

## Supplementary Data

This supplementary data is a part of a paper entitled “Synthesis of a New DPTYEAP Ligand and Its Complexes with Their Assessments on Physical Properties, Antioxidant, and Biological Potential to Treat Breast Cancer”.

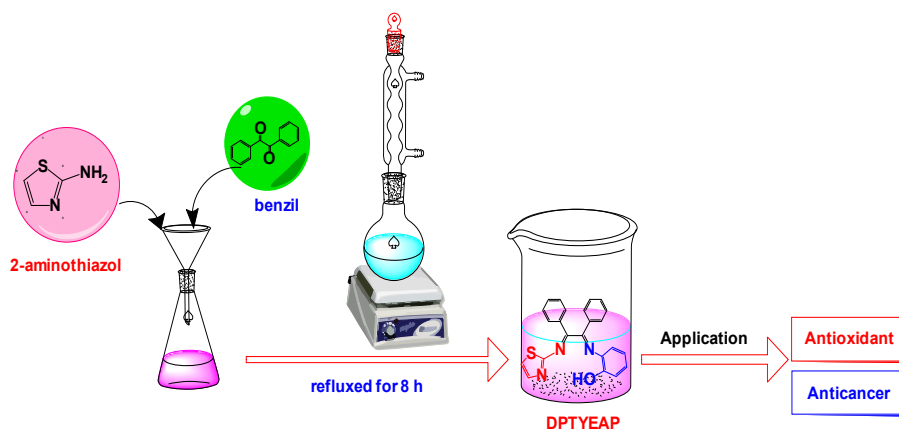


Fig S1. Graphical abstract

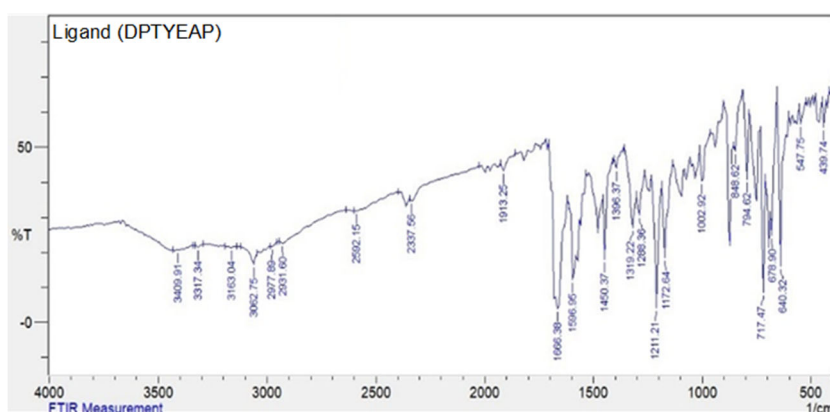


Fig S2. FTIR spectra of the synthesized ligand (DPTYEAP)

