Highly pH-Sensitive Polyurethane Exhibiting Shape Memory and Drug Release

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Support information:

FT-IR spectra of PEG4000-MDI-BIN is presented in Figure S1.

$^1$H NMR of PEG4000-MDI-BIN is presented in Figure S2.

The DSC results of PEG4000-MDI-BIN are presented in Figure S3.

The effect of water on the hydrogen bond in polyurethane SMP is shown in Figure S4.

The effect of $H^+$ on the hydrogen bond in polyurethane SMP is shown in Figure S5.

A video of the shape fixity and recovery procedure video in acid and base is shown in Movie S1.
Figure S1. FT-IR spectra of PEG4000-MDI-BIN.
Figure S2. $^1$H NMR of PEG4000-MDI-BIN.
Figure S3. DSC results of PEG4000-MDI-BIN.
Figure S4. Effect of water on the hydrogen bond in polyurethane SMP.
Figure S5. Effect of $H^+$ on the hydrogen bond in polyurethane SMP.
Movie S1. pH-induced shape memory recovery process.