

Electronic supporting information (ESI) for article:

Phthalocyanines and Metal Phthalocyanines with Phosphoryl Groups: Supramolecular Ensembles, Photochemical and Photobiological Properties

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Фталоцианины и металлофталоцианины с фосфорильными группами: супрамолекулярные ансамбли, фотохимические и фотобиологические свойства

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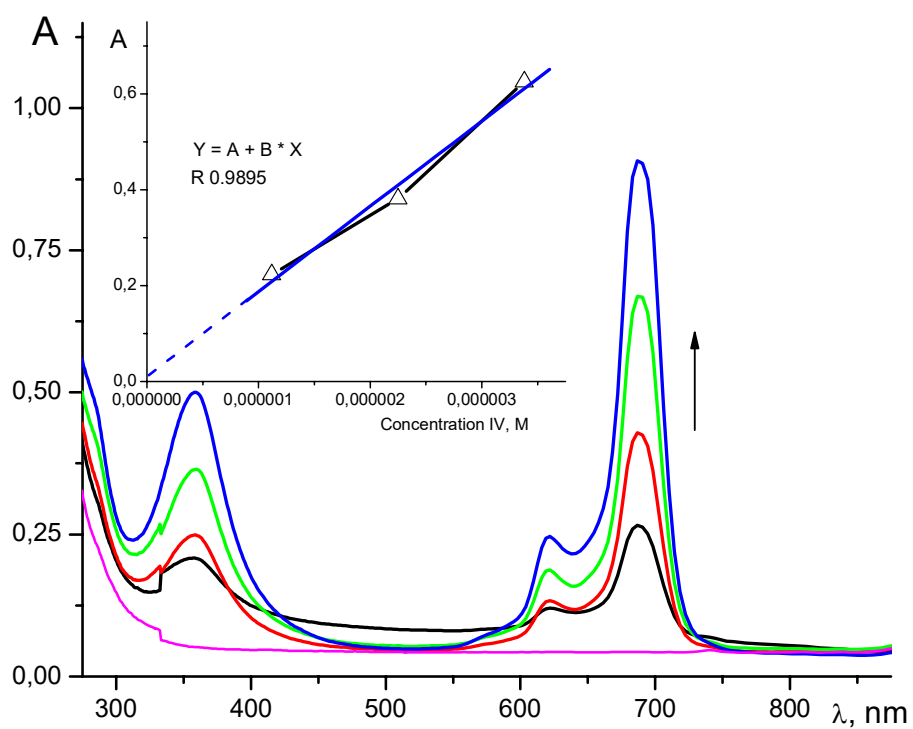


Figure S1. Absorption spectra of **IV** in DMSO. The inset shows the dependence of optical density Q -band on the concentration of **IV**.