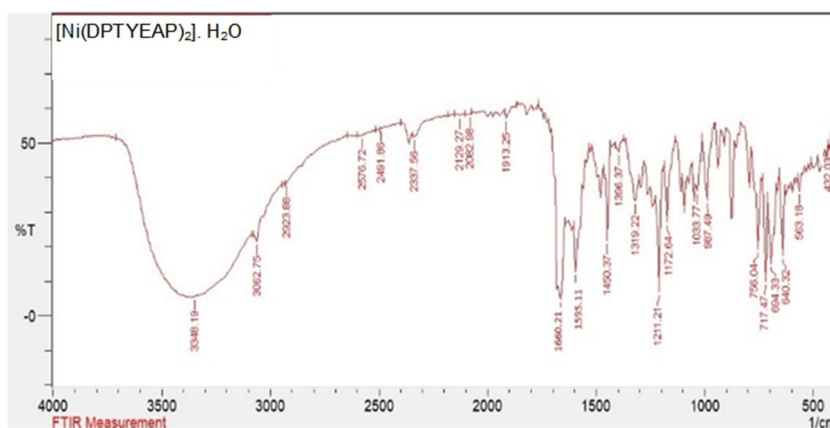


Fig S3. FTIR spectra of the Ni(II) complex

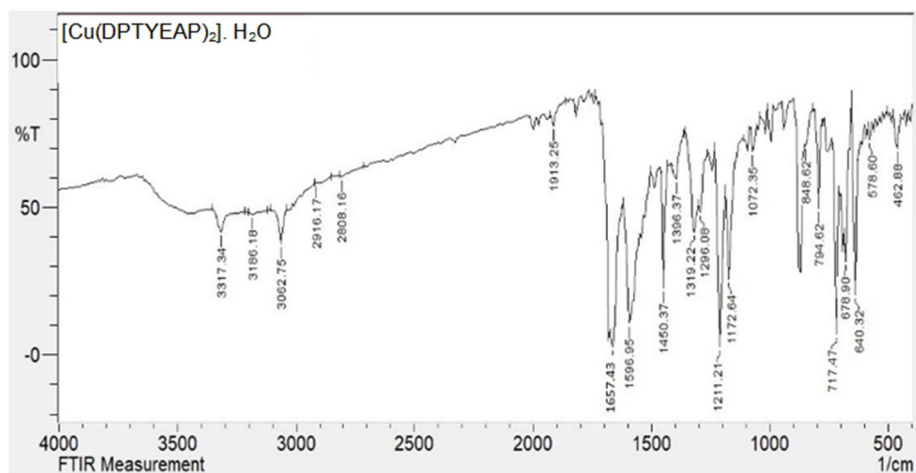


Fig S4. FTIR spectra of the Cu(II) complex

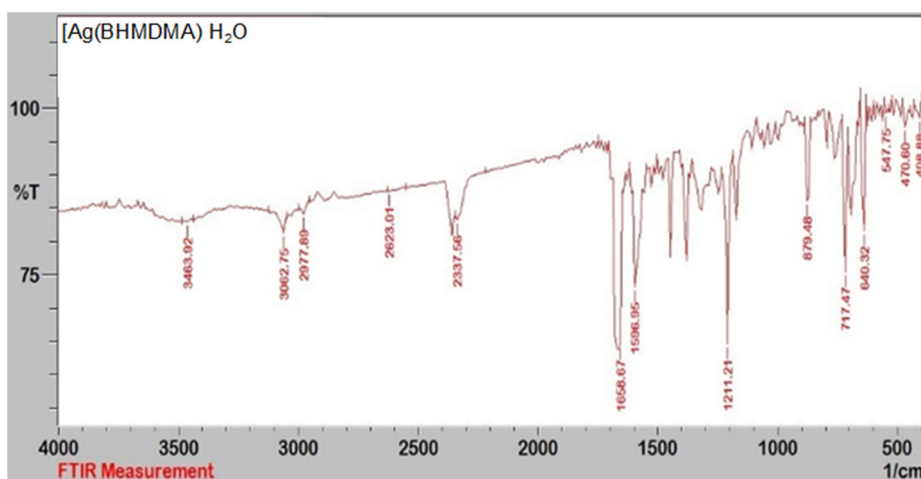


