



Figure S1. Characterization of SPI-n-butanol interaction by fluorescence quenching assay, as a negative control. (A) Molecular chemical structure of n-butanol. (B) The fluorescence emission spectra of SPI titrated with different concentrations of n-butanol. (C) The Stern-Volmer plots for binding parameter calculation. The obtained F_0/F and $Lg[(F_0 - F)/F]$ were not fitted well with equation (2) (Figure S1C, $R^2 = -0.9734$) and equation (3) (Figure S1C, $R^2 = 0.7234$) due to the poor concentration dependence.