

Synthesis and Thermo- / pH- Dual Responsive Properties of Poly(amidoamine) Dendronized Poly(2-hydroxyethyl) Methacrylate

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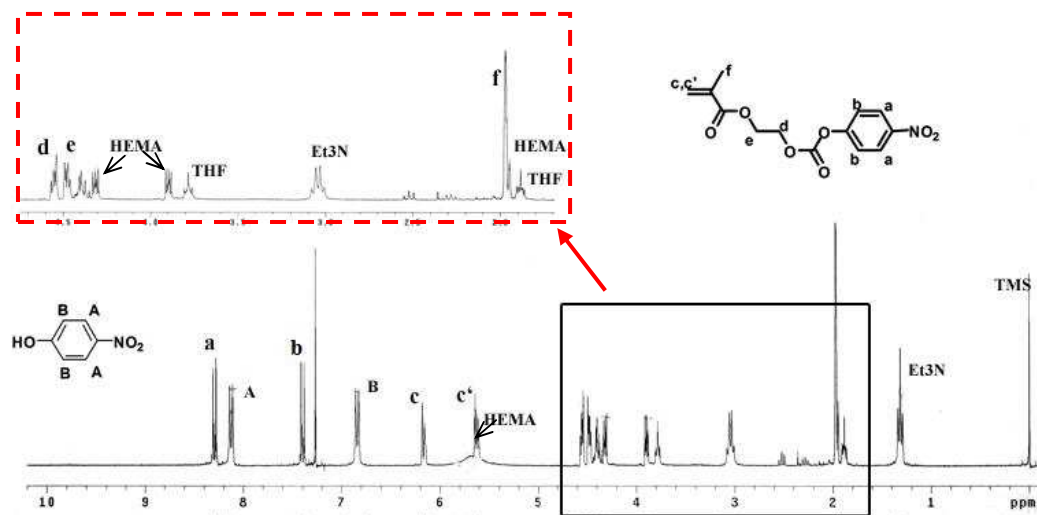


Figure S1. ^1H NMR spectrum of 2-((4-nitrophenoxy)carbonyloxy)ethyl methacrylate (**1**, unpurified) in CDCl_3 with TMS as internal standard at 300 MHz.

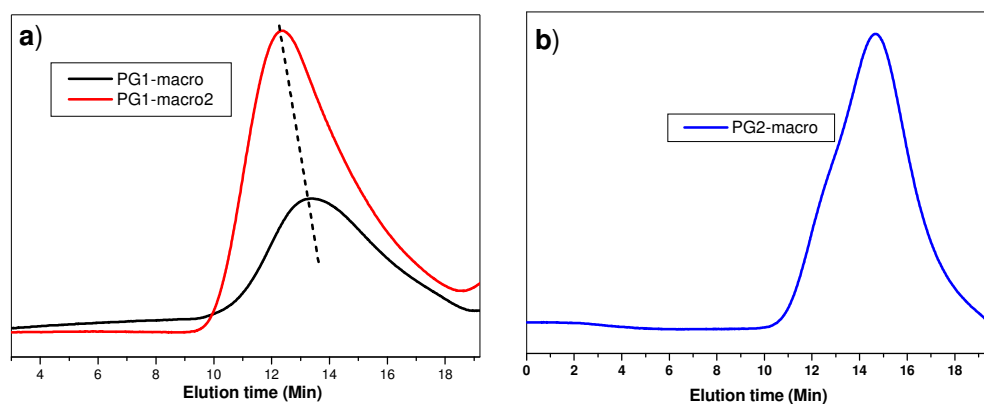


Figure S2. GPC traces for (a) **PG1-macro** (black line) and **PG1-macro2** (red line), and (b) **PG2-macro** with DMF containing 0.05 wt% LiBr as the eluent.

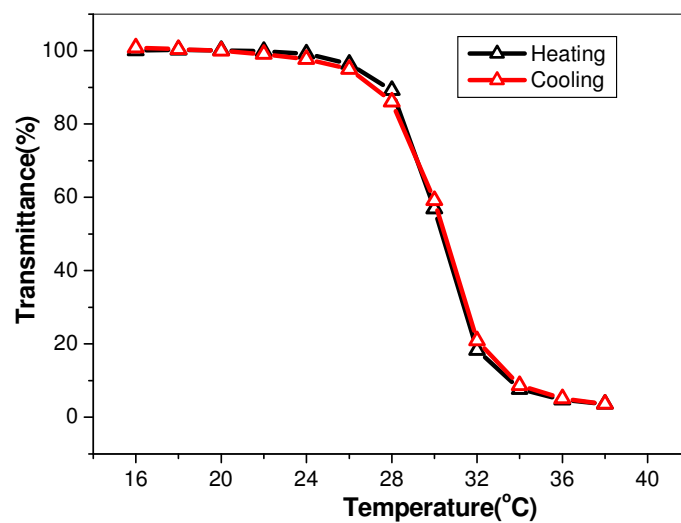


Figure S3. The plots of transmittance vs. temperature for **PG2-macro** solution (pH = 7.4) during one heating and cooling cycle.

