

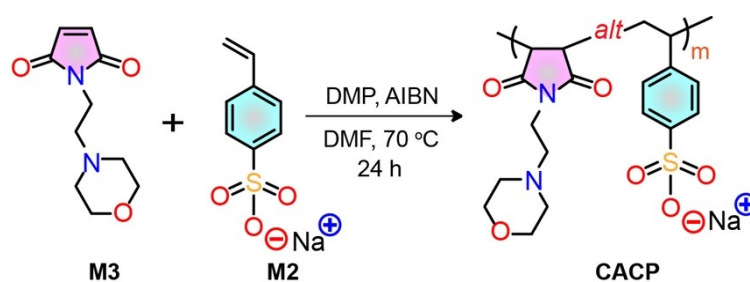
Supporting Information for

Thermoresponsive Alternating Copolymers with Tunable UCST Behavior in Aqueous Medium

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Scheme S1. Scheme for the synthesis of CACP control polymer.

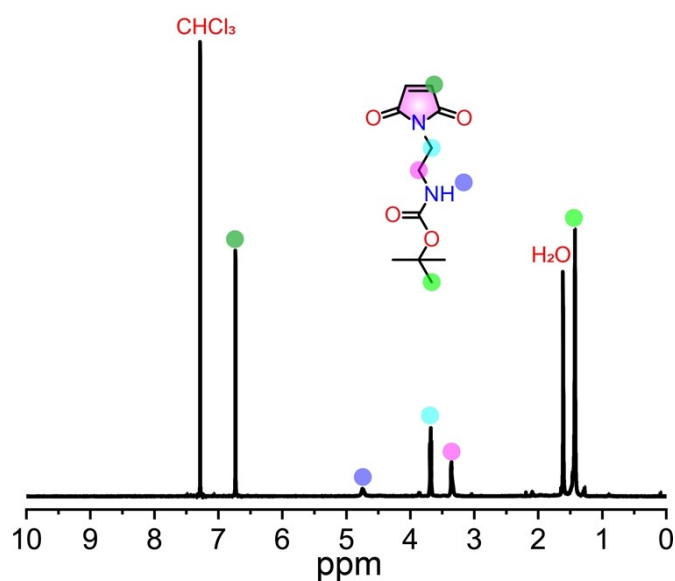


Fig. S1 ^1H NMR spectrum of M1 in CDCl_3 .

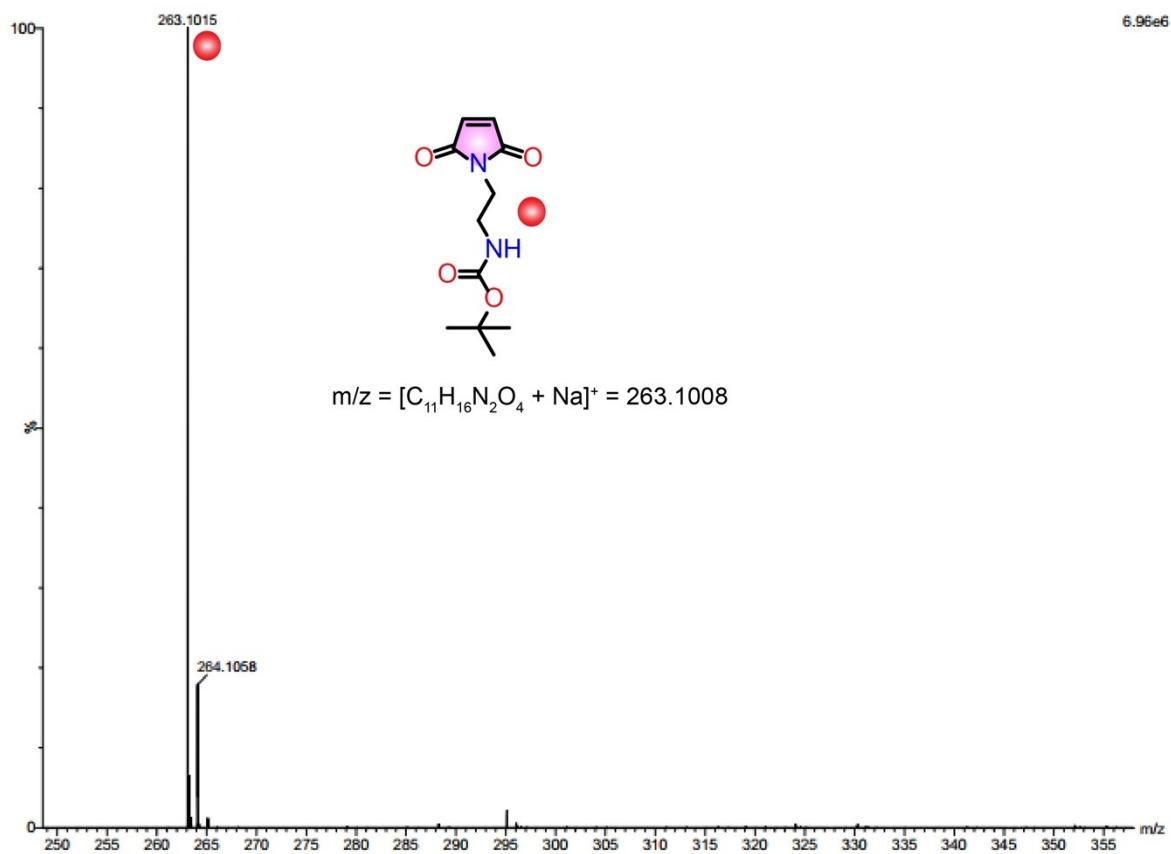


Fig. S2 HRMS spectrum of **M1** in methanol.

