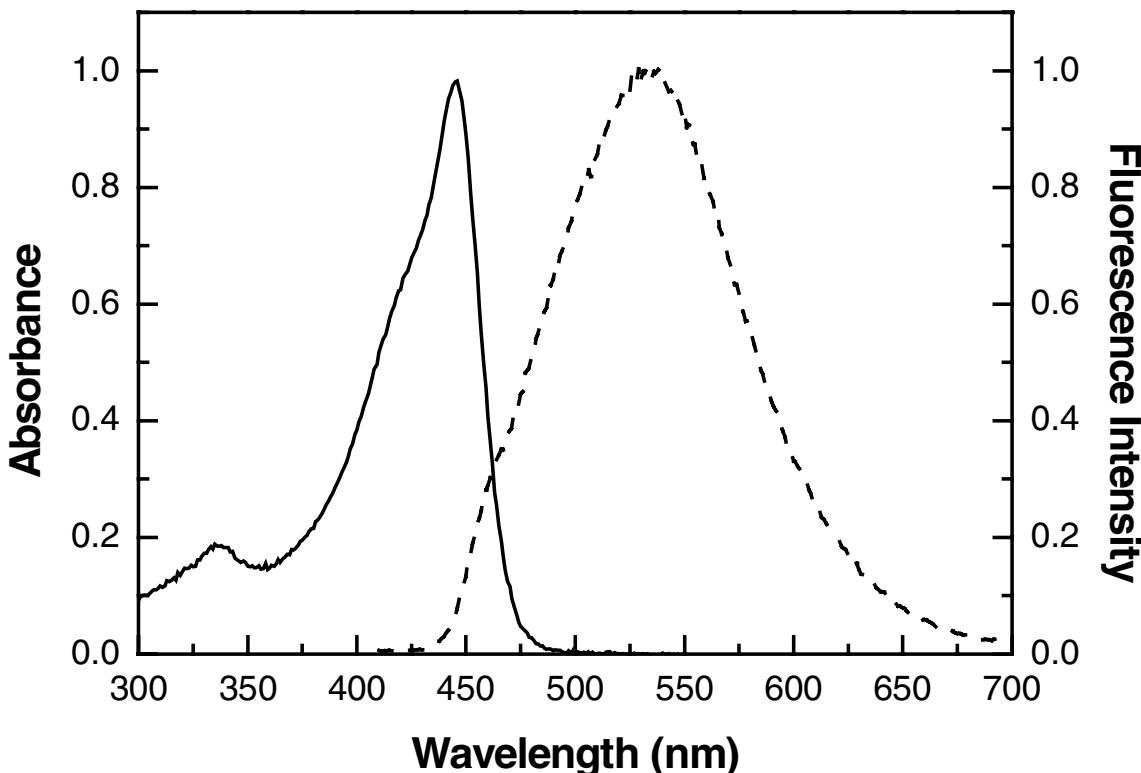


# Saccharides Detection Based on the Amplified Fluorescence Quenching of a Water Soluble Poly(Phenylene Ethynylene) by a Boronic Acid Functionalized Benzyl Viologen Derivative

