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Fabrication of multi-stimuli responsive supramolecular hydrogels based on host—guest inclusion complexation of tadpole-shaped cyclodextrin derivative with azobenzene dimer

Xing Wang,‡<sup>a</sup> Juan Wang,‡<sup>a</sup> Yanyu Yang,<sup>a,b</sup> Fei Yang,<sup>a,b</sup> and Decheng Wu<sup>\*a,b</sup>

<sup>&</sup>lt;sup>a</sup> Beijing National Laboratory for Molecular Sciences, State Key Laboratory of Polymer Physics & Chemistry, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, China

<sup>&</sup>lt;sup>b</sup> University of Chinese Academy of Sciences, Beijing 100049, P.R. China E-mail: dcwu@iccas.ac.cn

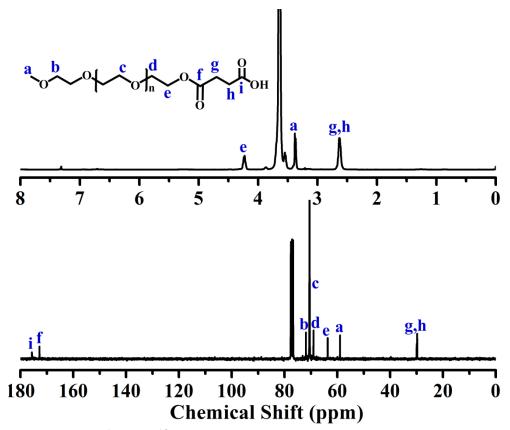


Fig. S1 <sup>1</sup>H and <sup>13</sup>C NMR spectra of PEG-COOH at CDCl<sub>3</sub>.

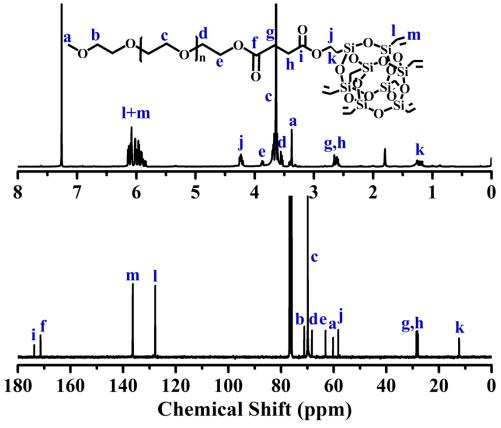


Fig. S2 <sup>1</sup>H and <sup>13</sup>C NMR spectra of PEG-POSS-(vinyl)<sub>7</sub> at CDCl<sub>3</sub>.

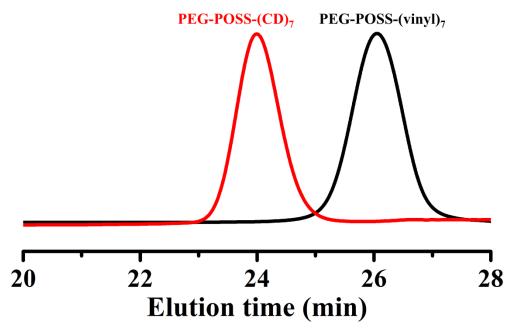


Fig. S3 GPC curves of the PEG-POSS-(vinyl)<sub>7</sub> and PEG-POSS-(CD)<sub>7</sub> polymers.

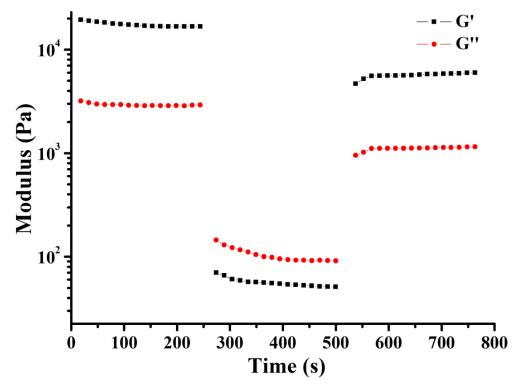


Fig. S4 The step strain experimental data obtained from the Gel-2.