**Supplementary Information**

**EGCG-crosslinked carboxymethyl chitosan-based hydrogels with inherent desired functions for full-thickness skin wound healing**

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![Fig. S1 1H NMR spectrum of CMCS and CMCS-PBA (D2O).](image-url)
Fig. S2 $^{11}$B NMR spectrum of CMCS and CMCS-PBA ($D_2O$).

Fig. S3 $^1$H NMR spectrum of PEG and PEG-glu ($CDCl_3$)
Fig. S4 Swelling ratio of hydrogels in PBS 7.4.