Fig S5. FTIR spectra of the Ag(I) complex

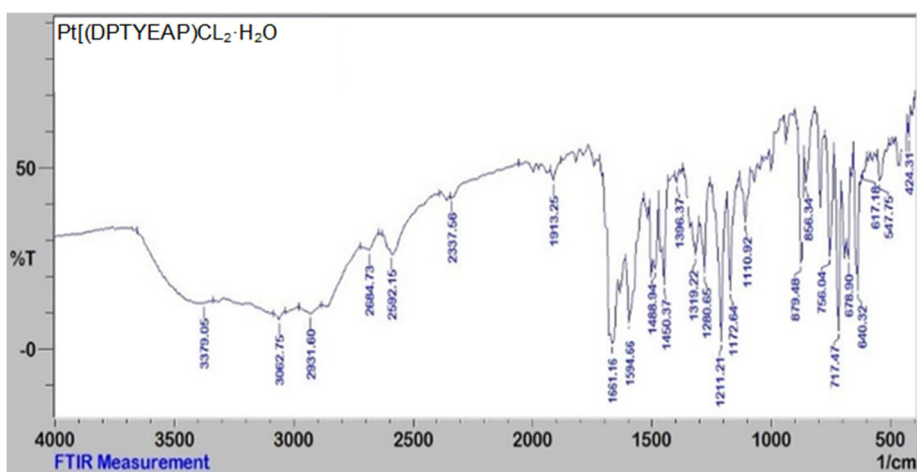


Fig S6. FTIR spectra of the Pt(IV) complex

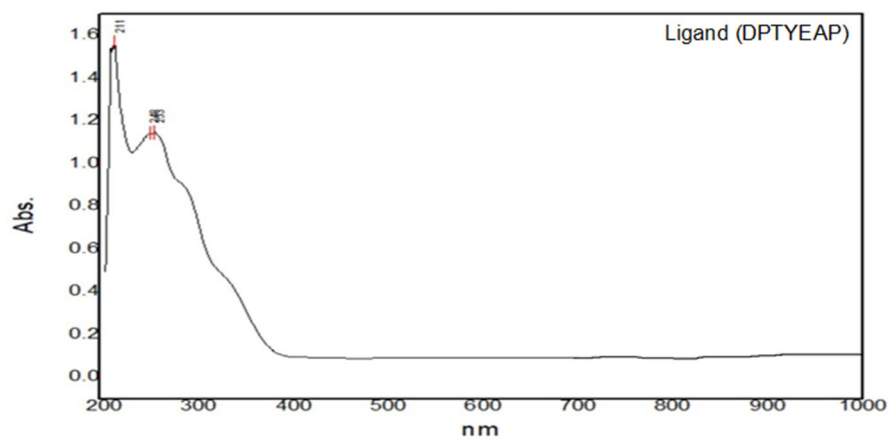


Fig S7. Electronic spectra of the synthesized ligand (DPTYEAP)

