Supplementary Material (ESI) for Photochemical &Photobiological Sciences

Photodynamic Inactivation of *Penicilliumchrysogenum* Conidia by Cationic Porphyrins

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Electronic Supplementary Information

1- Porphyrinsolubility.

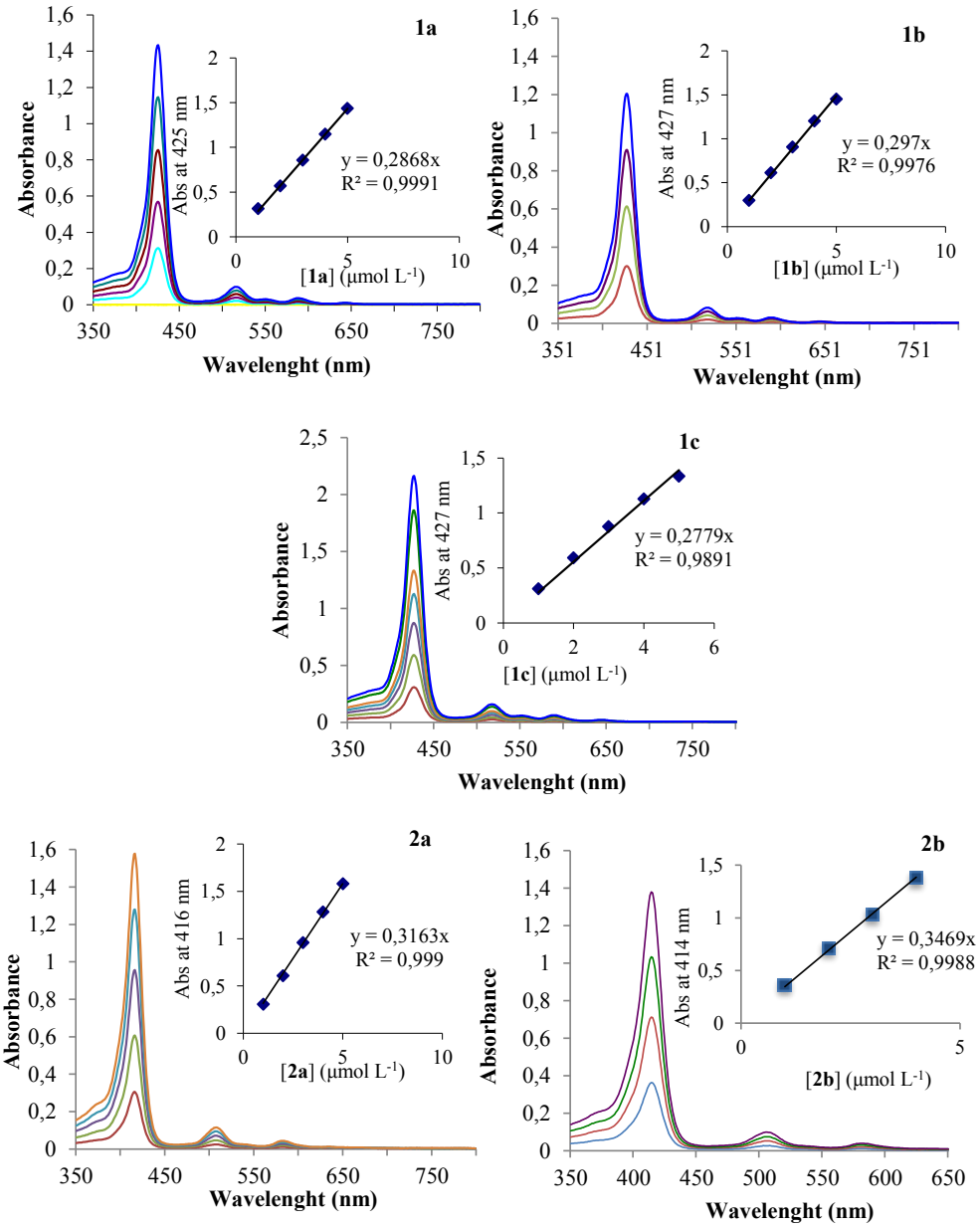

Fig. SI-1 - UV-Vis spectra of porphyrins**1** and **2** in DMSO at different concentrations. The insets plot the absorbance at Soret band *versus*concentration of PS.

