

## Kinetic and spectroscopic studies on the chiral self-aggregation of amphiphilic zinc and copper (L)-prolinate-tetraarylporphyrin derivatives in different aqueous media

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Electronic Supplementary Informations (ESI)

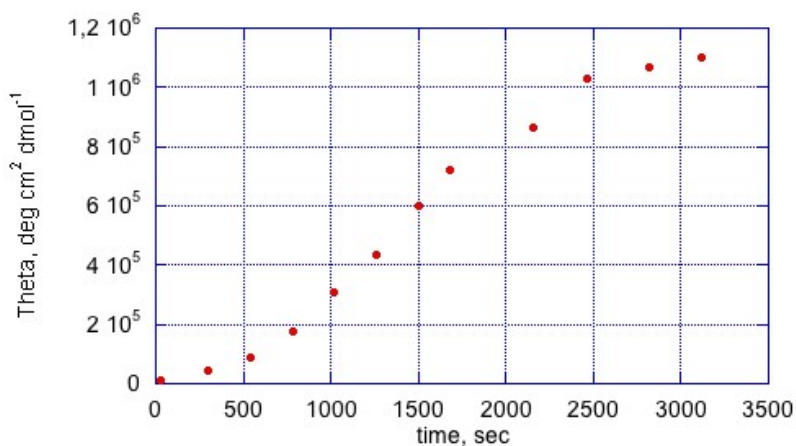


Figure S1. Kinetic profile for the aggregation of **CuPL(+)**  $2.8 \times 10^{-6}$  M in EtOH/H<sub>2</sub>O 30% v:v. CD spectral pattern variation at  $\lambda = 419$  nm.

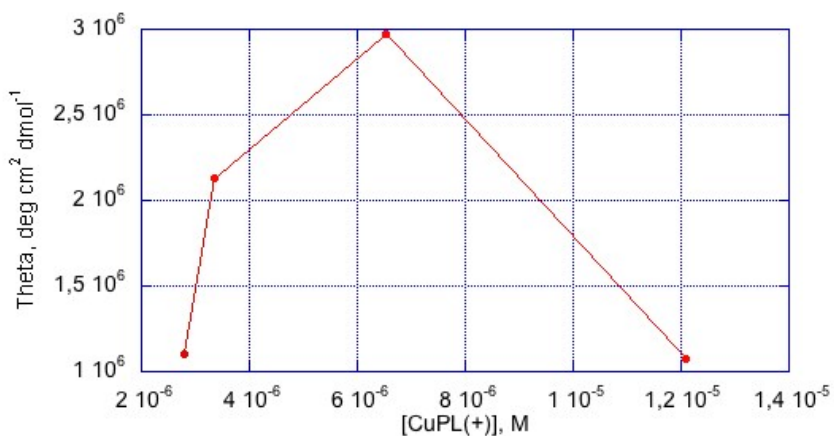


Figure S2. Theta molar values as a function of the initial concentration of **CuPL(+)** (EtOH/H<sub>2</sub>O 30% v:v).

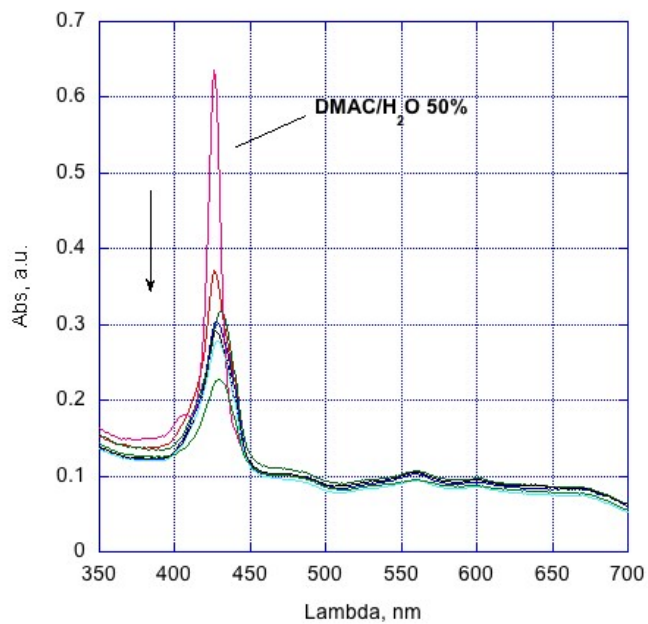


Figure S3. UV-Vis spectra variations with time of **ZnPL(+)** in DMAC/H<sub>2</sub>O 30% v:v.

