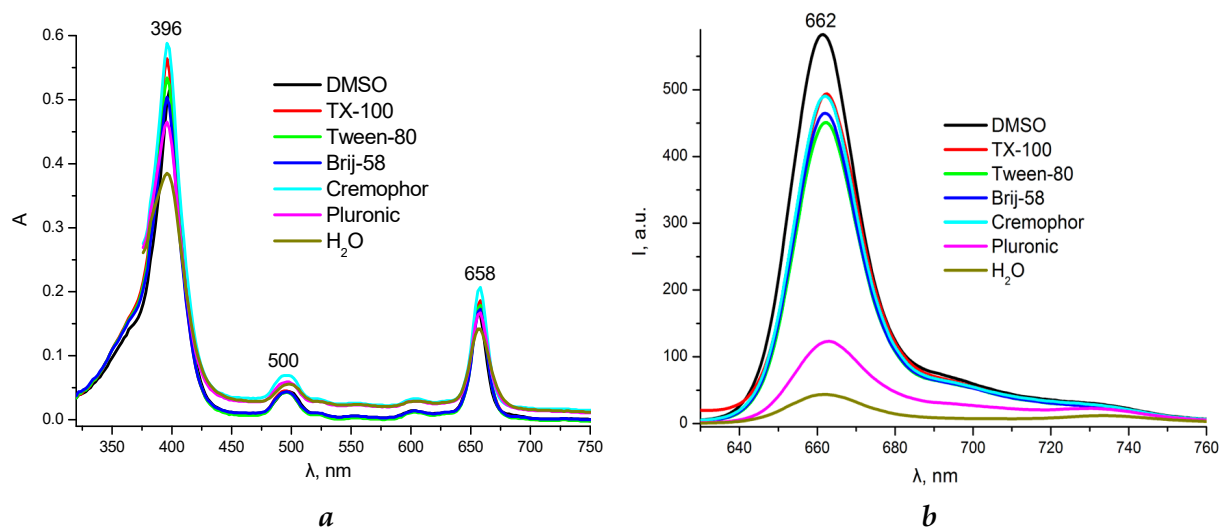
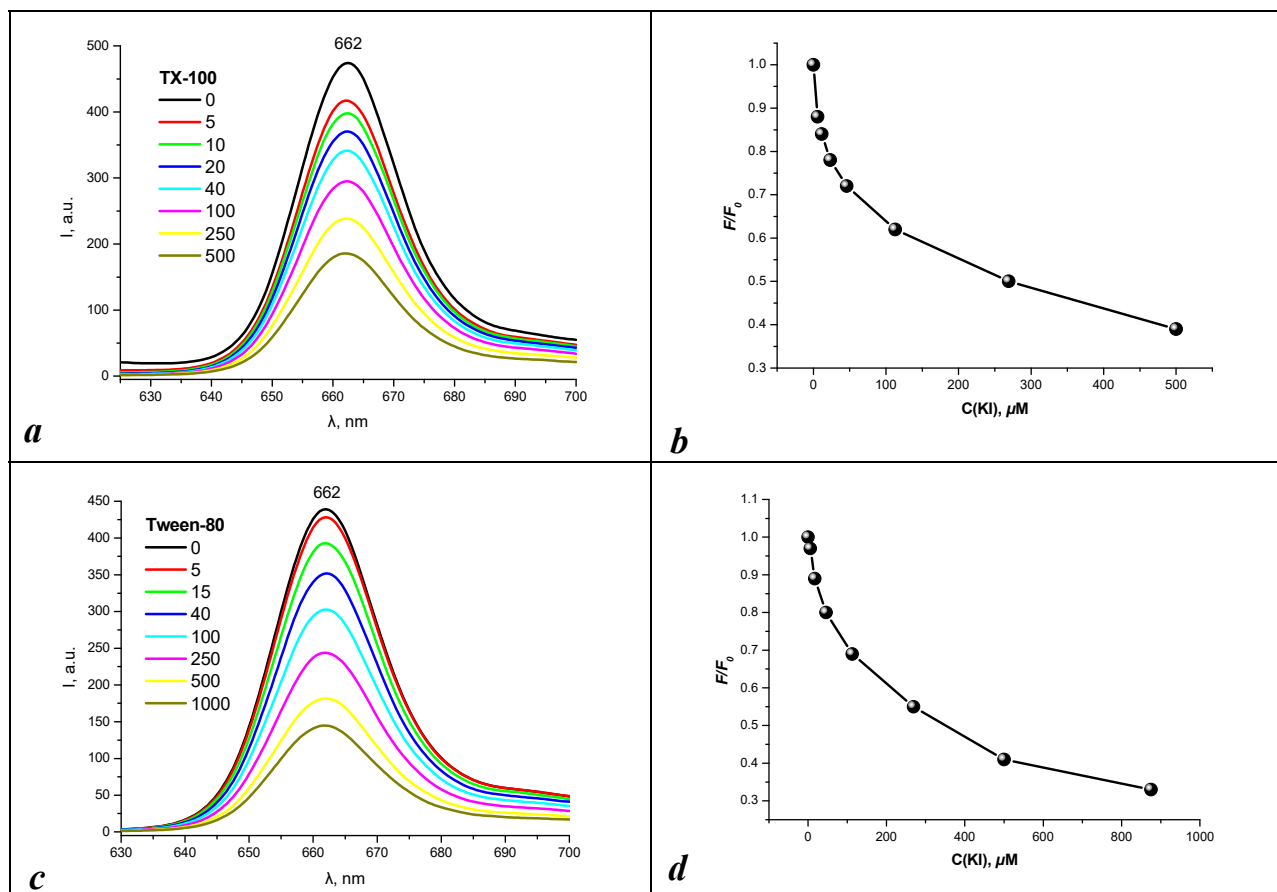


