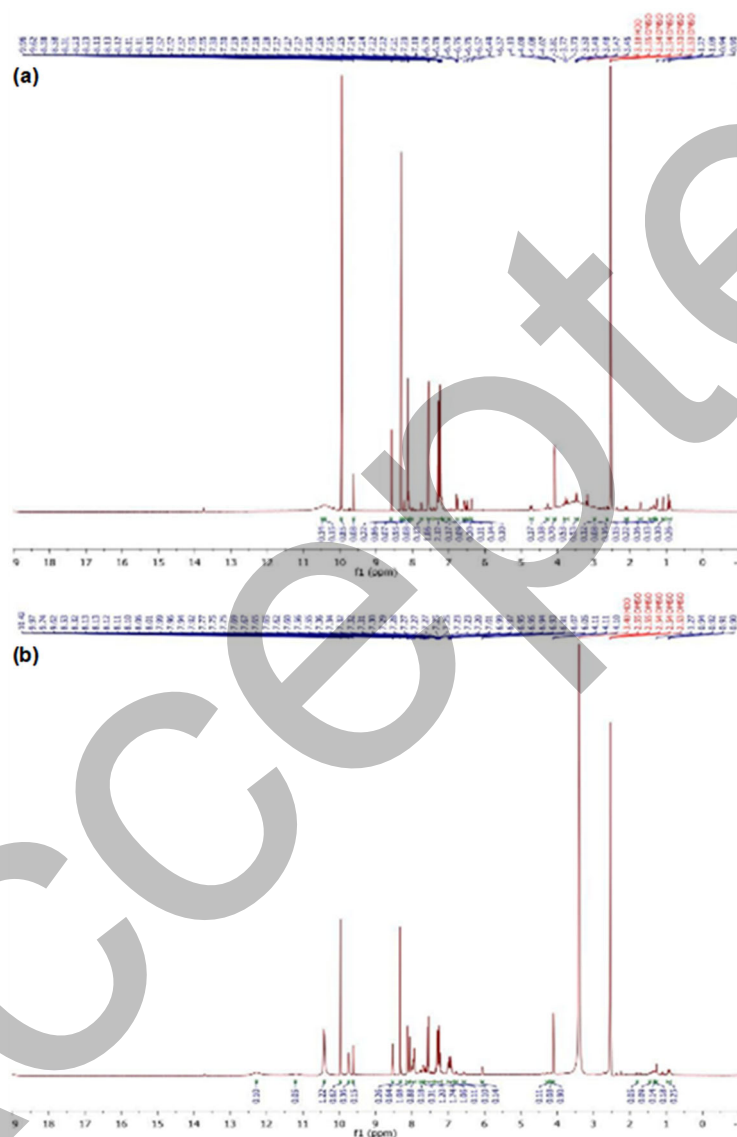
