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. IC₅₀ for (DPTYEAP) ligand of cancer cell line (MCF-7) and natural cell line (WRL68)

Fig S15. IC₅₀ for the Pt(IV) complex in the cancer cell line (MCF-7) and natural cell line (WRL68)