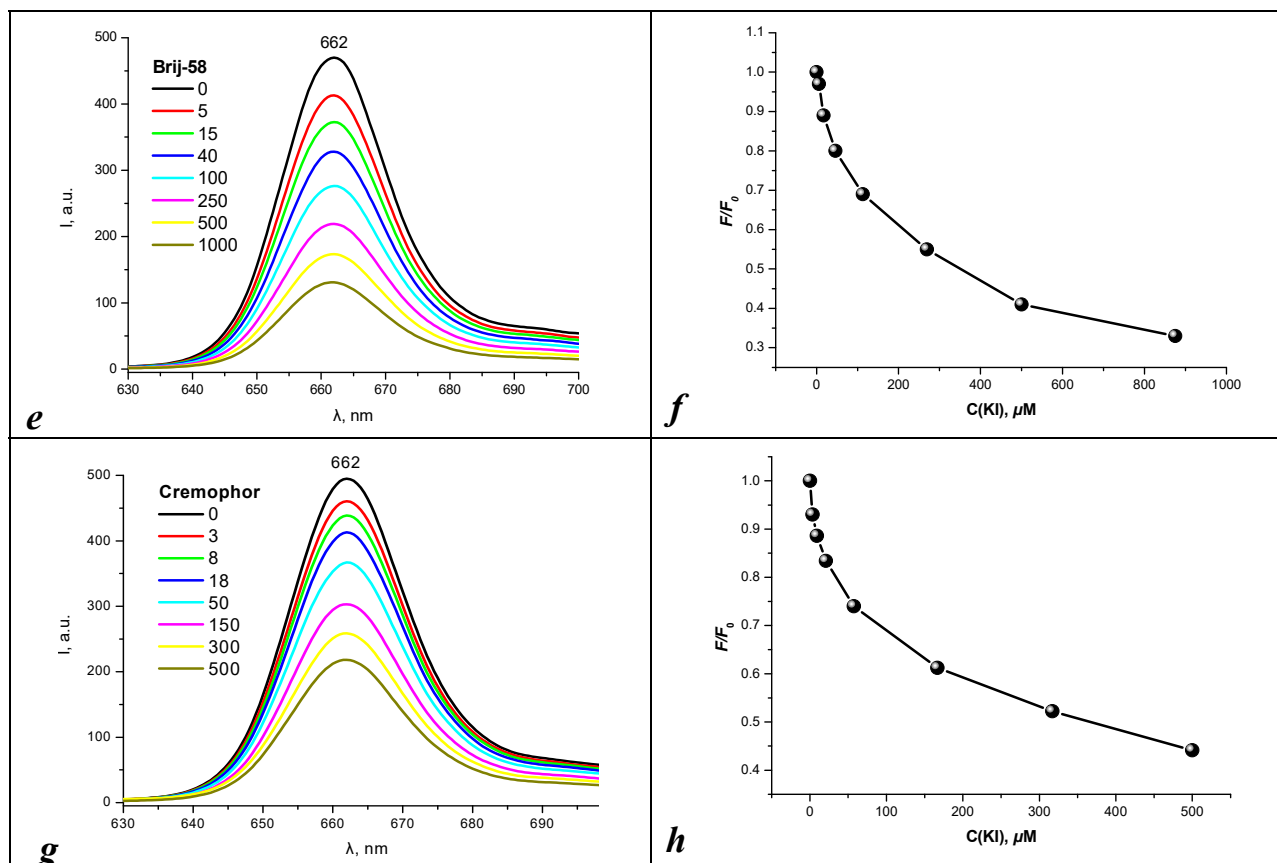
# Characterization of a novel amphiphilic cationic chlorin photosensitizer for photodynamic applications