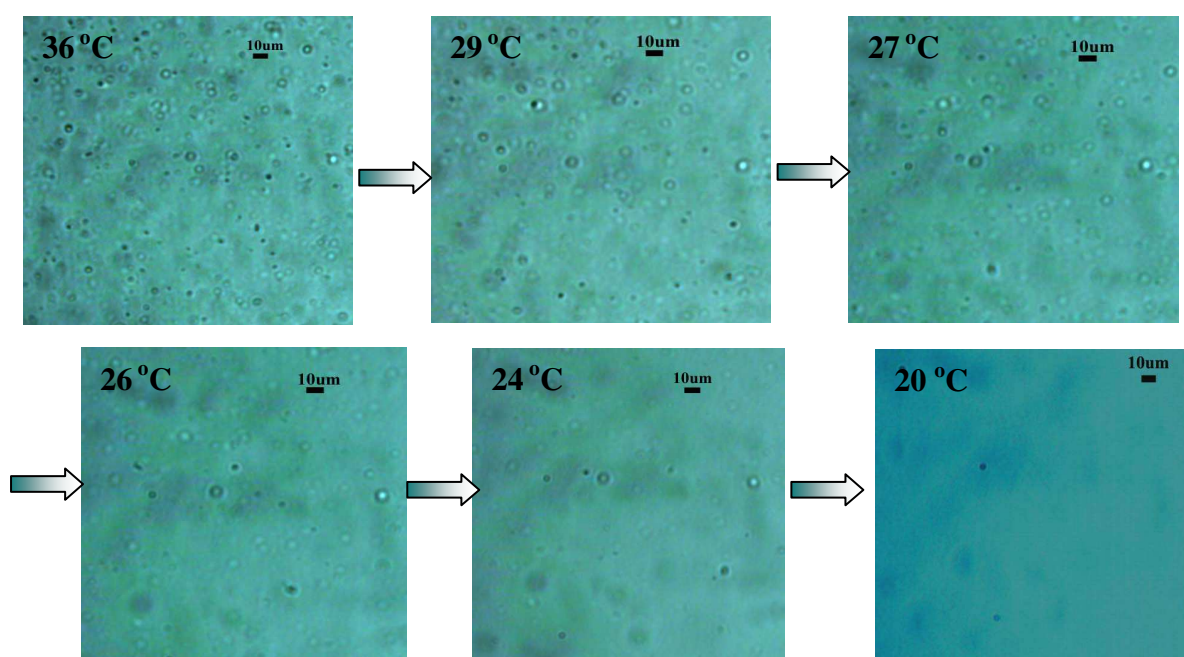


Figure S4. A series of optical micrographs of **PG2-macro** solution (pH = 7.4) in the process of cooling (from 36 to 20 °C) at the rate of 2 °C/min. The concentration of the solution is 1.0 mg mL⁻¹.

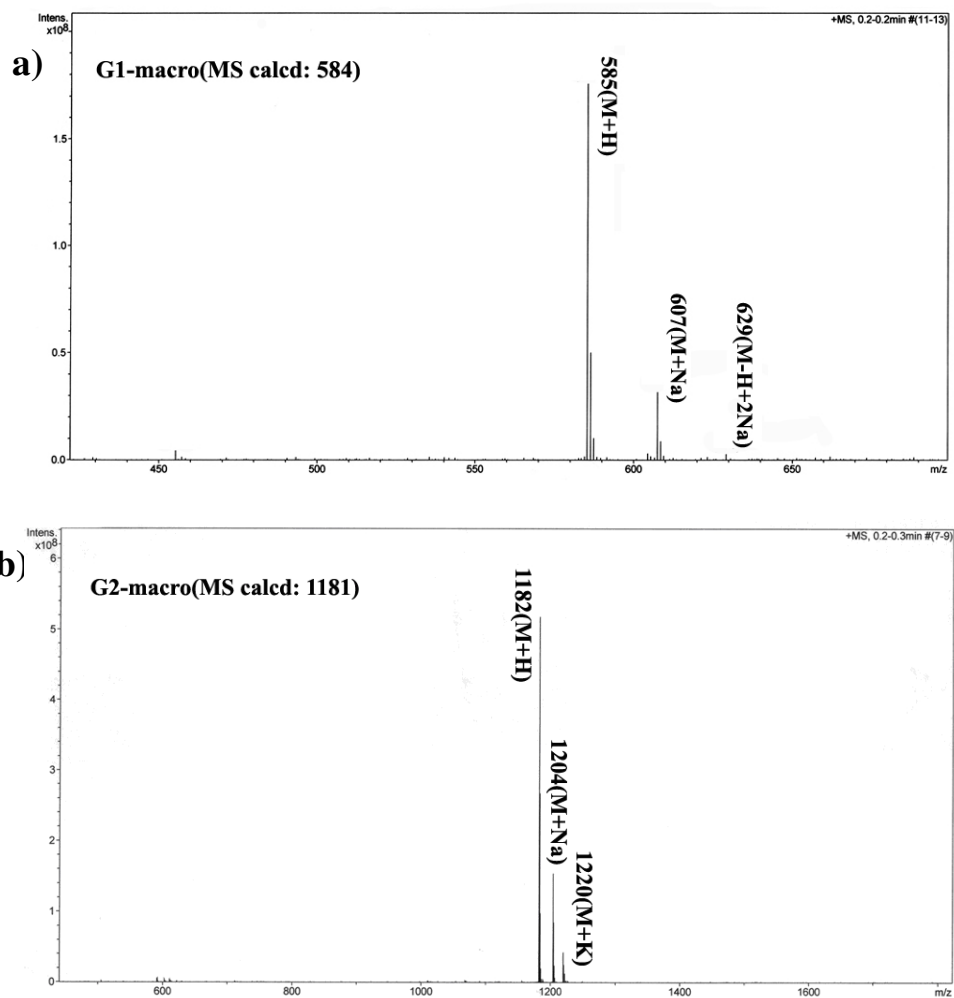


Figure S5. The ESI MS spectra of (a) **G1-macro** and (b) **G2-macro**.