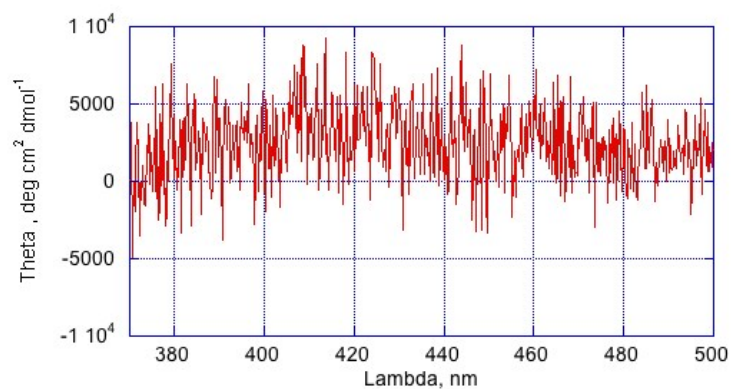


Figure S4. CD spectra of **ZnPL(+)** (final aggregates) in DMAC/H<sub>2</sub>O 30% v:v.

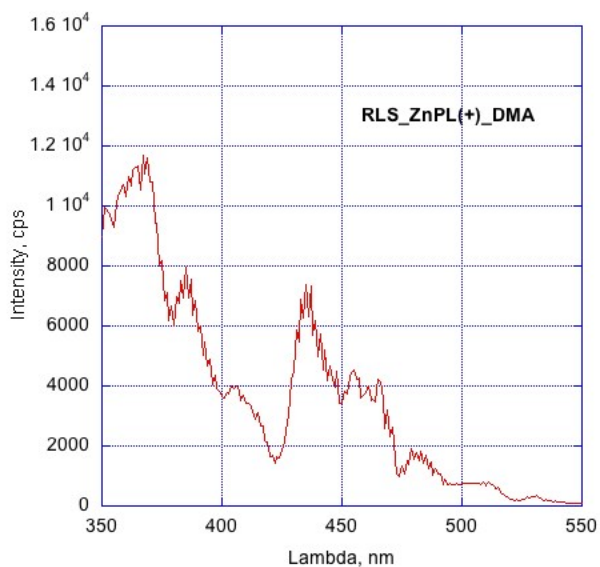


Figure S5. RLS spectra (final aggregates) of **ZnPL(+)** in DMAC/H<sub>2</sub>O 30% v:v at  $3.5 \times 10^{-6}$  M

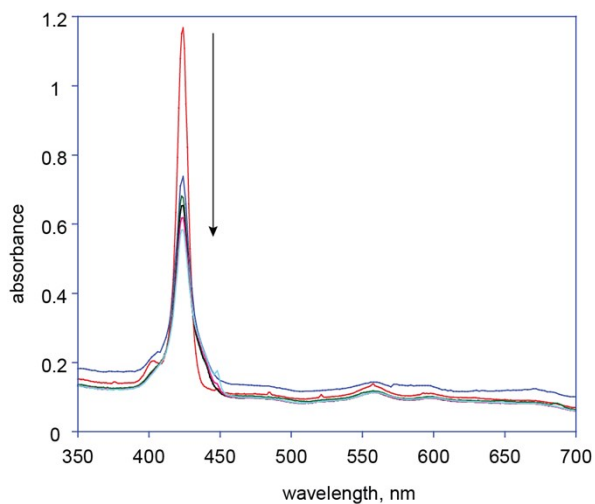


Figure S6. UV-Vis spectra variations with time of **ZnPL(+)** in WtOH/H<sub>2</sub>O 30% v:v.

$$\text{Eq. S1. } [\text{Ext}_t] = [\text{Ext}_\infty] + ([\text{Ext}_0] - [\text{Ext}_\infty]) \left\{ (1 + (m-1) [k_0 t + (n+1)^{-1} (k_{\text{cat}} t)^{n+1}]^{-1/ (m-1)} \right\}$$

$$\text{Eq. S2. } \text{Ext}_t = \text{Ext}_\infty + (\text{Ext}_0 - \text{Ext}_\infty) [\exp(-kt)]$$