Supporting Information

Voltage-Responsive Micelles Based on Assembly of Two

Biocompatible Homopolymers

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1. ¹H NMR and FT-IR spectra of PEG-MAh

The structure of PEG-MAh was characterized by ¹H NMR and FT-IR and the results are shown in supplemental Fig. 1.

2. GPC characterization of PEG-MAH and PEG-β-CD

The GPC characterization of PEG-MAh and PEG- β -CD are shown in supplemental Fig. 2.

3. 2D NOESY NMR spectra

The 2D NOESY NMR spectra of PEG- β -CD and FcCH₂OH, PEG- β -CD and PLLA-Fc are shown in supplemental Fig. 3 and supplemental Fig. 4.



Fig. S1 (a)¹H NMR spectrum of PEG-MAh (Solvent: CDCl₃); (b)FT-IR spectrum of PEG-MAh (KBr, cm⁻¹)





Fig. S3 2D NOESY NMR spectrum of PEG-β-CD and FcCH₂OH (left, solvent: DMSO-*d*₆) and their structures (right)



Fig. S4 2D NOESY NMR spectrum of PEG- β -CD and PLLA-Fc (left, solvent: DMSO- d_6) and their structures (right)