

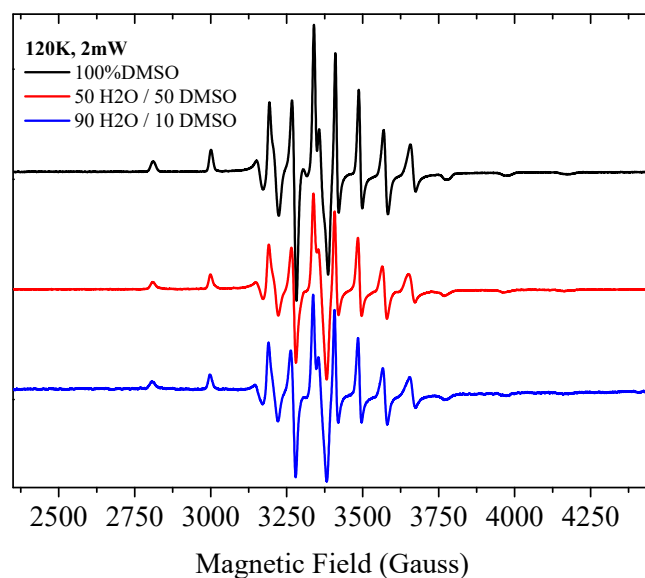
## Supplementary Material

### **Antioxidant and anticancer activities and protein interaction of the oxidovanadium(IV) naringin complex**

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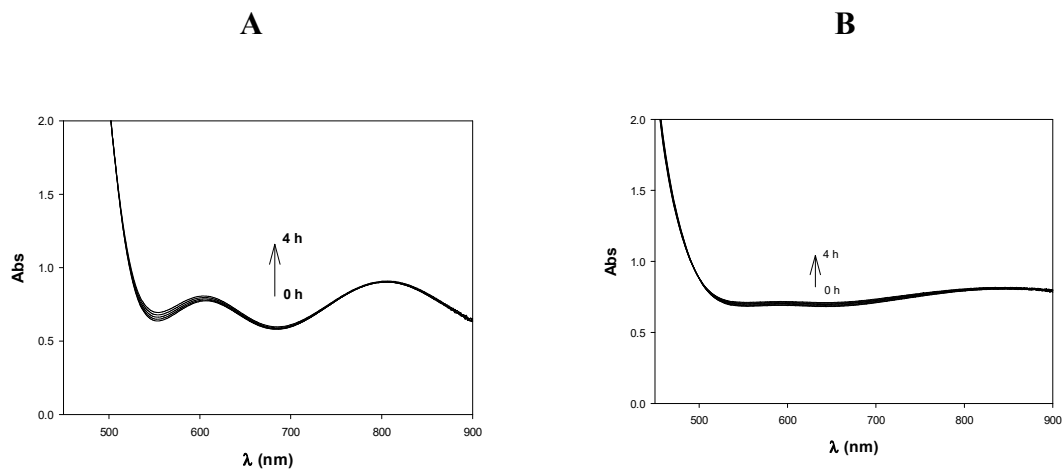
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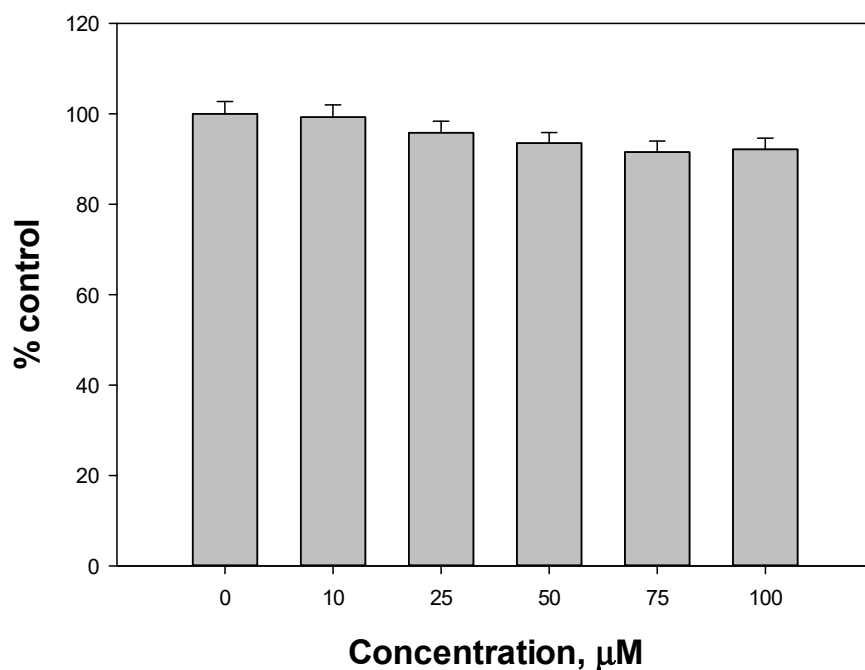
**Figure S1.** EPR spectrum of frozen solutions of VONarg at 120 K with different water:DMSO ratios.

