

Electronic Supplementary Information

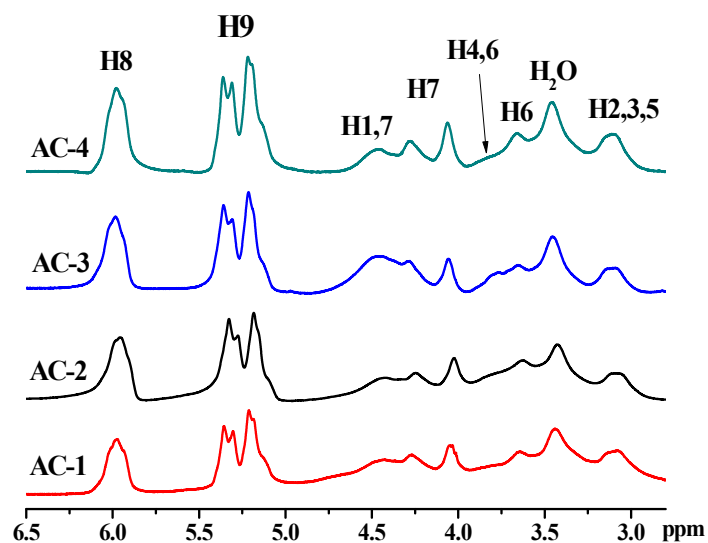
**Synthesis of allyl cellulose in NaOH/urea aqueous solutions  
and its thiol-ene click reactions**

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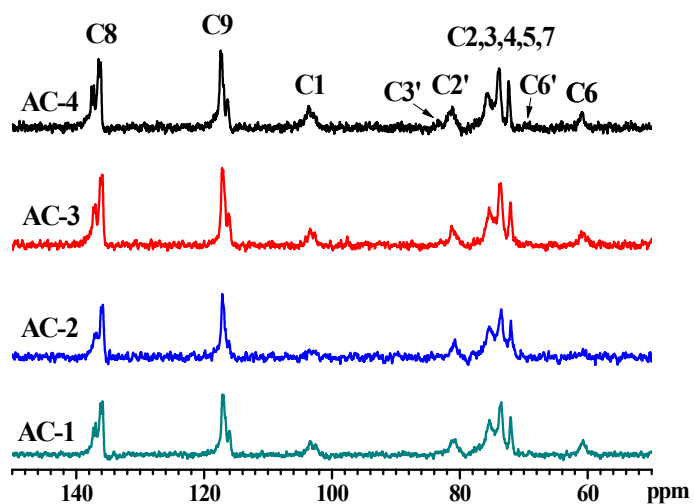
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**Figure S1.**  $^1\text{H}$  NMR spectra of AC-1 (DS=0.98), AC-2 (DS=1.09), AC-3 (DS=1.32) and AC-4 (DS=1.65) in  $\text{DMSO-}d_6$  at 65 °C.



**Figure S2.**  $^{13}\text{C}$  NMR spectra of AC-1 (DS=0.98), AC-2 (DS=1.09), AC-3 (DS=1.32) and AC-4 (DS=1.65) in  $\text{DMSO-}d_6$  at 65 °C.