

Supporting Information

Synthesis and self-assembly of bioconjugates composed of thermal-responsive polymer chains and pendant lysozyme molecules

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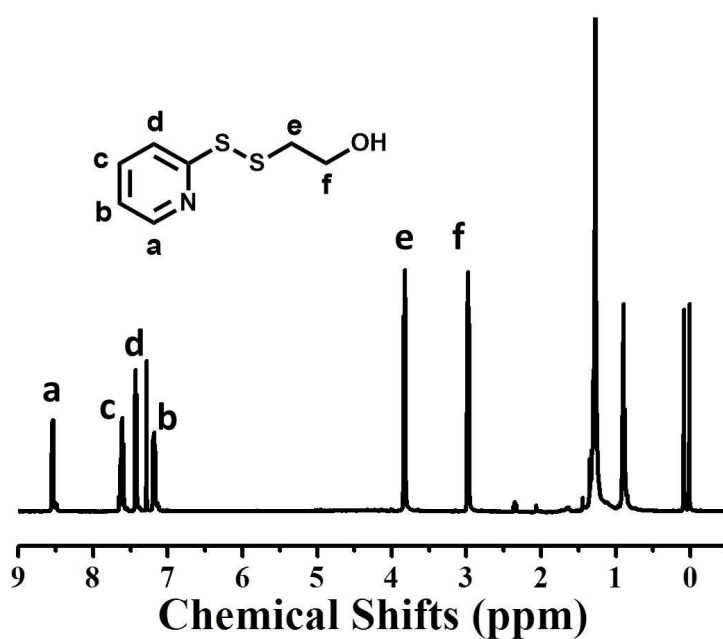


Fig. S1 ¹H NMR spectrum of 2-(pyridine-2-yl)disulfanyl ethanol in CDCl₃.

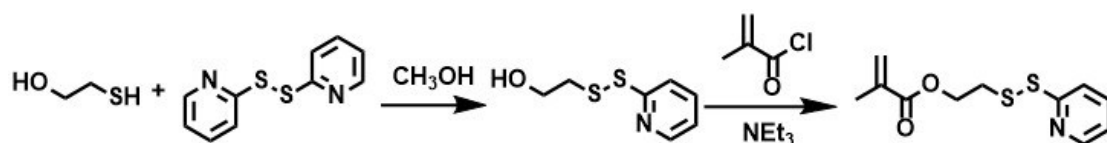


Fig. S2 Scheme for the synthesis of 2-(pyridine-2-yl) ethyl methacrylate (PDSMA).

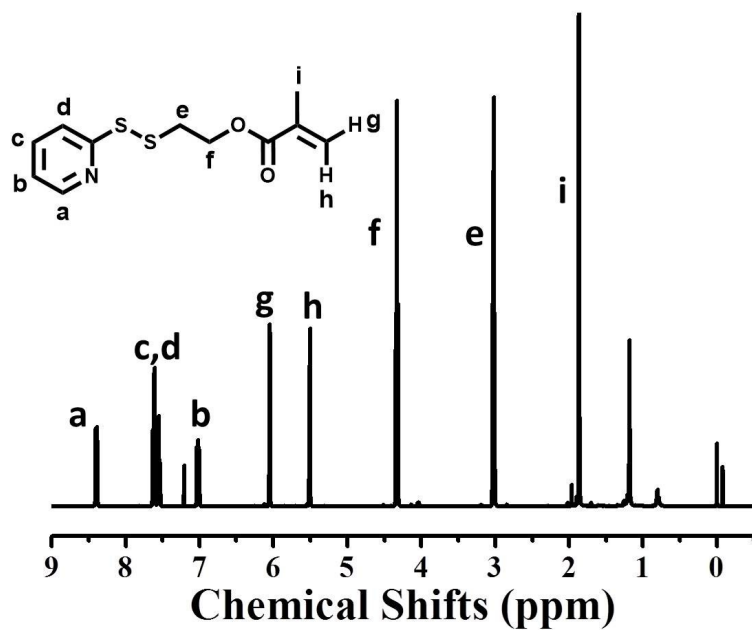


Fig. S3 ^1H NMR spectrum of 2-(pyridine-2-yl)disulfanyl ethyl methacrylate (PDSMA) in CDCl_3 .