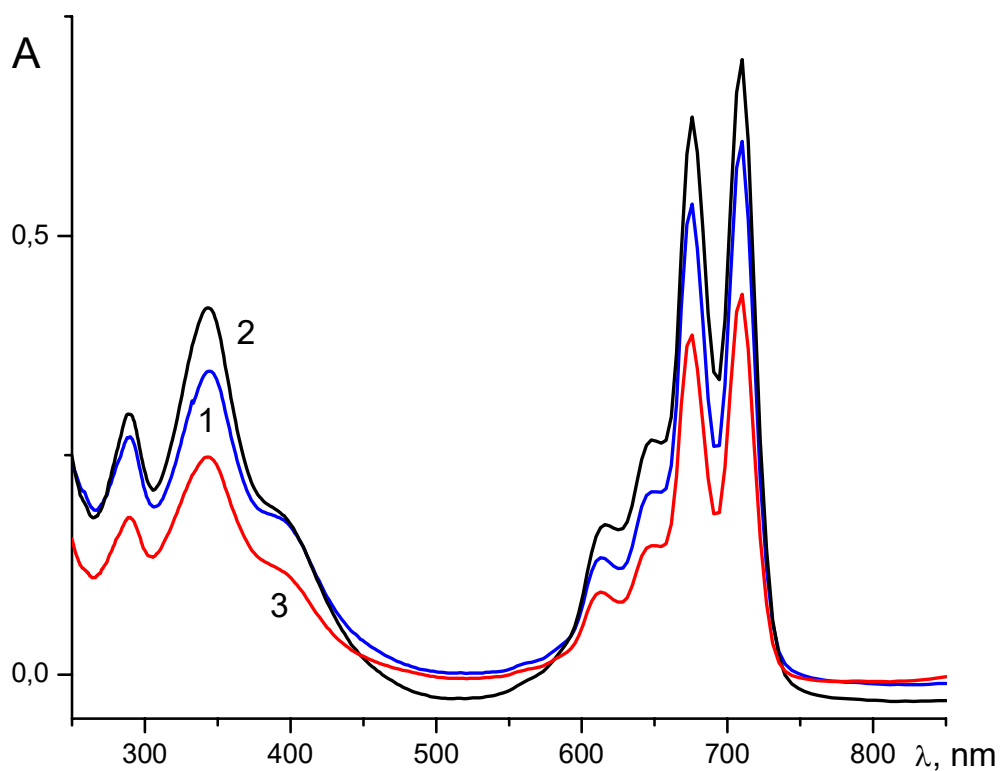


Figure S2. Absorption spectra of compounds **I-III** in the microheterogeneous system CTAB/PBS. The numbers 1, 2 and 3 correspond to the spectra of compounds of **I**, **III** and **II**.

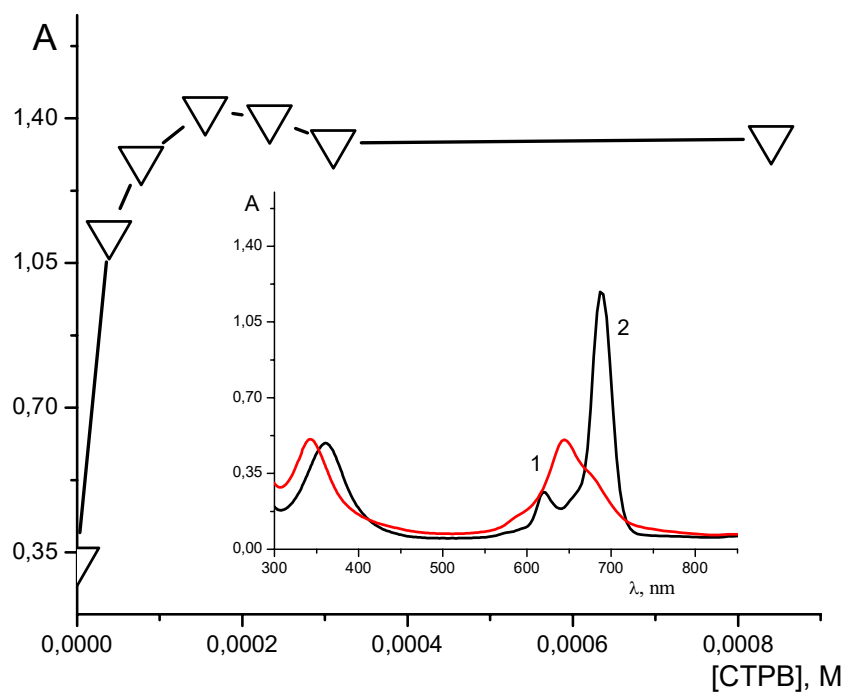


Figure S3. Change in the optical density of A_{686} in the microheterogeneous system **IV**/CTPB/PBS depending on [CTPB]: [IV] = $6.06 \cdot 10^{-6}$ M, [CTPB]: $1.88 \cdot 10^{-5} \div 8.4 \cdot 10^{-4}$ M, [PBS] = 0.01 M. In the insert: spectra **IV** in the state of dimer (1) and monomer (2) at [CTPB] = 0 and $8.4 \cdot 10^{-4}$ M, respectively.

