

Development of a self-healing gel which self-healing kinetics can be controlled by heat.

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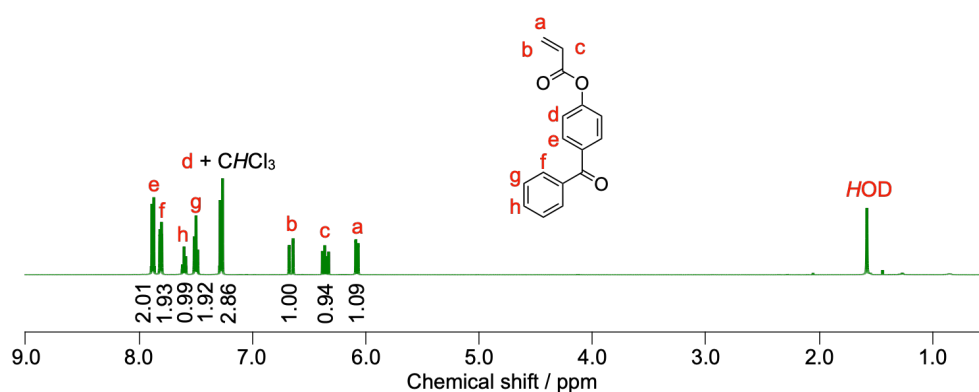


Figure S1. ¹H NMR (500 MHz, CDCl₃, r.t.) spectrum of 4-acryloylbenzophenone (BP).

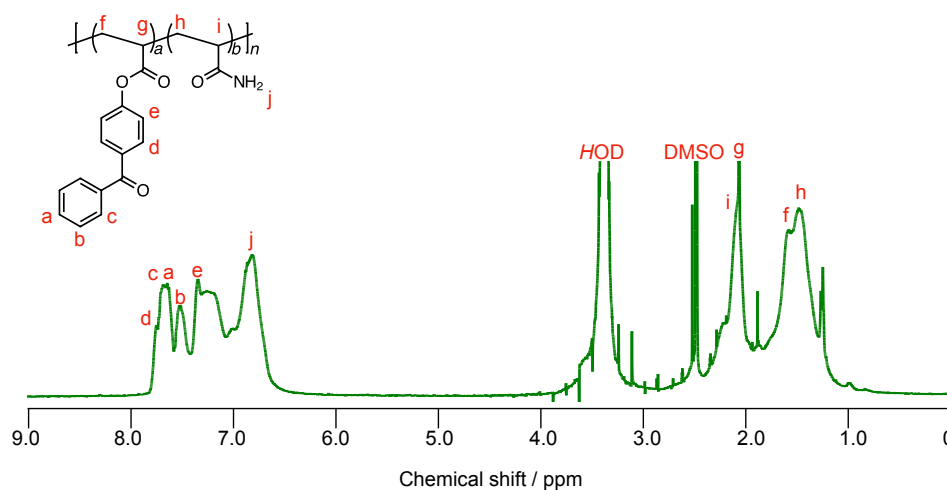


Figure S2. ¹H NMR (500 MHz, DMSO-*d*₆, r.t.) spectrum of BP polymer (10 : 90 (mol:mol)).

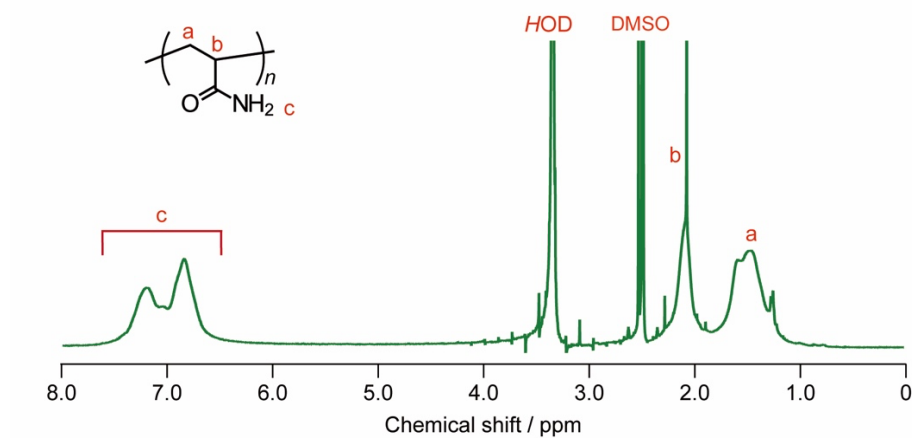


Figure S3. ^1H NMR (500 MHz, $\text{DMSO}-d_6$, r.t.) spectrum of polyacrylamide (pAAm).

