

Supporting Information

Aromaticity of Phenyl Ring Imports the Thermal Stability to Supramolecular Hydrogel obtained from Low Molecular Weight Compound

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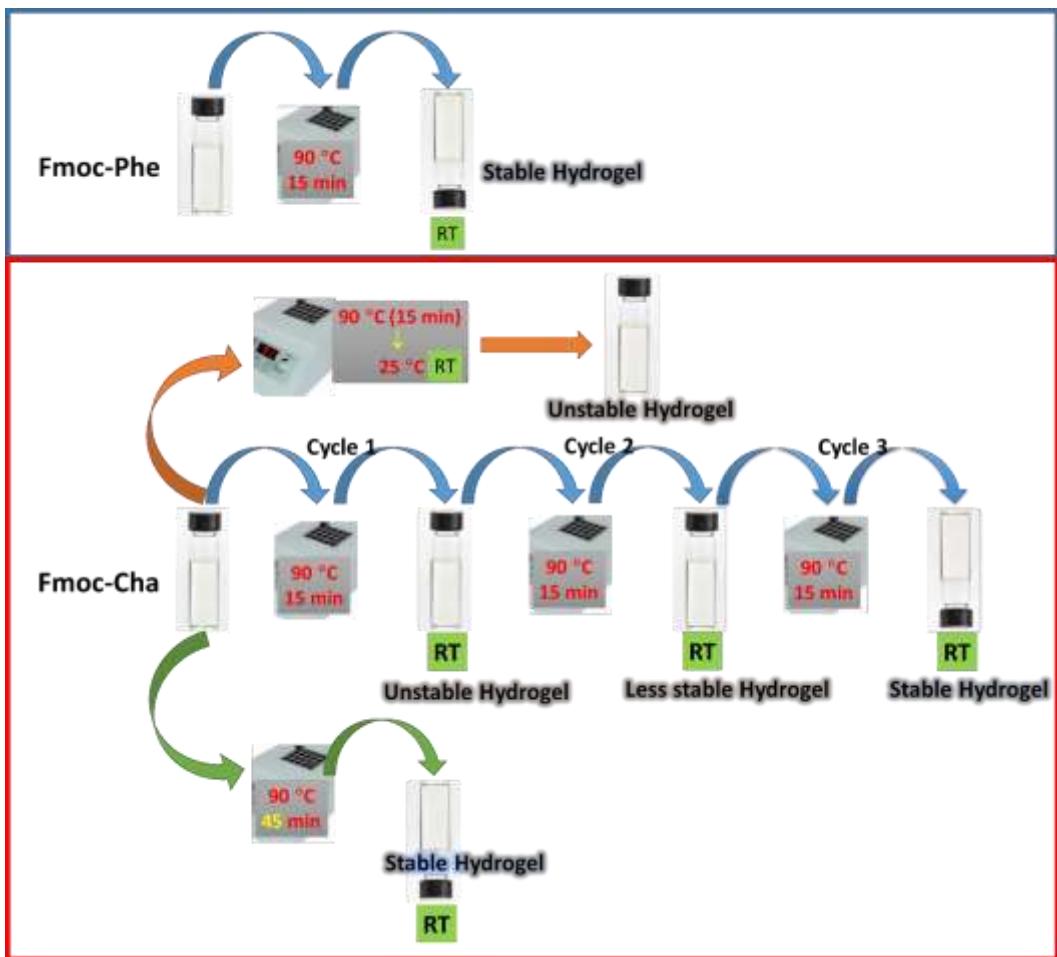


Figure S1 A cartoon diagram illustrating the method employed for the hydrogelation of Fmoc-Phe (Top) and Fmoc-Cha (Bottom).

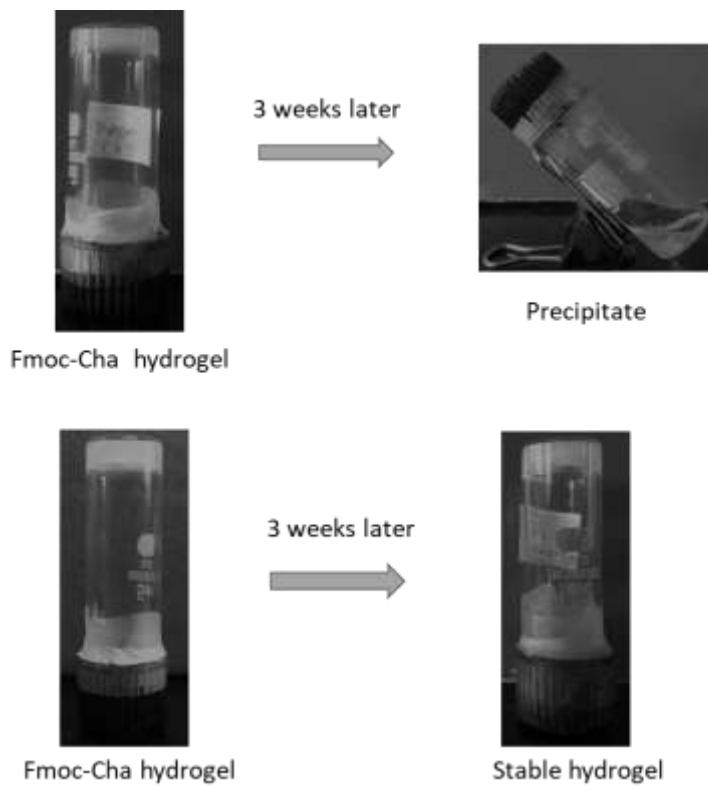


Figure S2 (Top) Fmoc-Cha annealed hydrogel obtained after heating at 90 °C for 10 min followed by cooling to 27 °C in the dry block heater gradually (left) and after 3 weeks at RT (right). (Bottom) Digital images of Fmoc-Cha hydrogel obtained after heating at 90 °C for 45 min followed by cooling to 27 °C (left) and after 3 week incubation at RT (right).