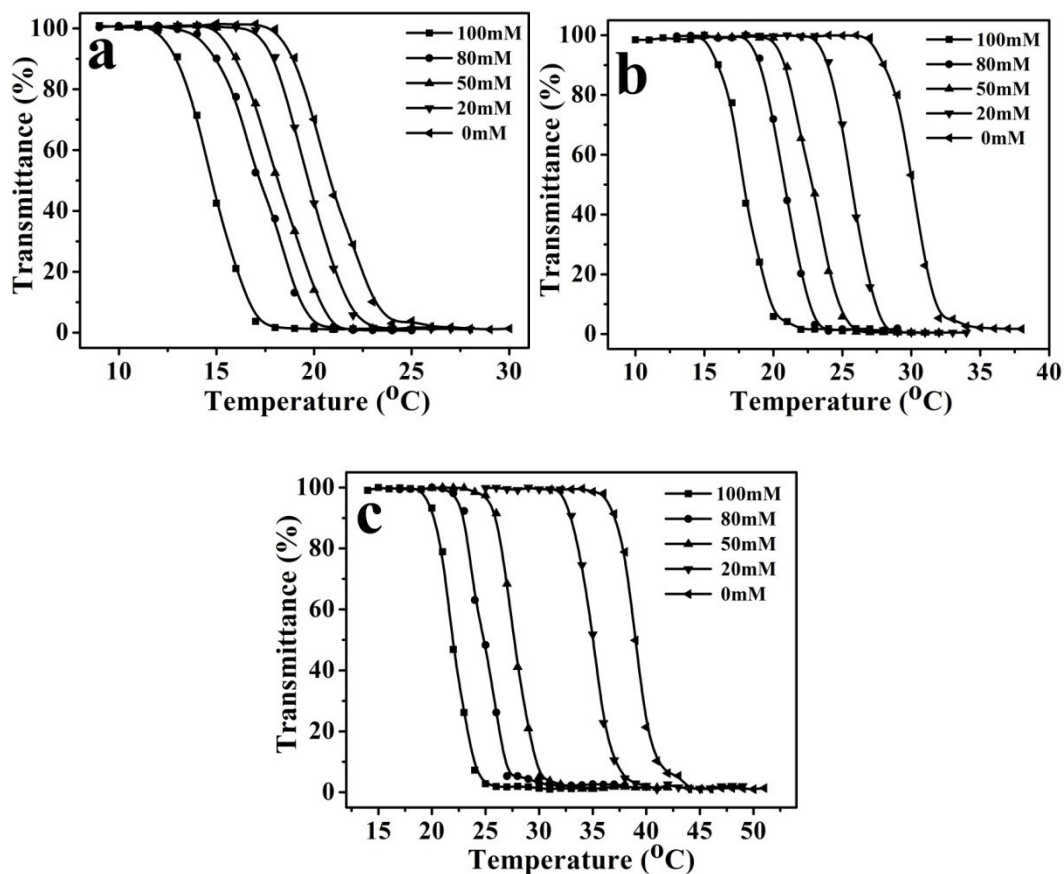


Fig. S4 (a) Plots of transmittances of poly(DEGMA₂₅₀-co-PDSMA₁₂) copolymer vs temperatures at different PBS concentrations, (b) Plots of transmittances of G-1 vs temperatures at different PBS concentrations, (c) Plots of transmittances of G-2 vs temperatures at different PBS concentrations.

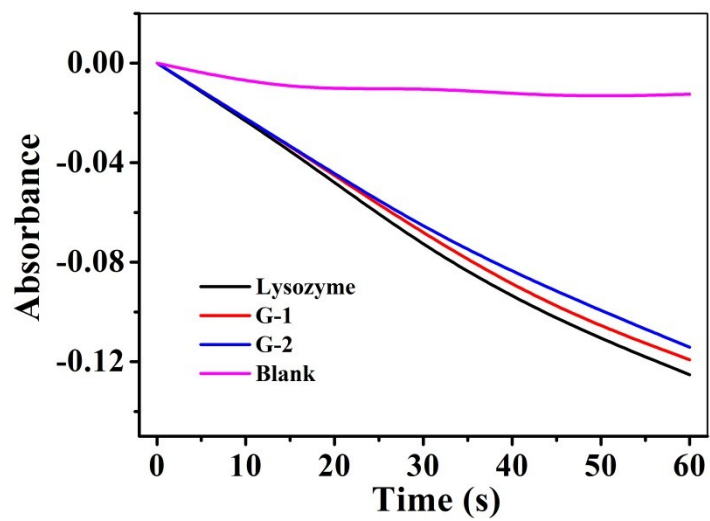


Fig. S5 Plots of absorbances of the solutions at 450 nm versus reaction time at 25 °C.