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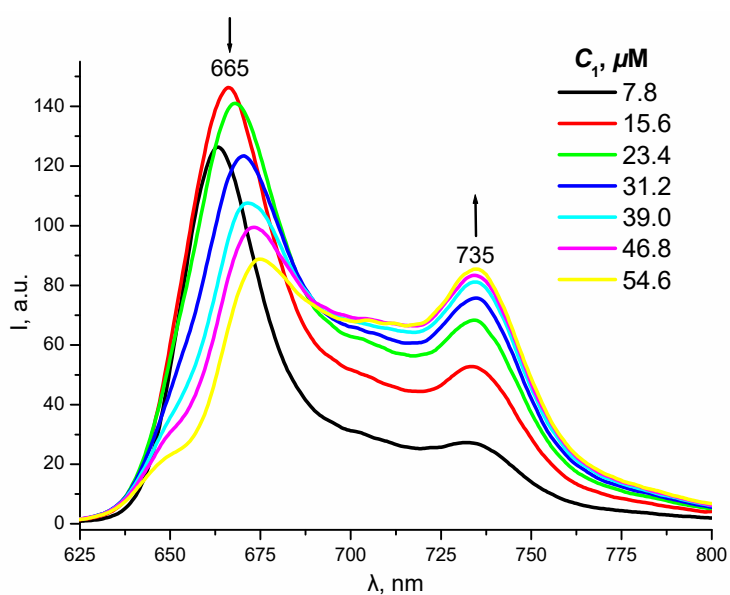


**Figure S1.** UV-Vis absorption (a) and fluorescence (b) spectra of 1 in DMSO, H<sub>2</sub>O and nonionic surfactant solutions.

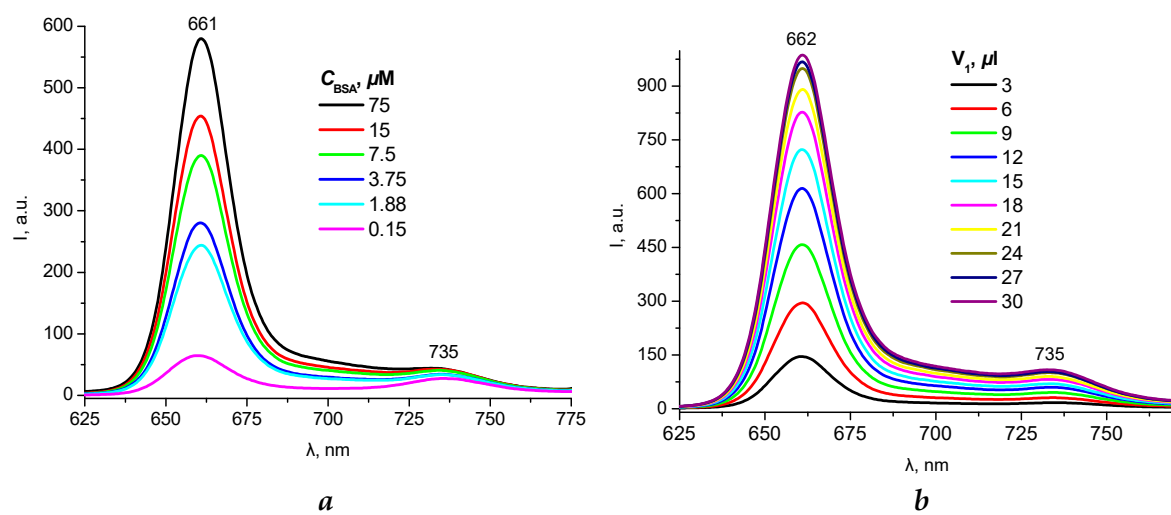




**Figure S2.** Fluorescence spectra of **1** in nonionic surfactant micelles (*a,c,e,g*) upon titration with KI and the corresponding  $\text{I}^-$  ion concentration-dependent fluorescence decay curves (*b,d,f,h*).



**Figure S3.** Concentration dependence of the fluorescence spectra of **1** in  $\text{H}_2\text{O}$  with 0.3-2% DMSO.



**Figure S4.** Fluorescence spectra of **1** in BSA at different  $C_{BSA}$  (**a**) and different  $C_1$  (**b**).