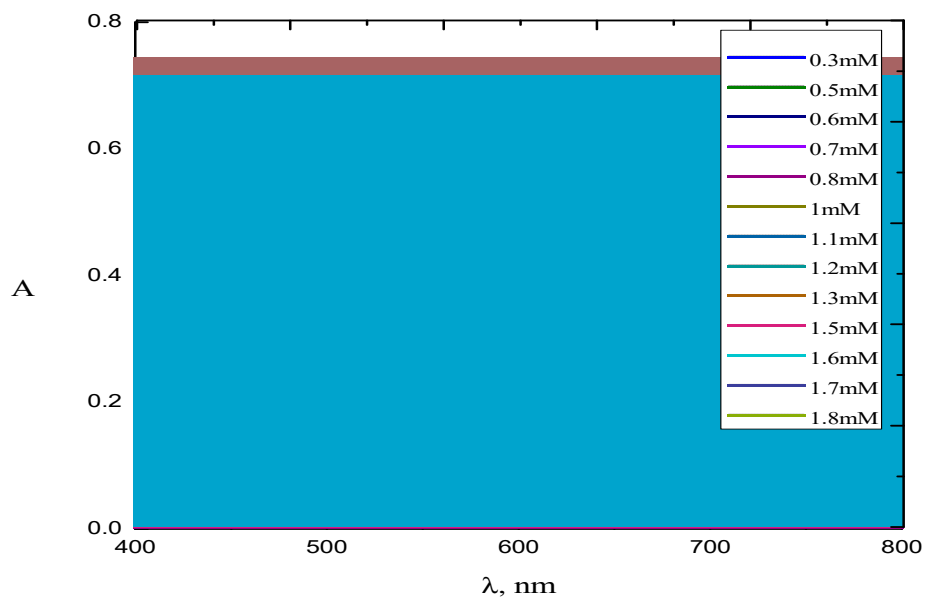
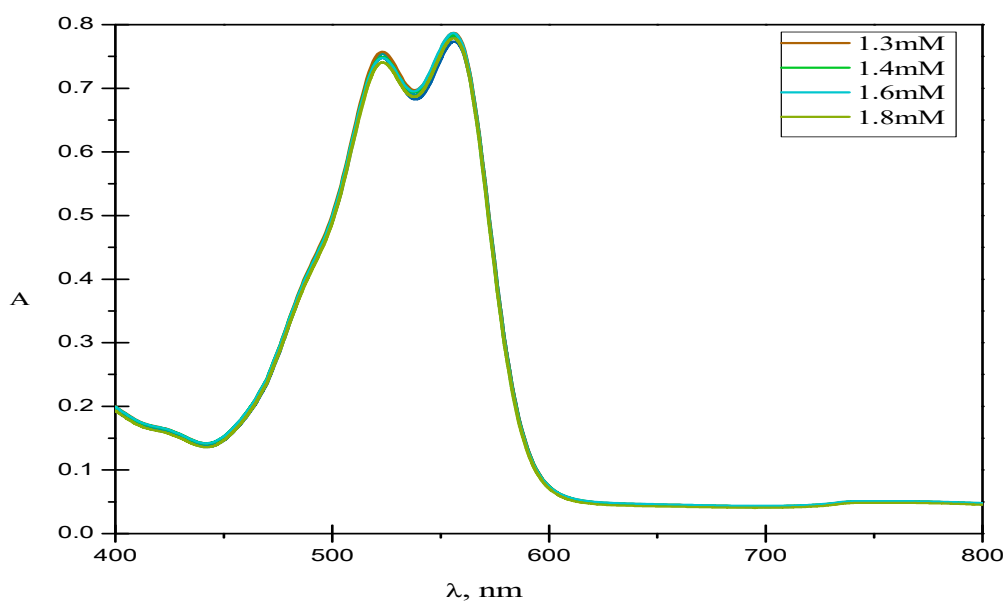