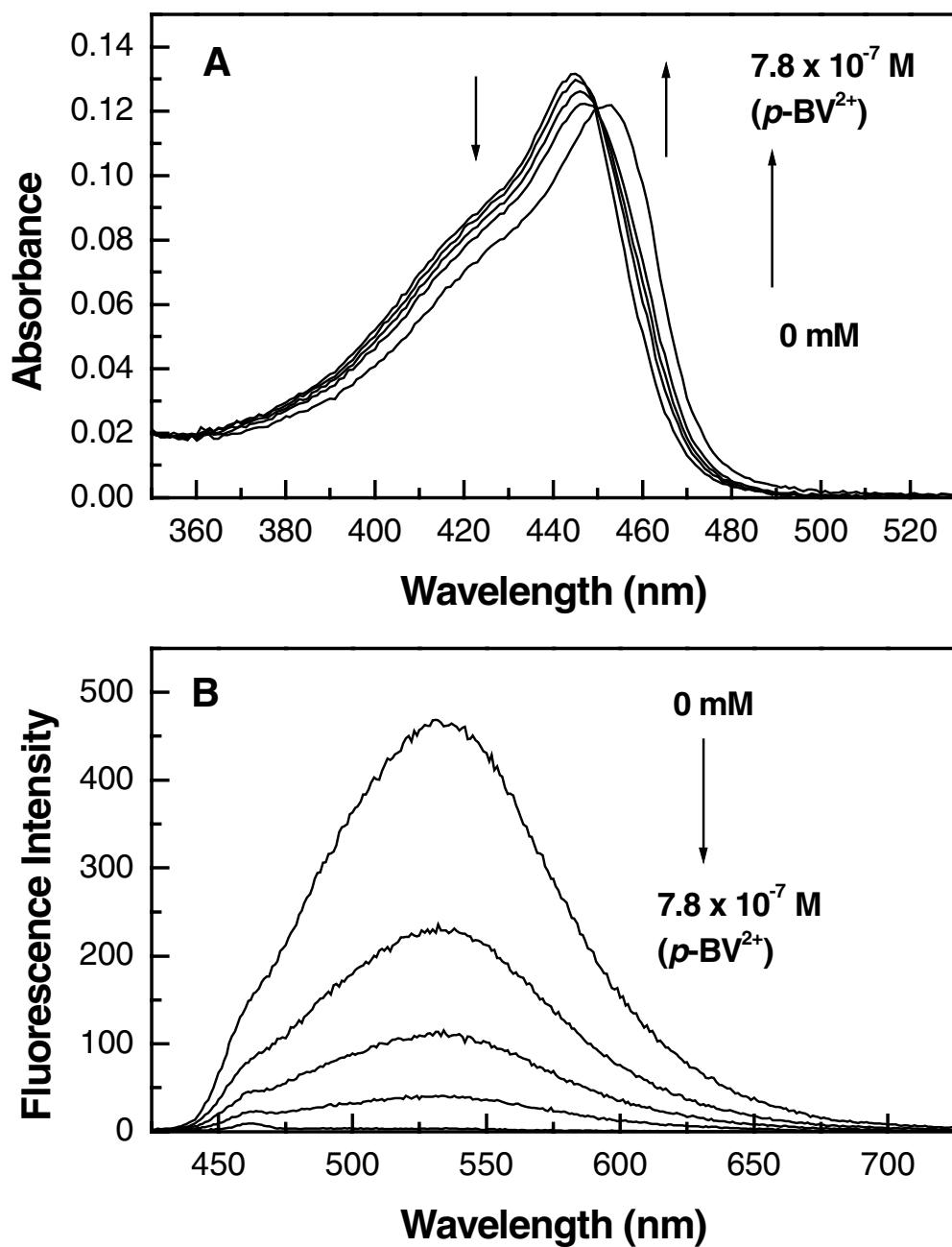
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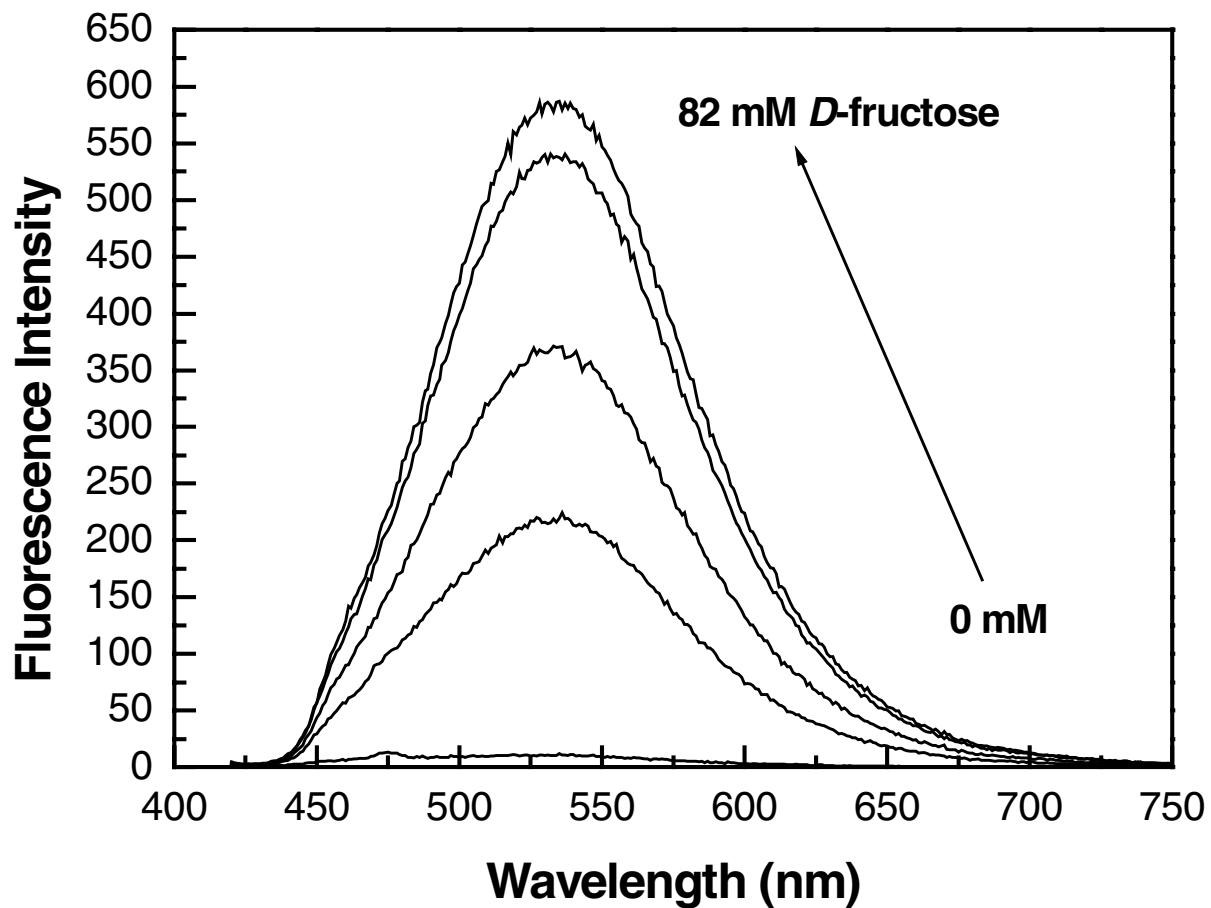
## Supporting Information



**Figure 1.** Normalized absorption (—) and emission (----) spectra of PPE- $\text{SO}_3^-$  ( $2.6 \times 10^{-6}$  M) in PBS (6 mM) pH 7.4 ( $\lambda_{\text{ex}} = 410$  nm).



**Figure 2.** Effect of the addition of  $p\text{-BV}^{2+}$  on the absorption (**A**) and emission (**B**) of  $\text{PPE-SO}_3^-$  ( $2.6 \times 10^{-6}$  M), measured in PBS (6 mM) pH 7.4. Concentration of  $p\text{-BV}^{2+}$ : 0,  $3.3 \times 10^{-8}$ ,  $9.9 \times 10^{-8}$ ,  $2.3 \times 10^{-7}$ , and  $7.8 \times 10^{-7}$  M, respectively.



**Figure 3.** Effect of *D*-fructose on the emision of  $\text{PPE-SO}_3^-$  ( $2.6 \times 10^{-6}$  M) /  $\text{p-BV}^{2+}$  ( $8 \times 10^{-7}$  M) system, measured in PBS (6 mM) pH 7.4 ( $\lambda_{\text{ex}} = 410$  nm). Concentration of *D*-fructose: 0, 2.6, 4.2, 7.4, and 82 mM, respectively.