Supporting information

Anti-degradable gelatin films crosslinked by active ester based on cellulose

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**Fig. S1** The $^1$H-NMR spectra of EDTAD  
**Fig. S2** The FTIR spectrum of EDTAD  
**Fig. S3** The FTIR spectra of MCC, ME and MEN  
**Fig. S4** TGA (1) and DSC (2) curves of MCC, ME and MEN  
**Fig. S5** Photos of water contact angles of gelatin films  
  a Gel, b Gel-15%MEN, c Gel-25%MEN  
**Fig. S6** Light transmission of films at selected wavelengths  
  (1) light transmission of different Gel-MEN films  
  (2) light transmission comparison of Gel-MEN and Gel/MCC films
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