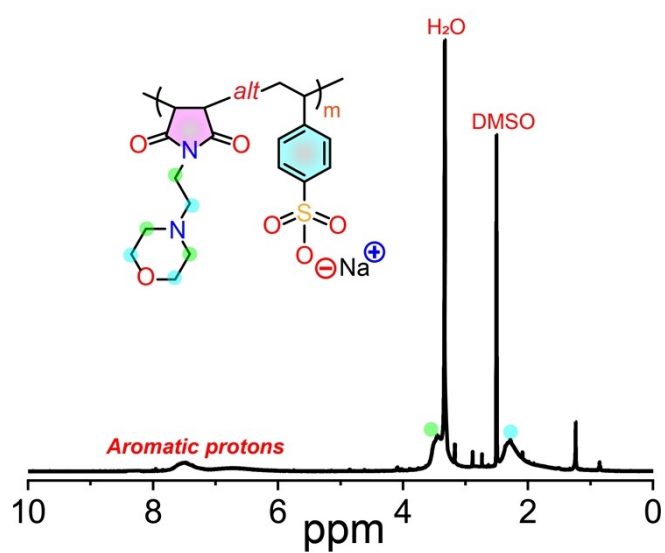


Fig. S3 ¹H NMR spectrum of **CACP** in DMSO-*d*₆.

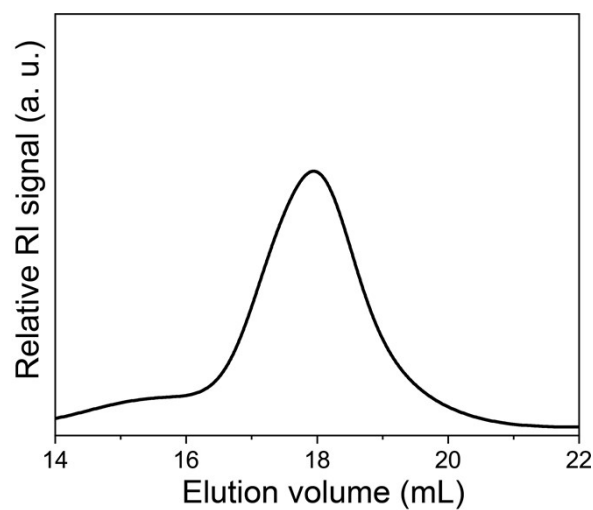


Fig. S4 SEC RI trace of CACP.

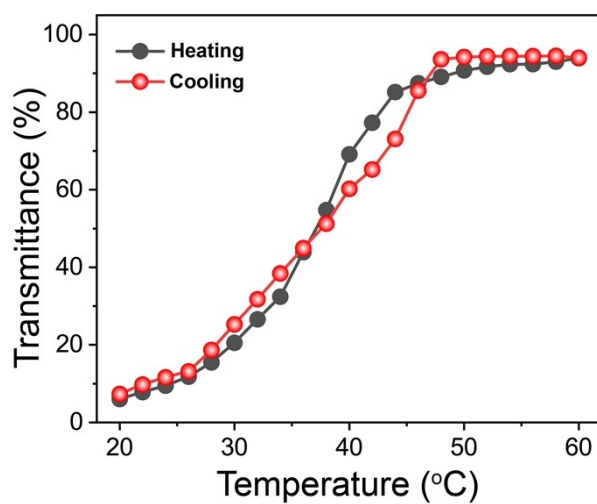


Fig. S5 Heating and cooling curves of ACP2 solution (0.4 wt%) at pH 7.4.

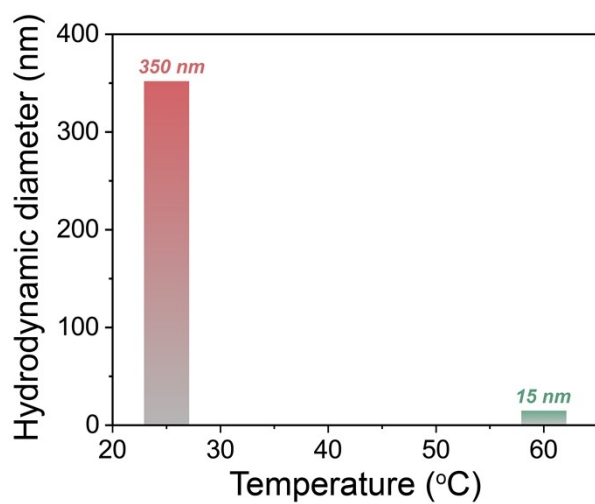


Fig. S6 Size of particles in ACP2 solution (0.1 mg/ mL) in water under heating and cooling conditions.

