Supporting Information

Supporting Figures:

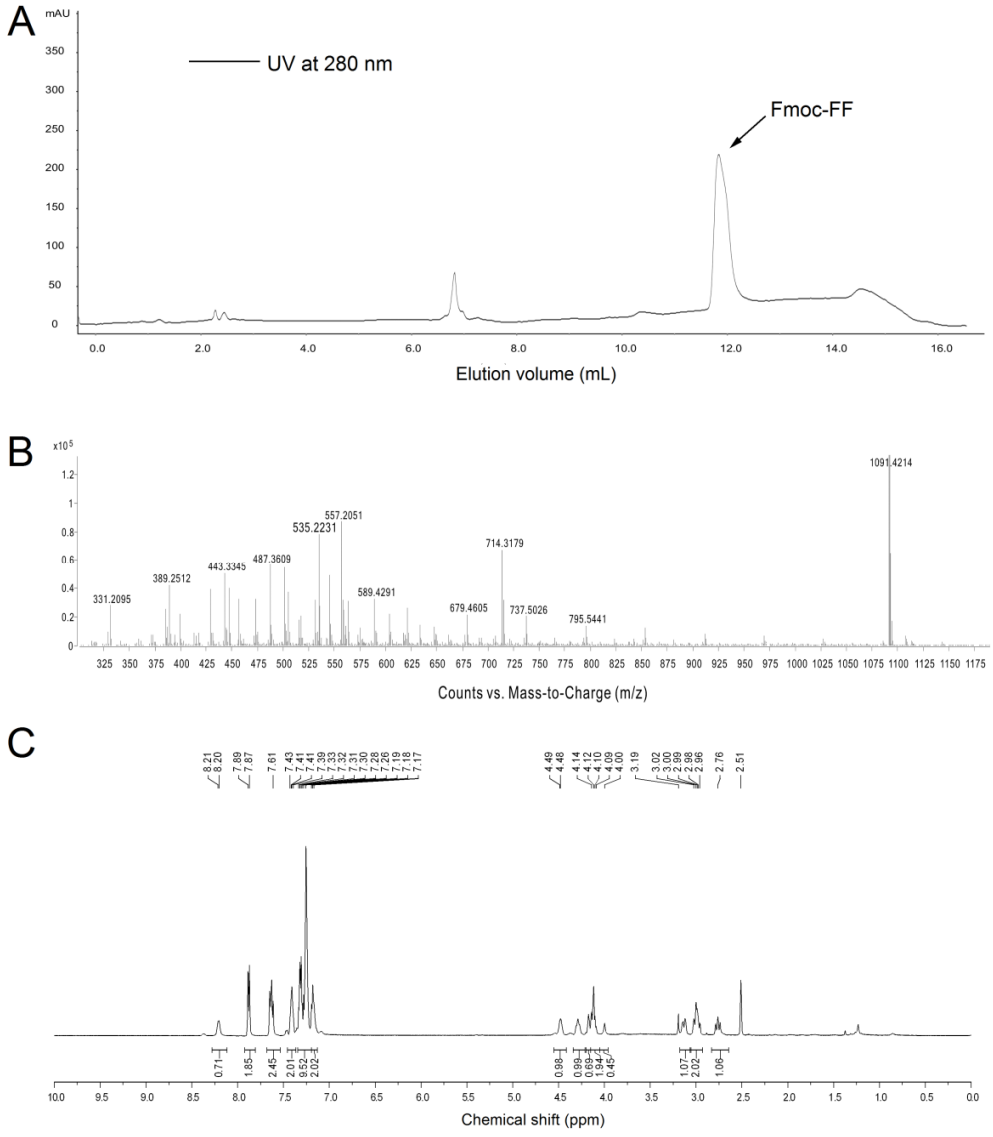

Figure S1. Characterization of Fmoc-FF. A) HPLC trace using a reverse-phase C18 column and a water:CH_3CN gradient (with 0.1%TFA in both phase). B) ESI mass spectrum. C) ^1H NMR.

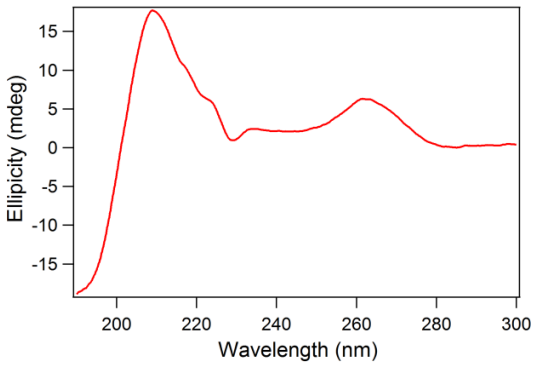

Figure S2. CD spectrum of Fmoc-FF colloid solution (5 mg mL^{-1}).