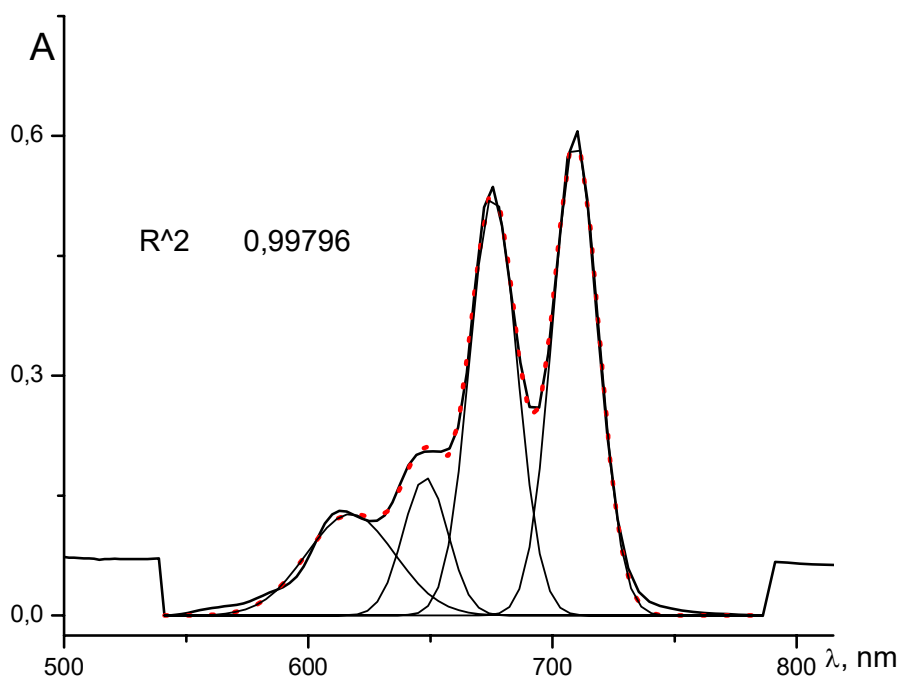


Figure S4. Deconvolution of the experimental spectrum **III**/CTAB/PBS using 4 Gauss functions.

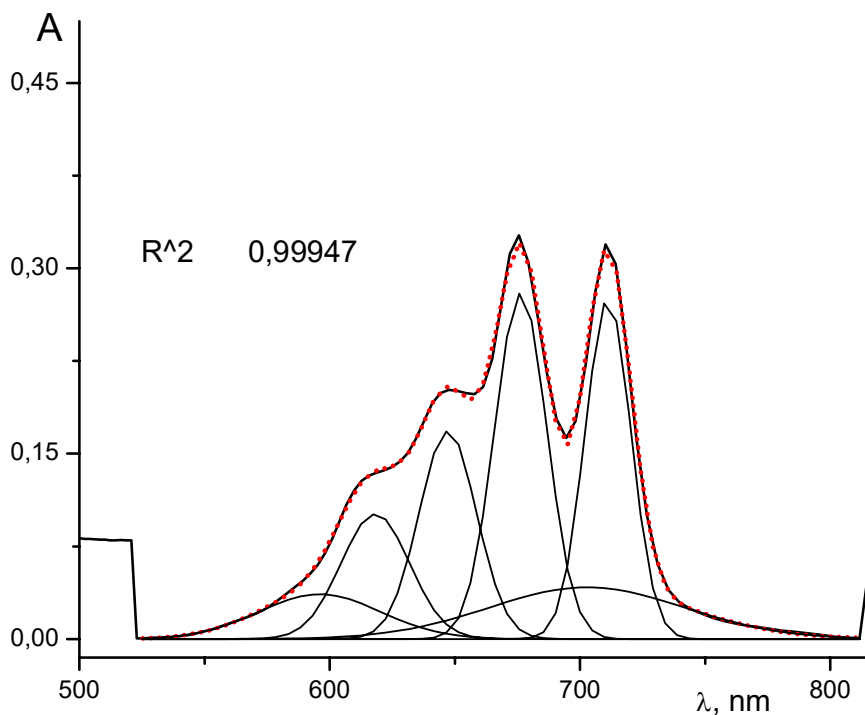


Figure S5. Deconvolution of the experimental spectrum **III**/SDC/PBS using 6 Gauss functions.