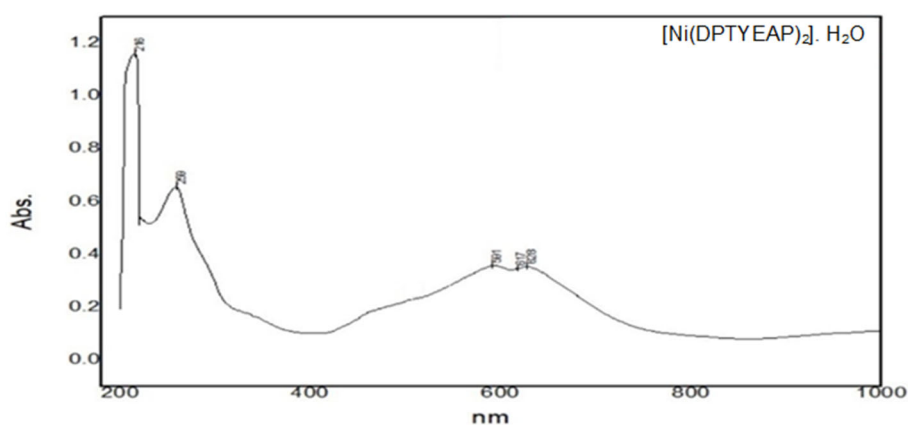


Fig S8. Shows the absorption peaks of each of the Ni(II) complexes

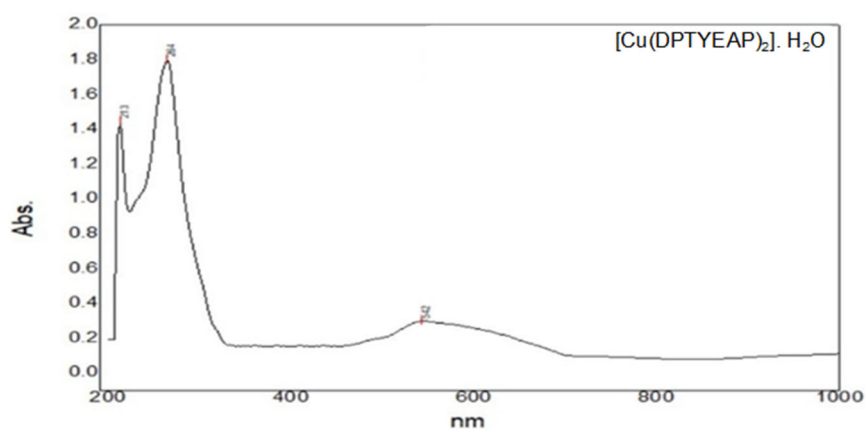


Fig S9. Shows the absorption peaks of each of the Cu(II) complexes

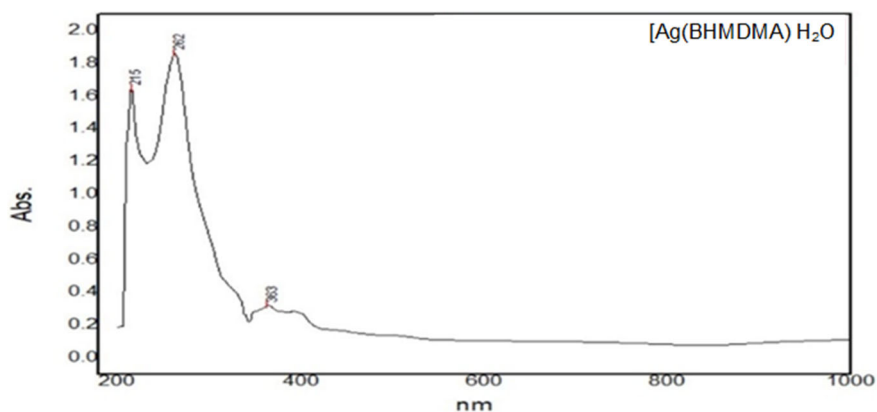


Fig S10. Shows the absorption peaks of each of the Ag(I) complexes

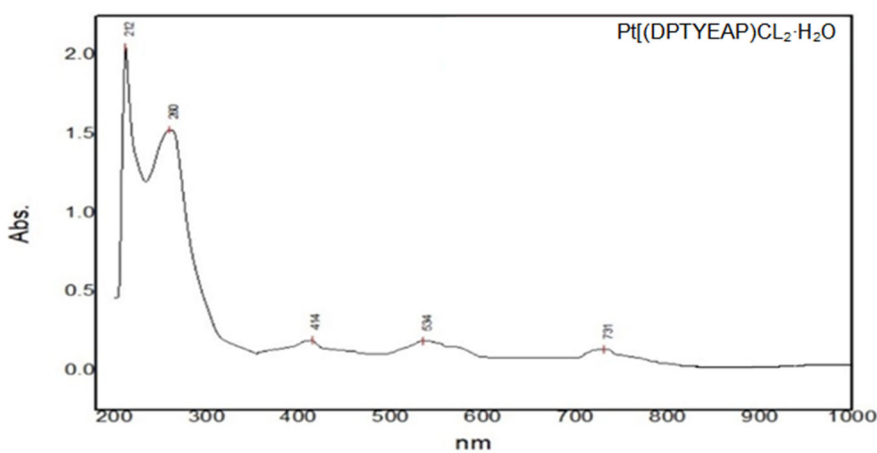


Fig S11. Shows the absorption peaks of each of the Pt(IV) complexes

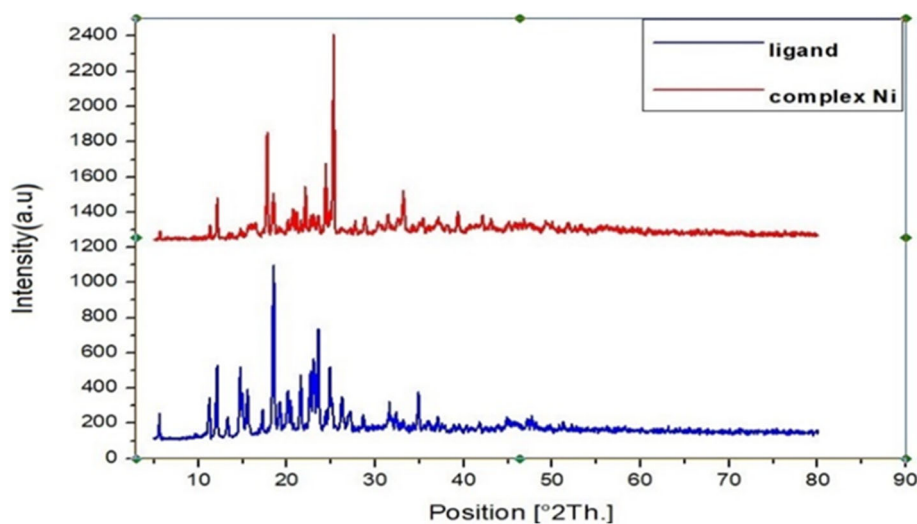