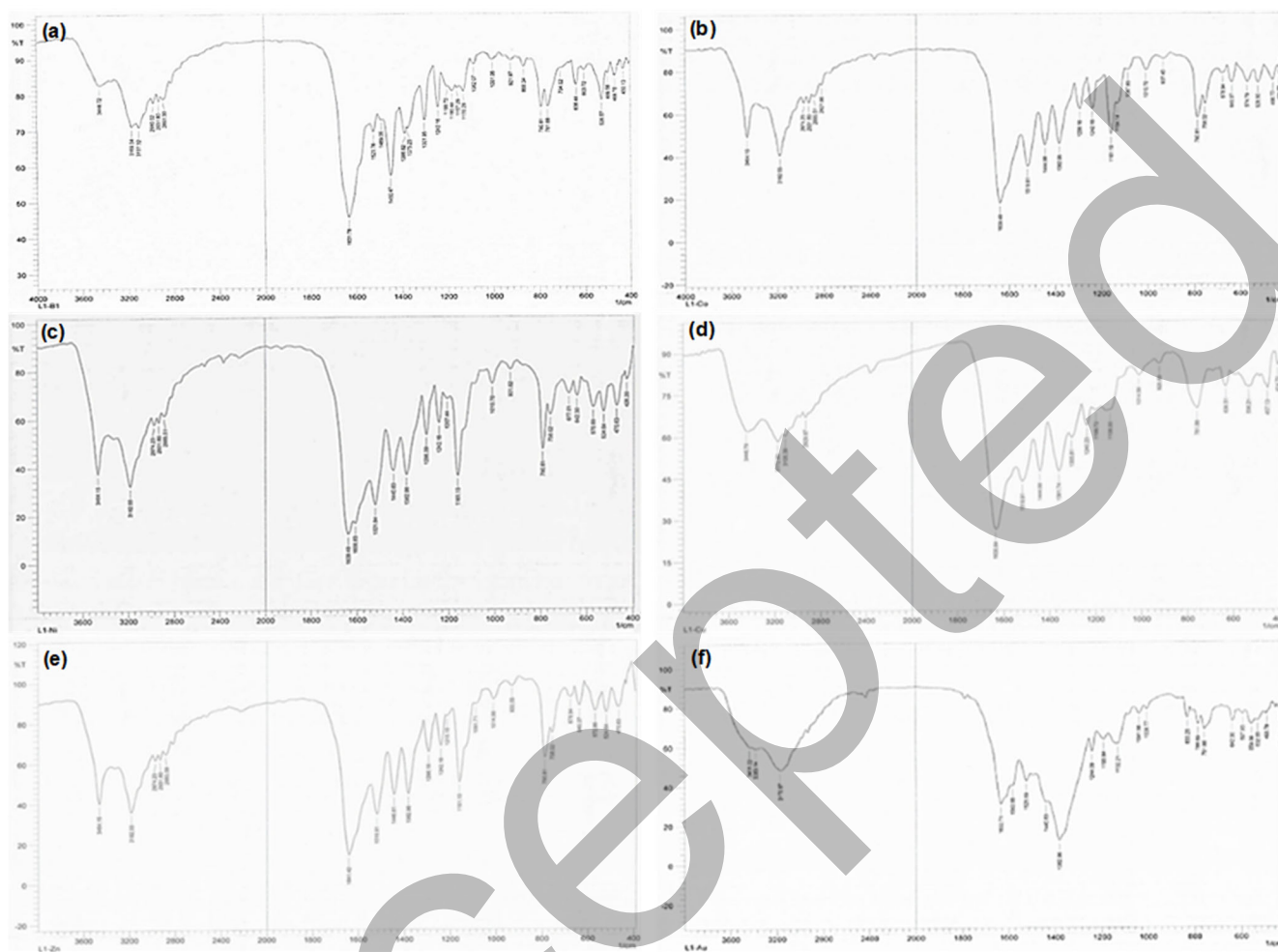


