

Supporting Information

Folate-conjugated poly(*N*-(2-hydroxypropyl) methacrylamide-co-methacrylic acid) nanohydrogels with pH/redox dual-stimuli response for controlled drug release

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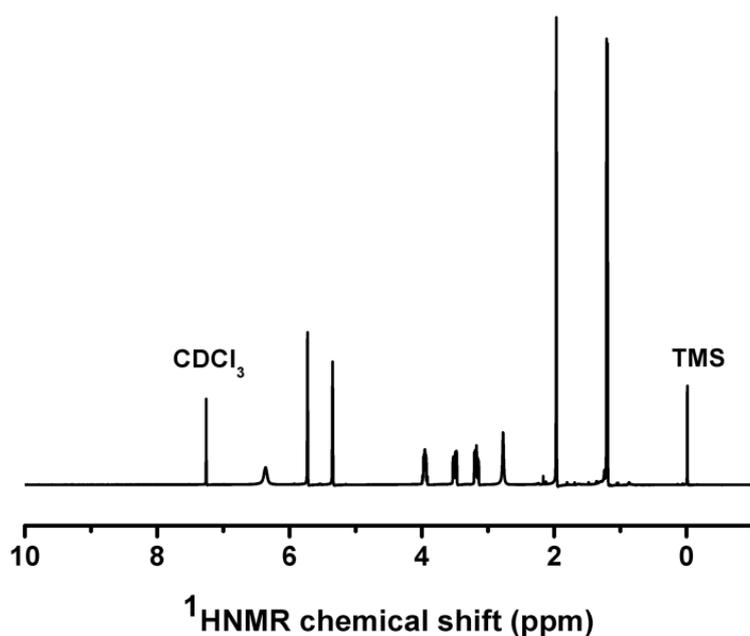


Figure S1. ¹H NMR spectra of HPMA.

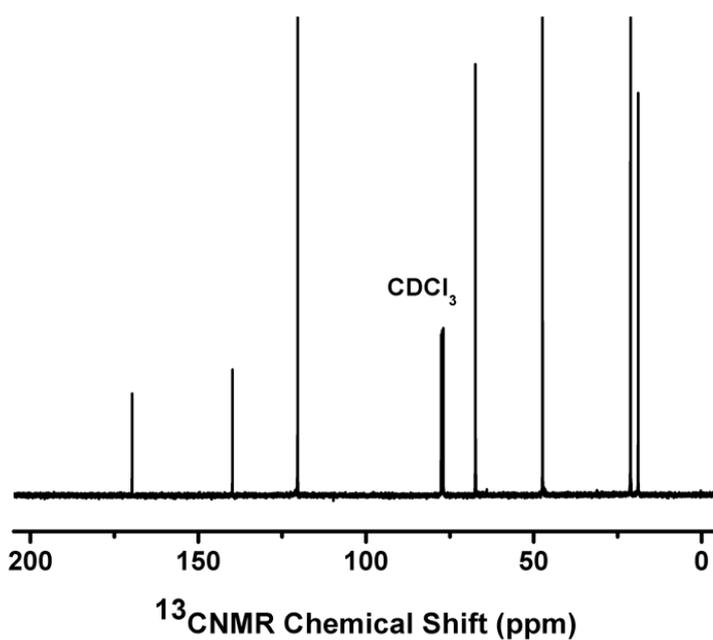


Figure S2. ^{13}C NMR spectra of HPMA.

