

Supplementary Information

Tunable mechanical properties and phase transitions in nanoconfined polyelectrolyte UCST hydrogels

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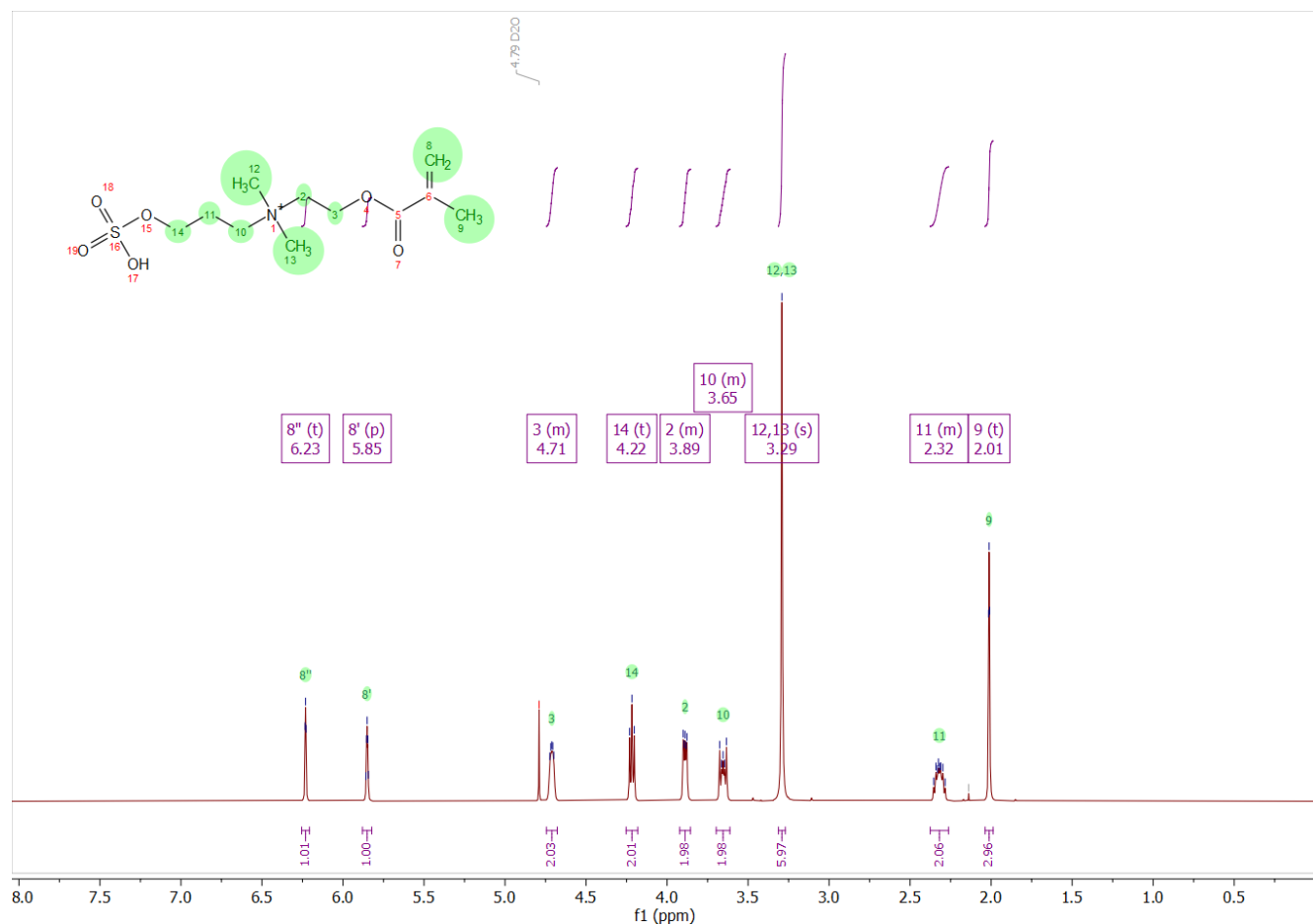


Figure S1. ^1H NMR spectrum of ZB monomer.

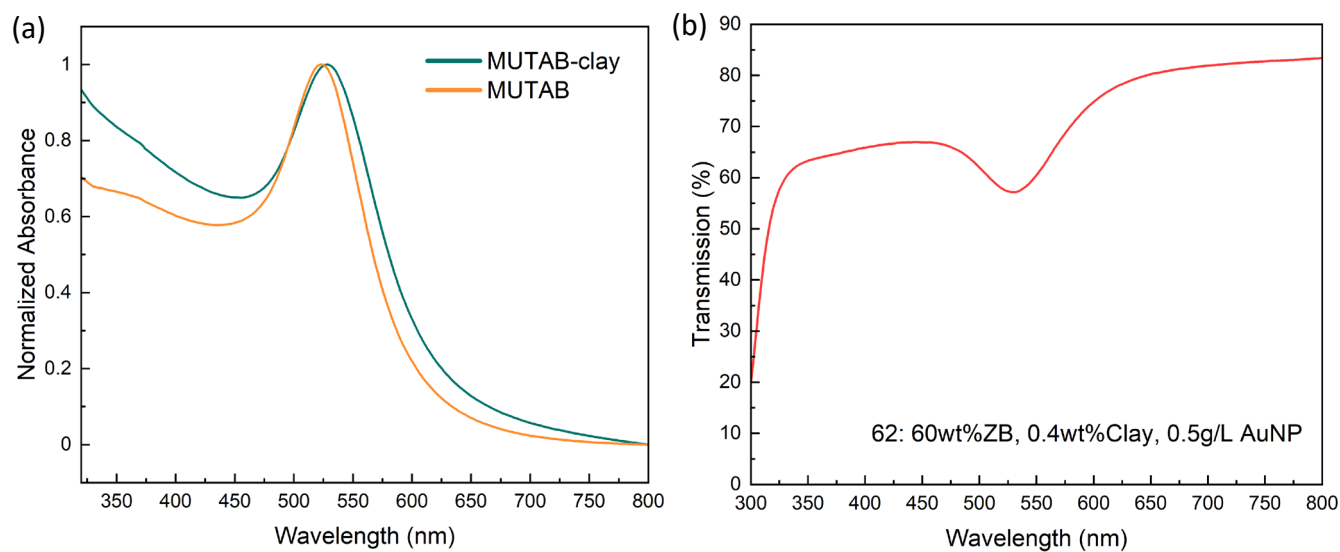


Figure S2. UV-Vis absorbance spectra of cationic AuNP in MQ solution and in presence of nanoclay (a). b) Full spectrum of a hydrogel with incorporated AuNPs.

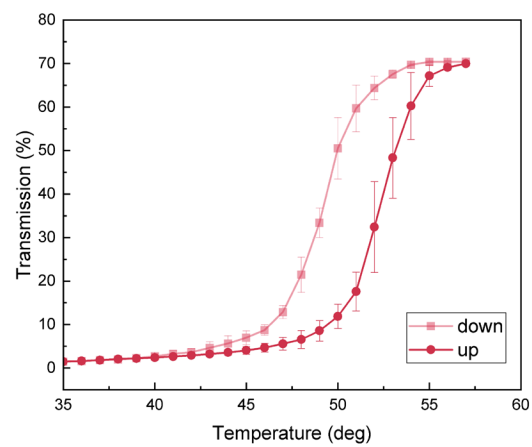


Figure S3. UV-Vis analysis of the phase transition behavior of ZB₆₀-clay_{1.6}-AuNP pre-conditioned at 56°C.