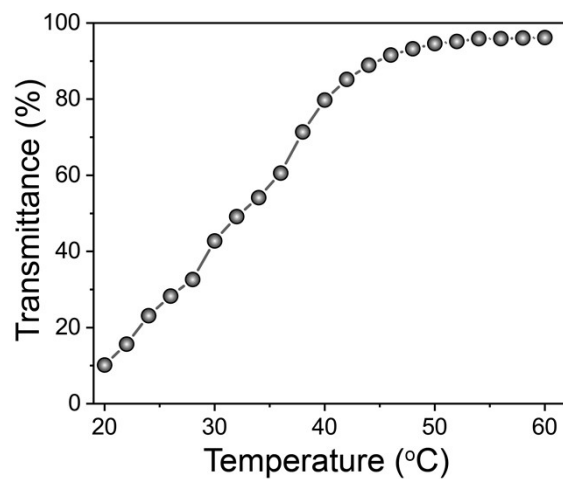


Fig. S7 Temperature-dependent transmittance changes of **ACP1** (0.4 wt%) solution in PBS buffer.

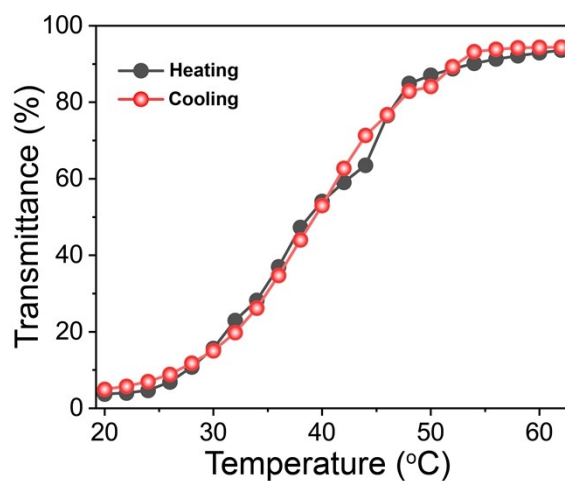


Fig. S8 Heating and cooling curves of **CACP** solution (0.2 wt%) at pH 3.

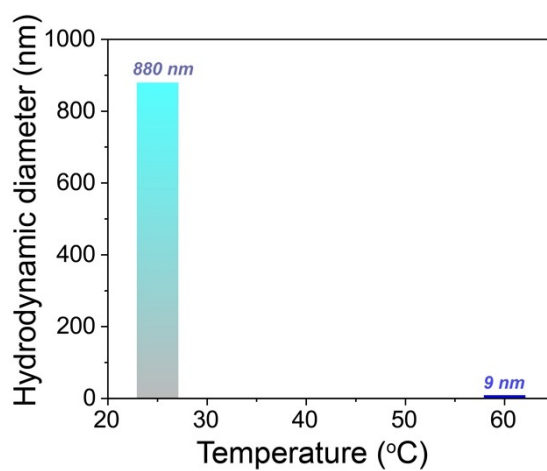
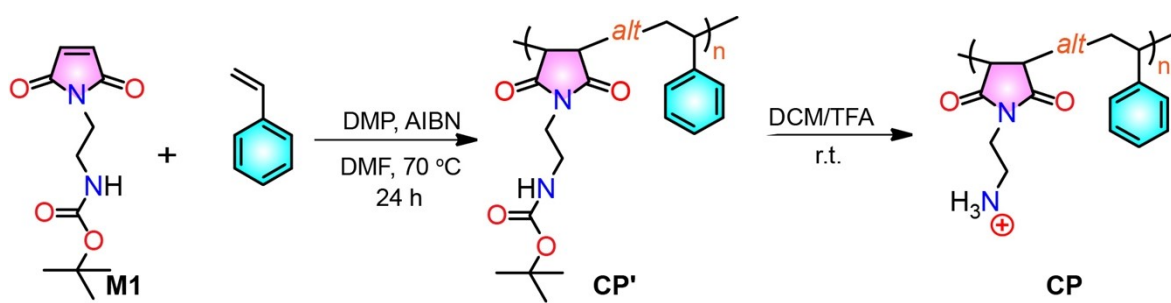


Fig. S9 Size of particles in **CACP** solution (1 mg/ mL) in water under heating and cooling conditions.



Scheme S2. Scheme for the synthesis of **CP** control polymer.

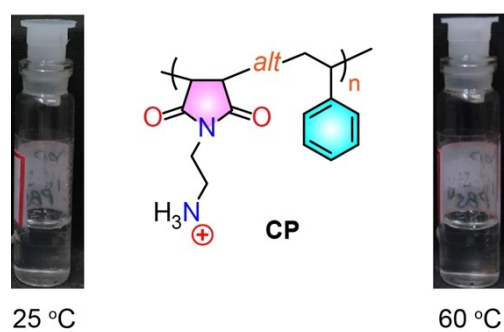


Fig. S10 Temperature-responsive of **CP** (0.5 wt%) solution in PBS buffer.