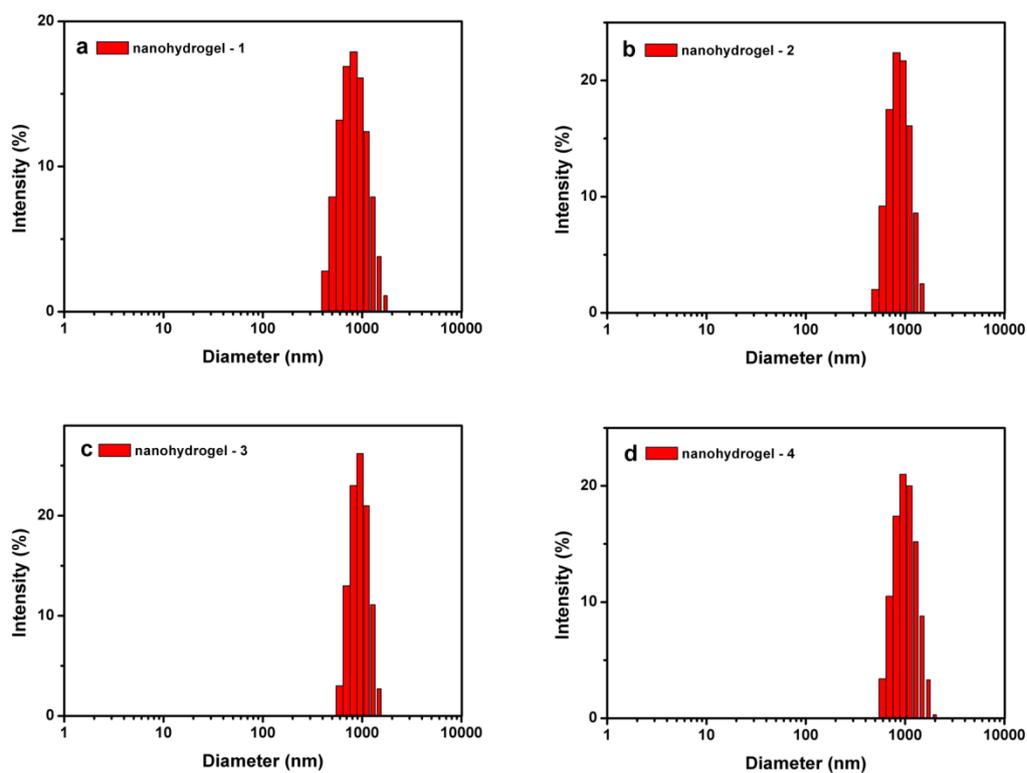


Figure S3. The DLS curves of P(HPMA-co-MAA) nanohydrogels with different HPMA contents: (a) 0 wt%, (b) 20 wt%, (c) 30 wt% and (d) 40 wt%.

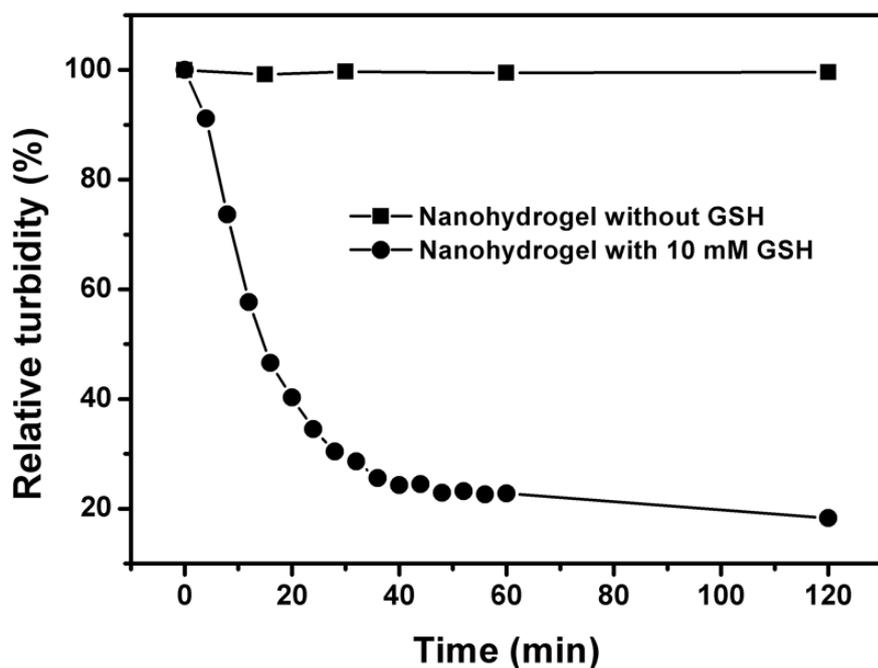
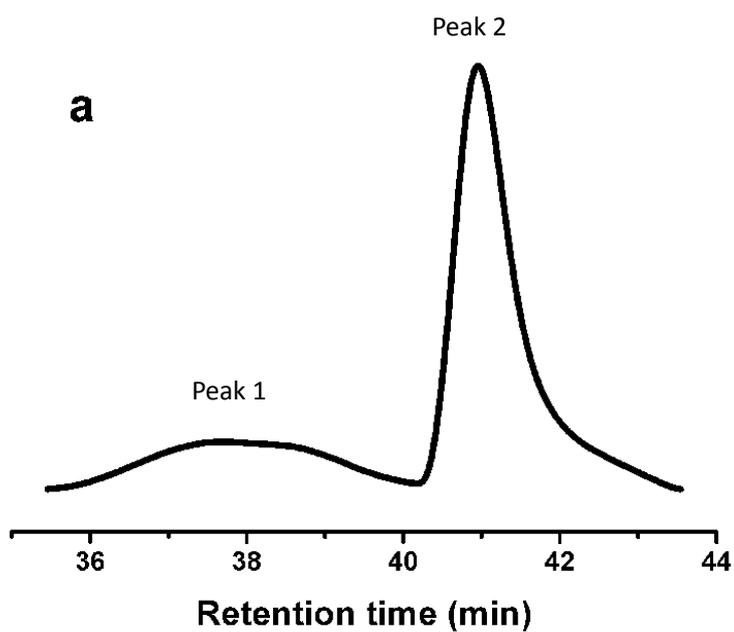


Figure S4. The curves of redox-induced (10 mM GSH) nanohydrogel degradation by turbidity measurement: (a) P(HPMA-co-MAA) (40% HPMA) without adding GSH, (b) P(HPMA-co-MAA) (40% HPMA) with 10 mM GSH.



