Supplementary information

A mononuclear diketone-based oxido-vanadium(IV) complex: structure, DNA and BSA binding, molecular docking and anticancer activities against MCF -7, HPG-2, and HT- 29 cell lines

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Fig. S1. Absorption spectrum of 4.5×10^{-5} M [VO(L)₂] in PBS in different time intervals and 4.5×10^{-5} M ligand [HL] in PBS.



Fig. S2. FTIR spectrum of [VO(L)₂]



Fig. S3. Electronic spectrum of [VO(L)₂] in DMSO. The inset shows d–d transition of title complex



Fig. S4. Growing of $[VO(L)_2]$ along the c axis



Fig. S5. Stern-Volmer curves for [VO(L)2]-BSA interaction at different temperatures.



Fig. S6. Van't Hoff plots for $[VO(L)_2]$ -BSA interaction.