Black: 100% DMSO, Red: 50% water pH 7, Blue: 90% water pH 7.

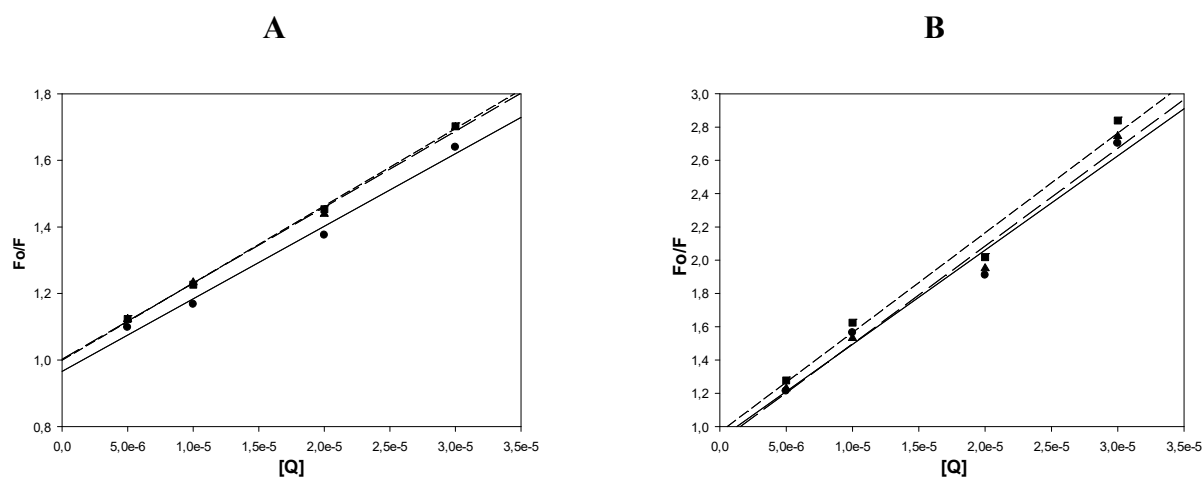


**Figure S2.** UV-Vis spectra recorded after 4h of 0.005 M solutions of  $[\text{VO}(\text{Narg})_2] \cdot 8\text{H}_2\text{O}$  in: A) DMSO;

B) DMSO/H<sub>2</sub>O 1/99.



**Figure S3.** Cell viability assay at different VONarg concentrations after treatment for 24 h on HEK293 cells. The results are expressed as a percentage of the control level and represent the mean  $\pm$  the standard error of the mean (SEM) from three separate experiments.



**Figure S4.** Stern-Volmer plot of the fluorescence quenching of BSA with different concentrations of naringin (A) and VONarg (B) systems, 5, 10, 20 and 30  $\mu\text{M}$ : (●) 298 K; (▲) 303 K; (■) 310 K, [BSA] = 6  $\mu\text{M}$ ,  $\lambda_{\text{ex}}$  = 280 nm.