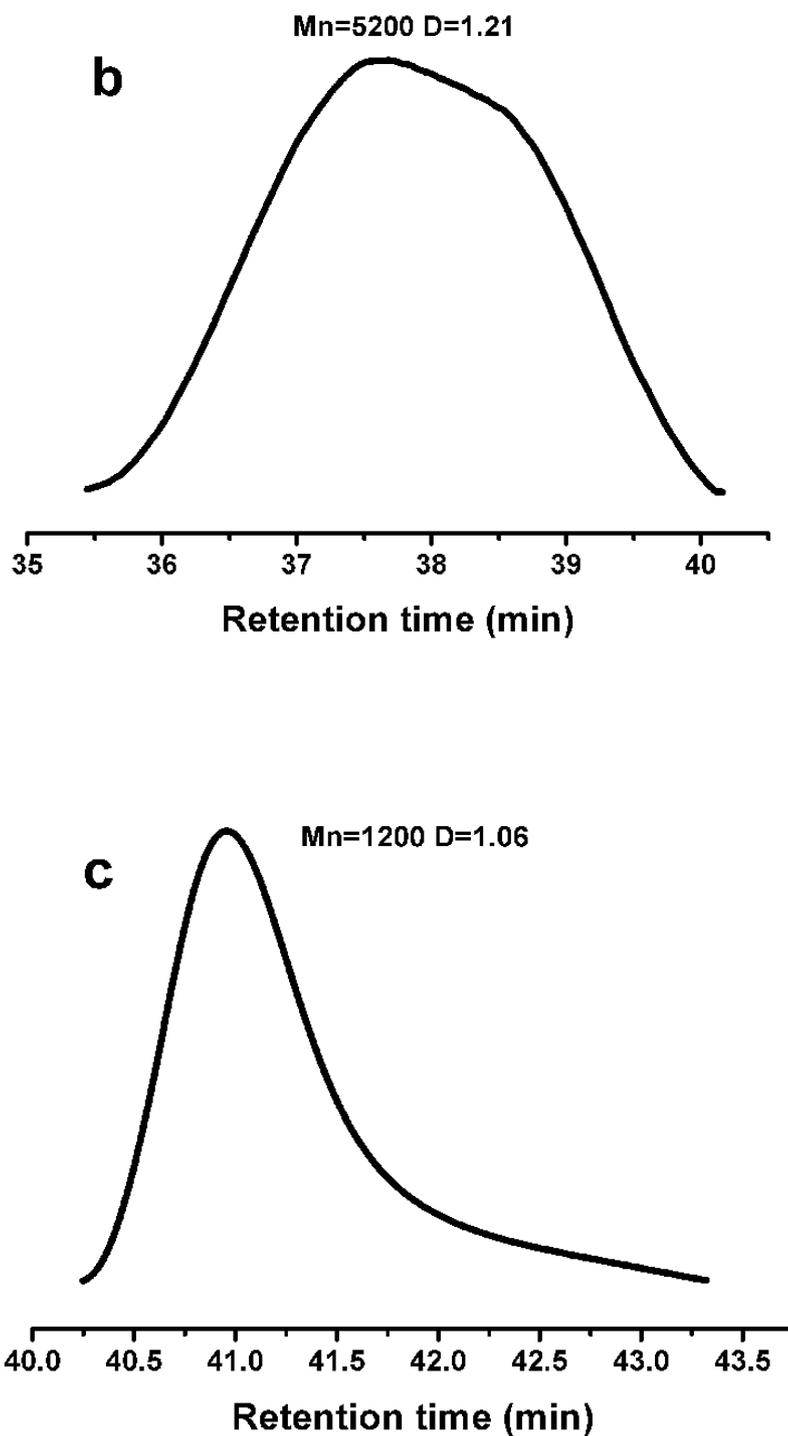


Figure S5. The GPC curves of the redox degradation of disulfide-containing P(HPMA-co-MAA) nanohydrogels (40% HPMA): (a) total peak, (b) peak 1, (c) peak 2, in the presence of GSH (10 mM), here D value in figures is polydispersity index ($PDI=M_w/M_n$).