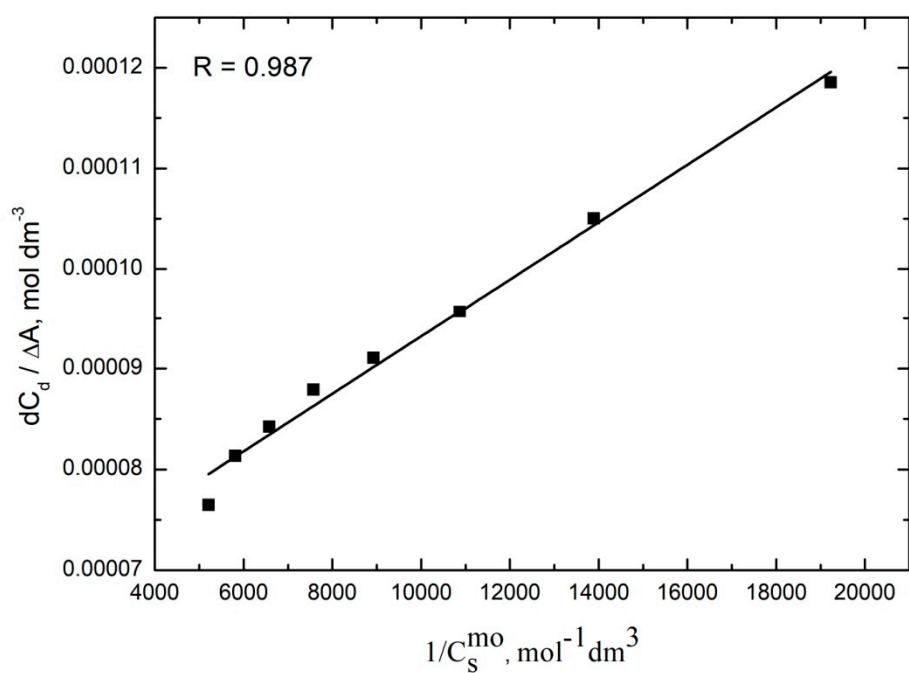
## Supplementary Materials



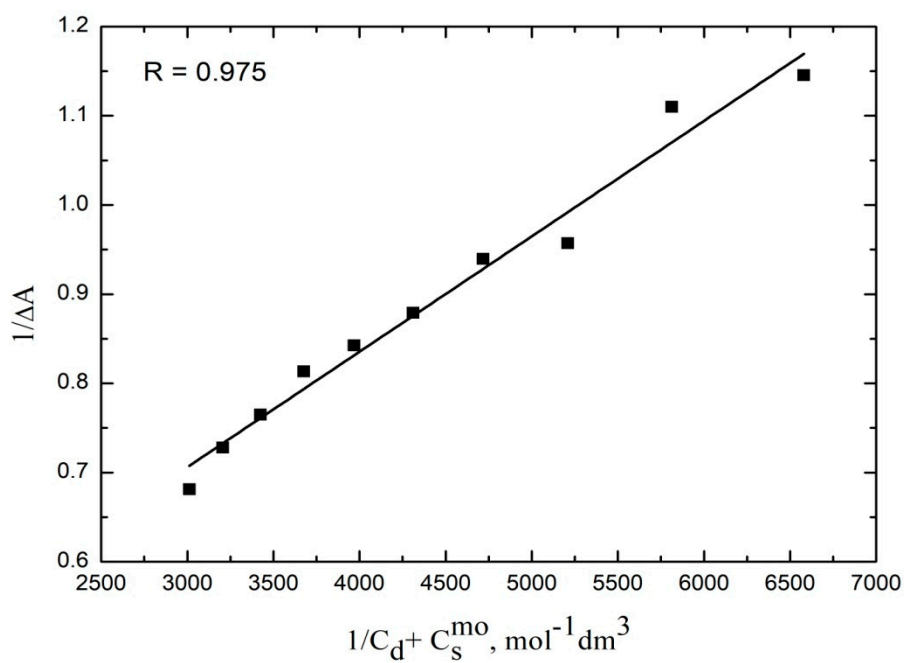
**Figure S1.** Simple absorbance spectra of RR2 as a function of different concentrations of CPC in aqueous solution.



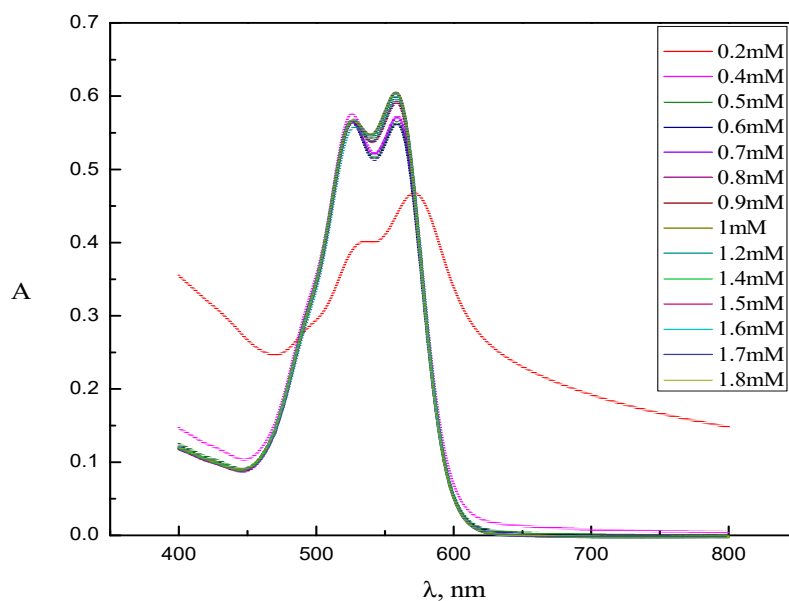
**Figure S2.** Differential absorbance spectra of RR2 as a function of different concentration of CPC in aqueous solution.