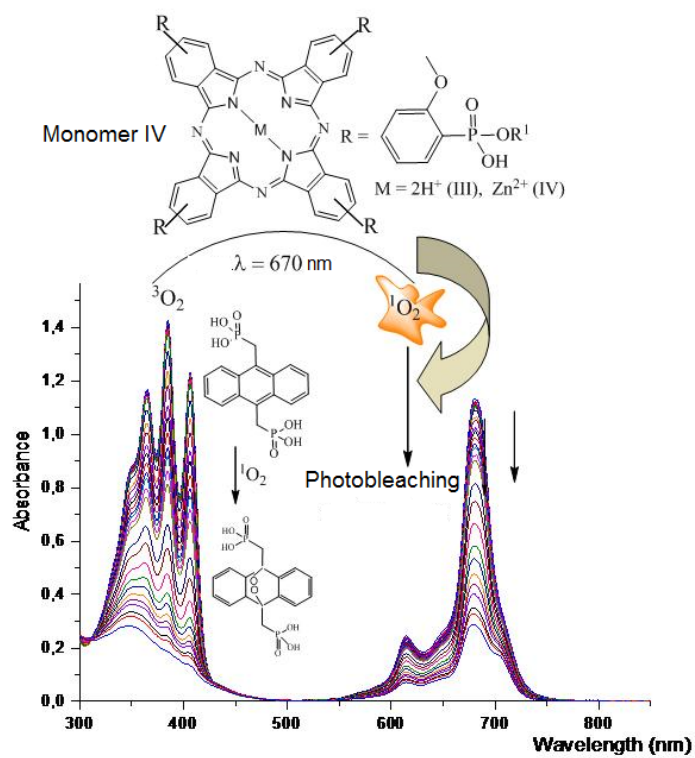


Figure S6. Transformations in the AnthX₂/IV system in a micellar solution of CTAB in air upon irradiation, where Anth₂ and IV act as quencher of ¹O₂ and PS, respectively (laser, λ = 670 nm).

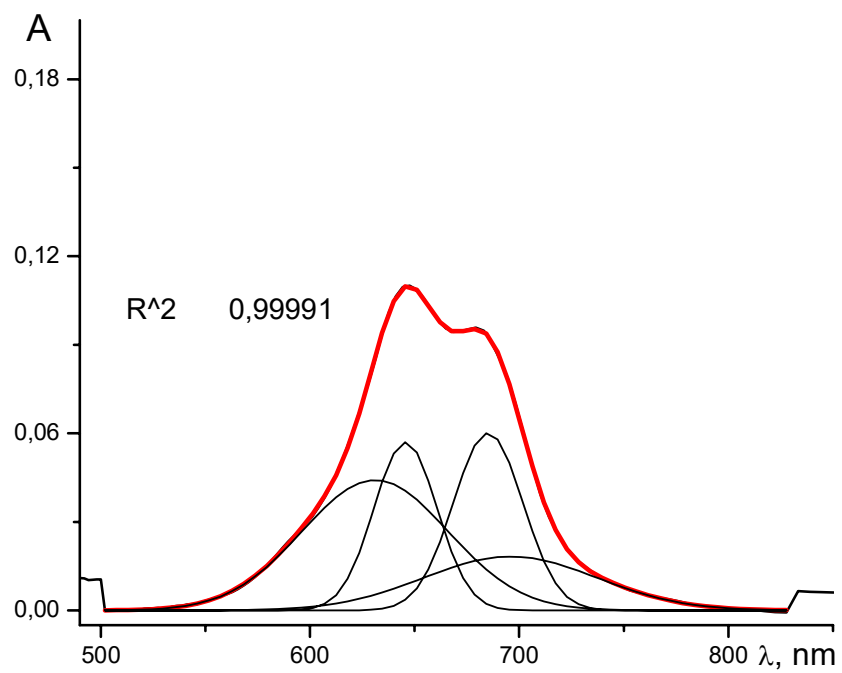


Figure S7. Deconvolution of the absorption spectrum of the IV/BSA/PBS system using 4 Gauss functions.