Figure S3. Photographs of Fmoc-FF hydrogel prepared by the colloid method using 3 equivalent Na_2CO_3 with a pH paper on top of the hydrogel. (The pH of the hydrogel can be as high as 9.)

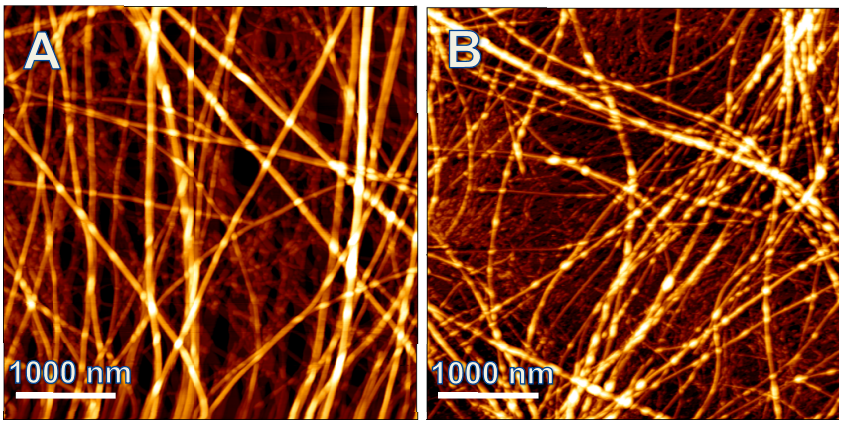

Figure S4. AFM images of Fmoc-FF hydrogel prepared using the $K_2S_2O_8$ method at room temperature (A) and 90 °C (B).

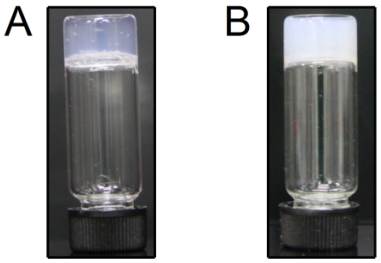

Figure S5. Photographs of Fmoc-FF hydrogels prepared by the DMSO method (A)and the HCl method (B).

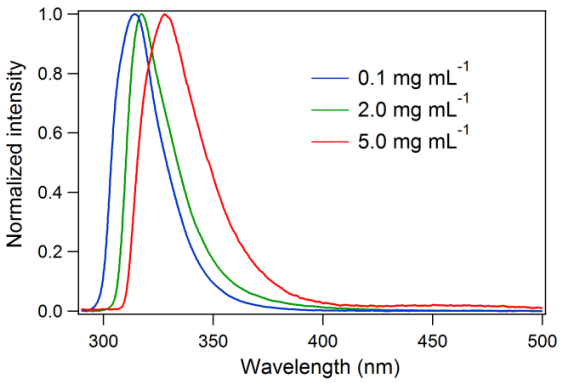

Figure S6. Florescence emission spectra of Fmoc-FF in diluted solution (0.1 mg mL^{-1} and 2 mg mL^{-1}) and in hydrogel (5 mg mL^{-1}) prepared using the colloid method. (Excited at 280nm)

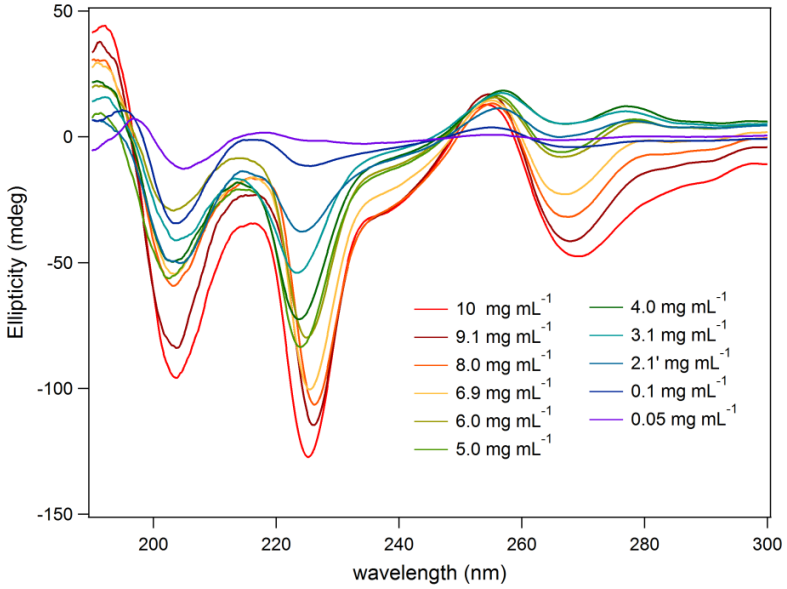

Figure S7. CD spectra of Fmoc-FF at different concentrations. The Fmoc-FF samples were first prepared using the colloid method to form a hydrogel (10 mg mL^{-1}) and then diluted to the desired concentrations.