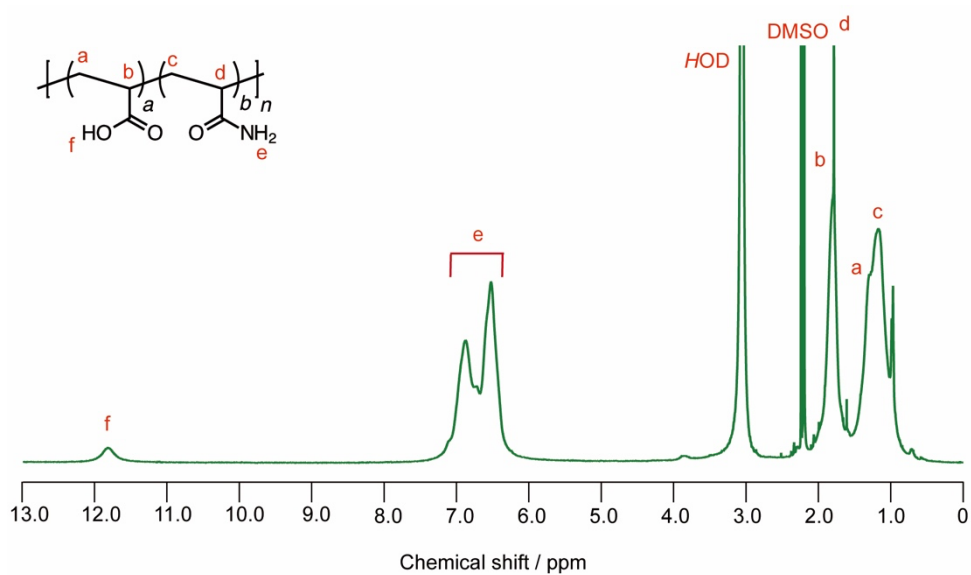


Figure S4. ^1H NMR (500 MHz, $\text{DMSO}-d_6$, r.t.) spectrum of AAc polyner (10 : 90 (mol : mol)).

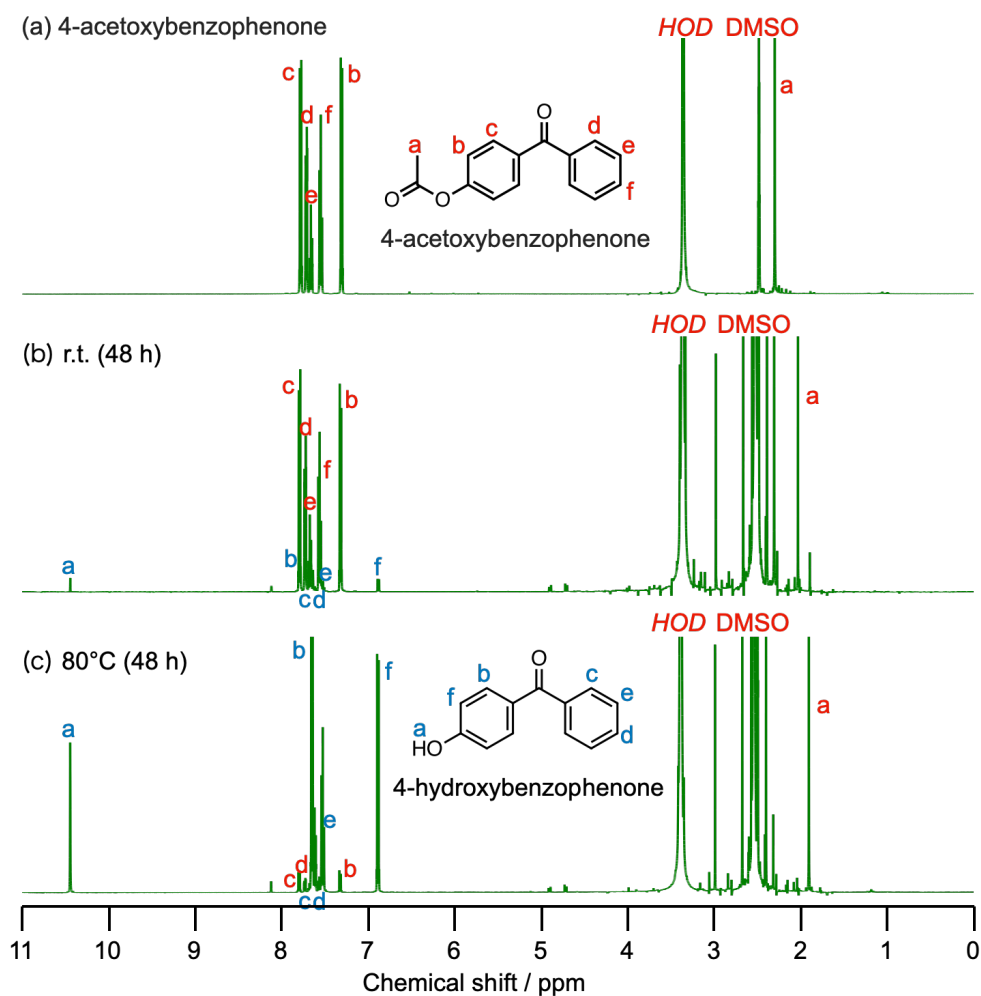


Figure S5. ¹H NMR spectra (500 MHz, DMSO-*d*₆, r.t.) of (a) 4-acetoxybenzophenone before mixing with TiCl₄ and zinc, and 4-acetoxybenzophenone left to stand for 48 hours at (b) room temperature and (c) 80 °C after mixed with 0.5 M of TiCl₄ and 1.0 M of zinc.