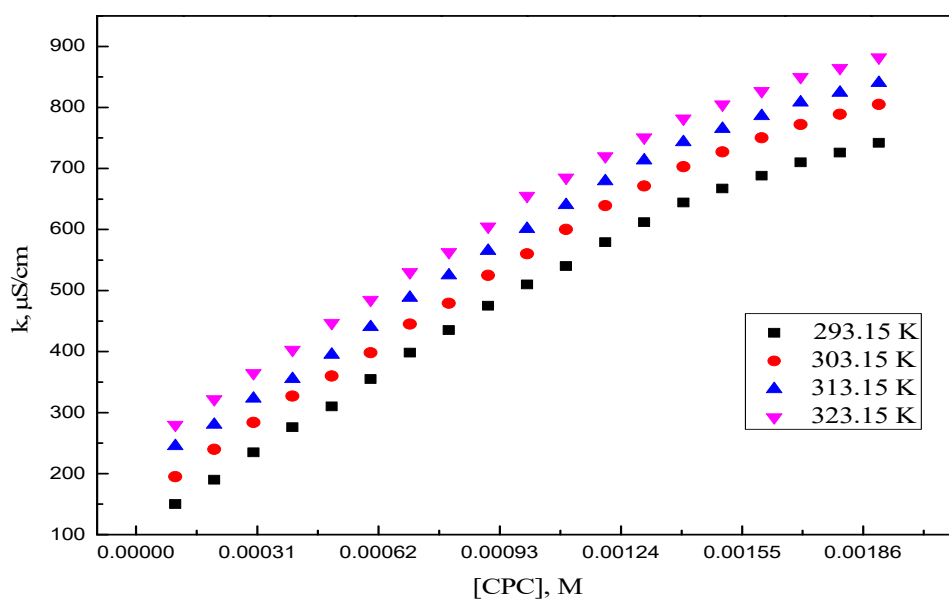
**Figure S3.** Plot for calculation of binding constant,  $K_b$ , of RR2-TX-114 system.



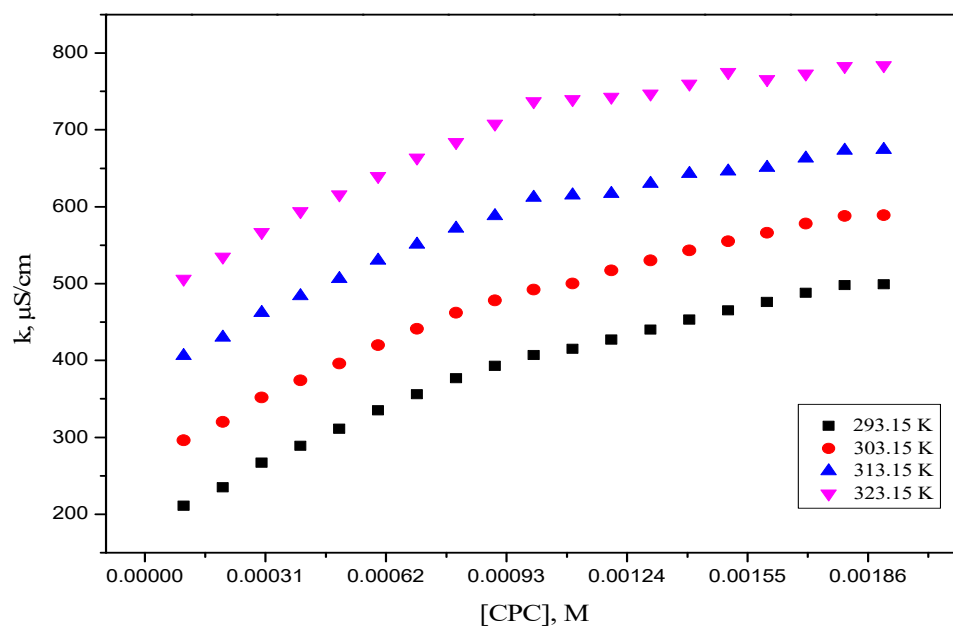
**Figure S4.** Plot for calculation of partition coefficient,  $K_c$ , for the RR2-TX-114 system.



**Figure S5.** Simple absorbance spectra of RR2 in the presence of 0.13 mM TX-114 in the CPC/TX-114 mixed micelles at different concentrations of CPC.



**FigureS6.** Conductivity vs concentration plot of CPC in presence of RR2 ( $1 \times 10^{-4}$ M) at different temperatures.



**Figure S7.** Conductivity vs concentration plot of CPC in presence of  $1 \times 10^{-4}$  M RR2 and 0.13 mM TX-114 at different temperatures.