Fig S12. Shows the XRD patterns for ligand (DPTYEAP) and Ni(II) complexes

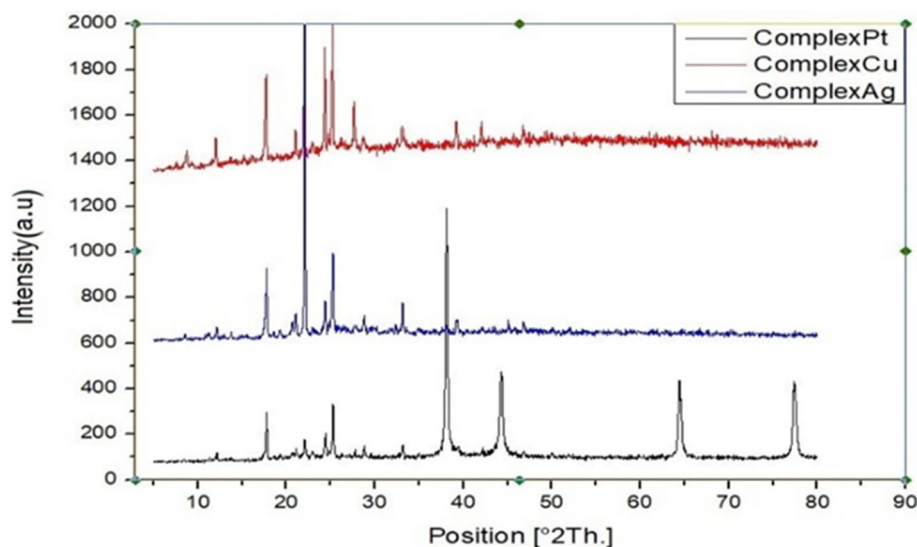


Fig S13. Shows the XRD patterns for the Cu(II), Ag(I) and Pt(IV) complexes

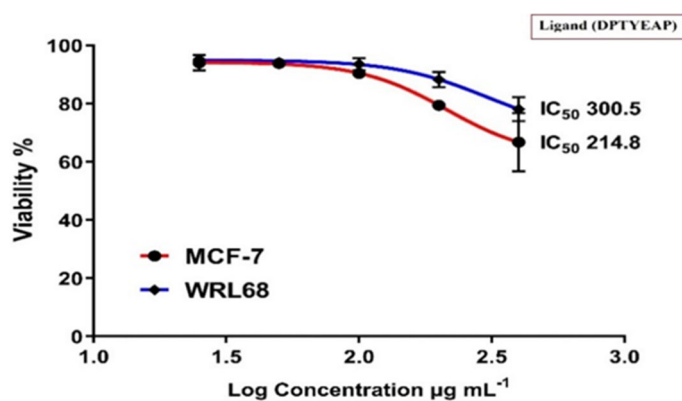


Fig S14. IC<sub>50</sub> for (DPTYEAP) ligand of cancer cell line (MCF-7) and natural cell line (WRL68)

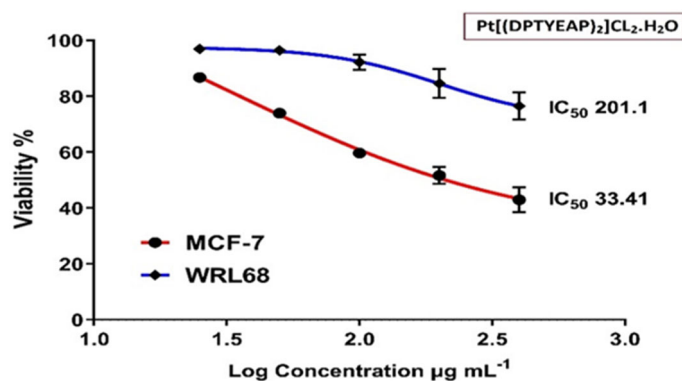


Fig S15. IC<sub>50</sub> for the Pt(IV) complex in the cancer cell line (MCF-7) and natural cell line (WRL68)