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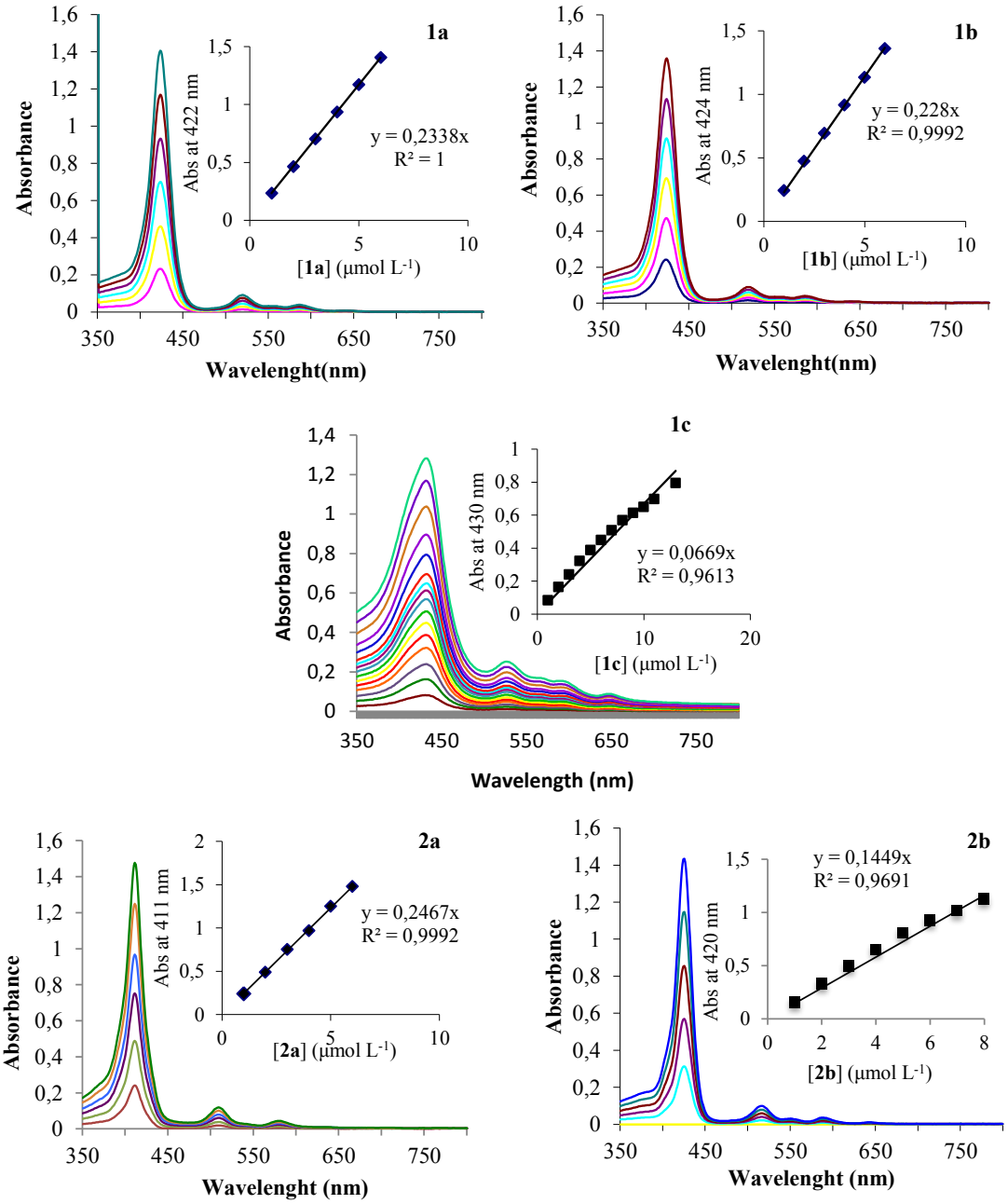

Fig. SI-2 - UV-Vis spectra of porphyrins**1** and **2** in PBS at different concentrations. The insets plot the absorbance at Soret band *versus* concentration of PS.

2- Fluorescence quantum yields.

$$\Phi_{\Delta}^{sample} = \Phi_{\Delta}^{ref} \frac{AUC^{Sample}\left(1 - 10^{-Abs_{ref}}\right)}{AUC^{ref}\left(1 - 10^{-Abs_{sample}}\right)}$$

Equation SI 1

Where AUC is the integrated area under the fluorescence curves of each porphyrinand Abs is the absorbance at the excitation wavelength.