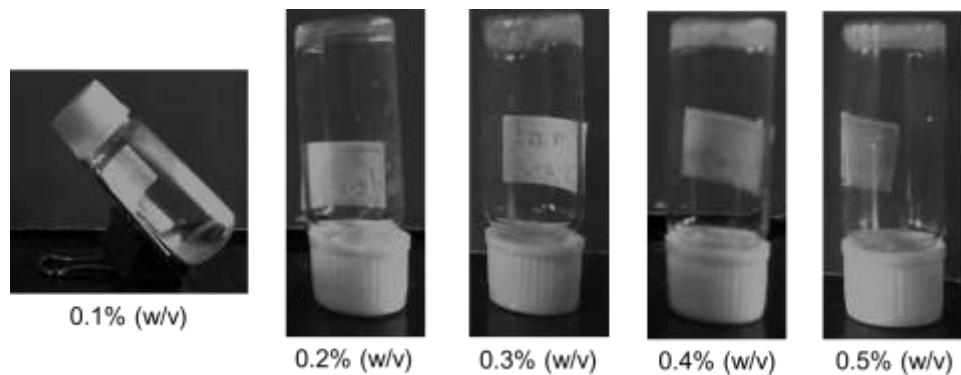


Figure S3 Digital images (vial inverted) of Fmoc-Cha at different concentrations and after 3rd cycle annealing.

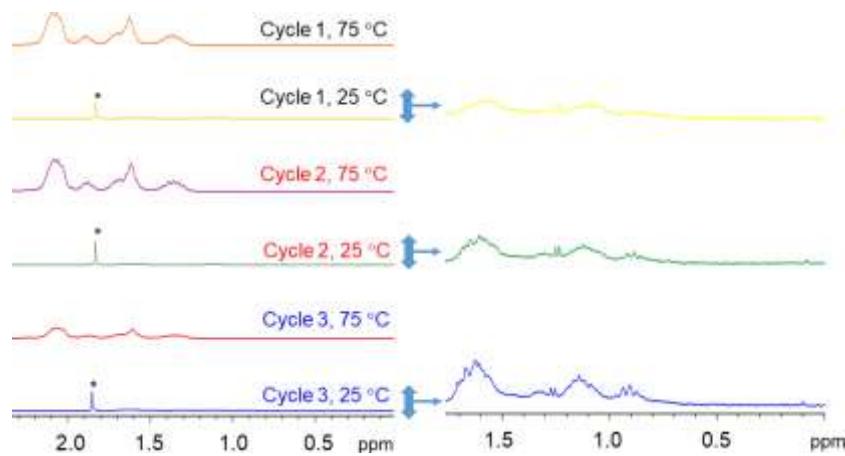


Figure S4 (Left panel) Temperature dependent ^1H NMR spectra (aliphatic region) of Fmoc-Cha at different annealing cycles. (Right panel) An expanded (Y-axis) spectra of corresponding spectra shown in left panel. * Residual methyl proton of acetone (solvent impurity).

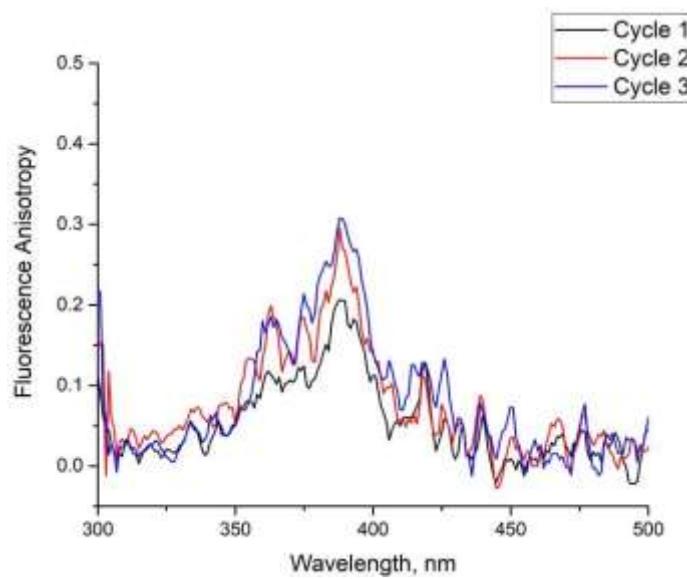


Figure S5 Steady state fluorescence anisotropy of Fmoc-Cha hydrogels formed at different annealing cycles.