Fig S1. (a)  $^1\text{H}$ NMR spectrum of ligand ( $L_1$ ) and (b) zinc complex



**Fig S2.** (a) FTIR spectrum of ligand (L<sub>1</sub>), (b) Co(II) complex, (c) Ni(II) complex, (d) Cu(II) complex, (e) Zn(II) complex, and (f) Au(III) complex

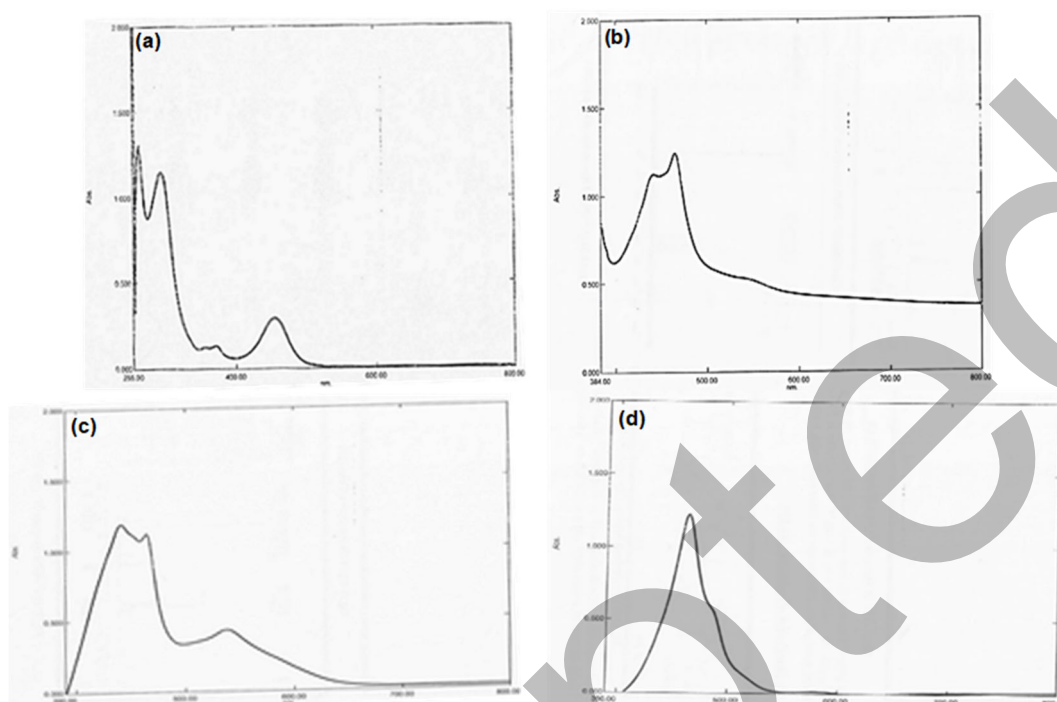


Fig S3. (a) UV-visible spectrum of ligand ( $L_1$ ), (b) Zn(II) complex, (c) Ni(II) complex and (d) Au(III) complex

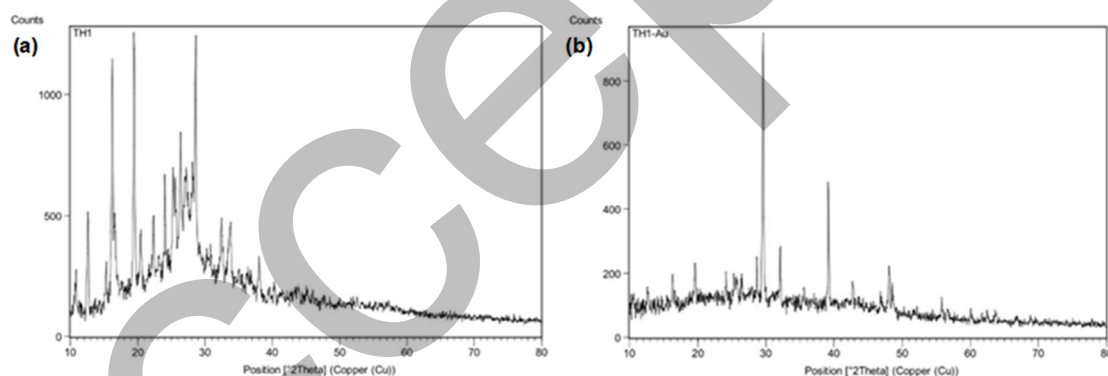


Fig S4. (a) X-ray diffraction of ligand ( $L_1$ ) and (b)  $[Au(L_1)Cl]Cl_2$  complex

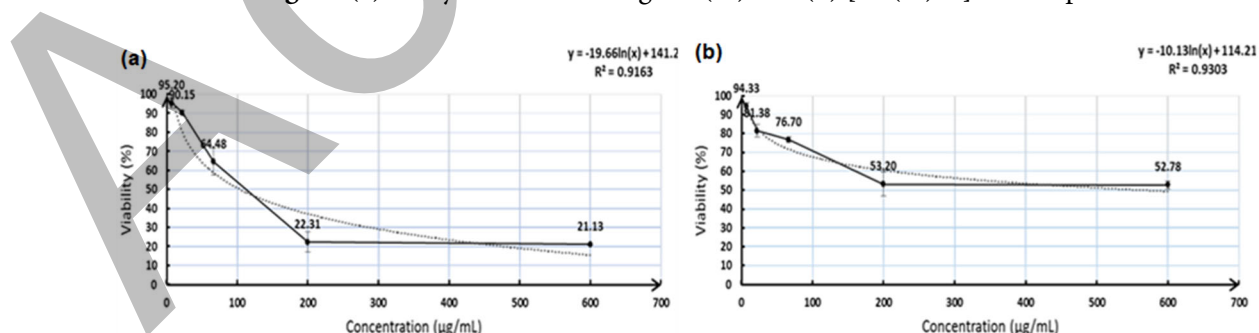


Fig S5. (a) Percentages of viability in typical breast cancer cells (a) MCF-7 and (b) MCF-10 versus concentration of the complex  $[Au(L_1)Cl]Cl_2$