

Supporting Information

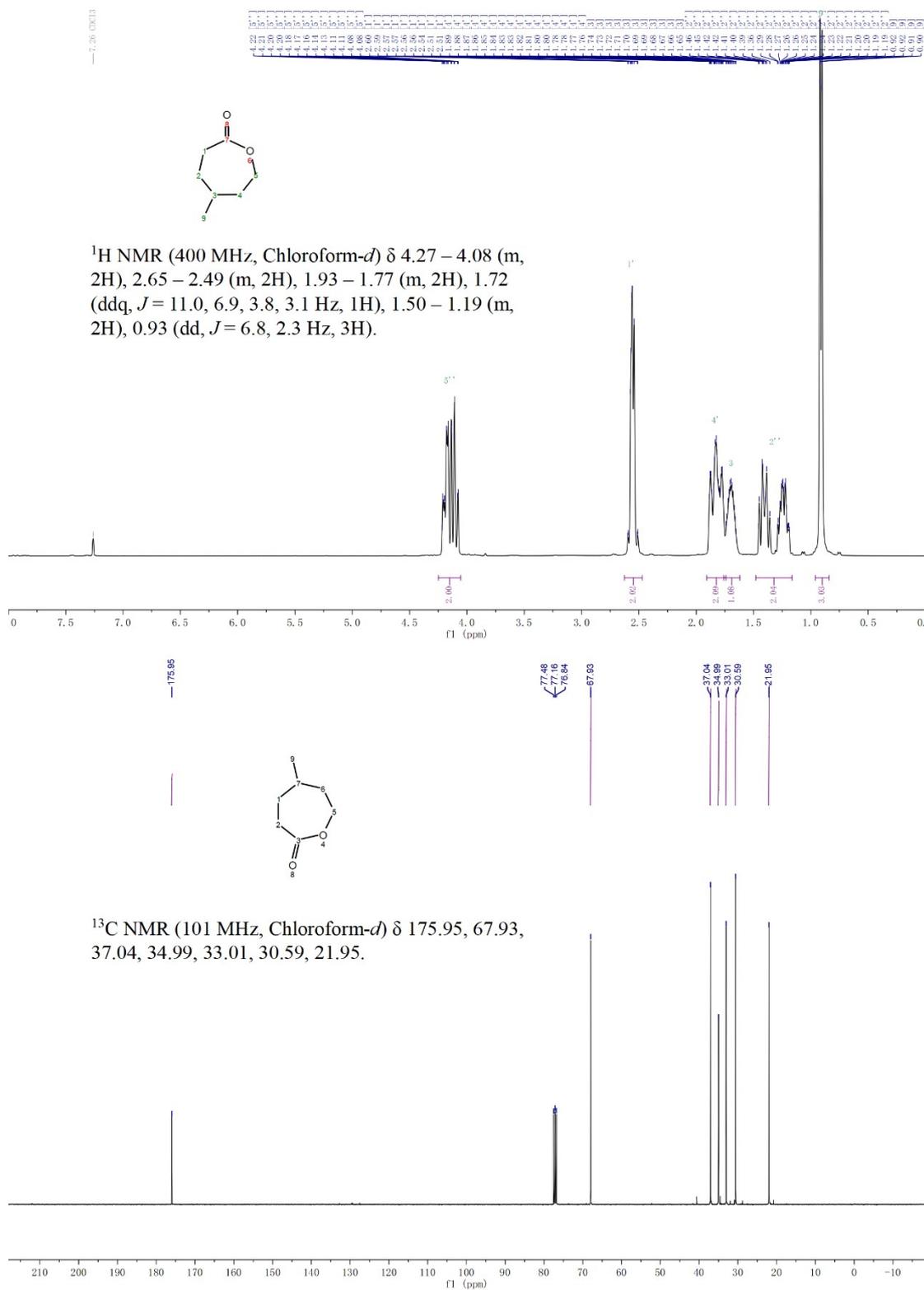


Fig. S1. ¹H-NMR and ¹³C-NMR NMR spectra of MCL.

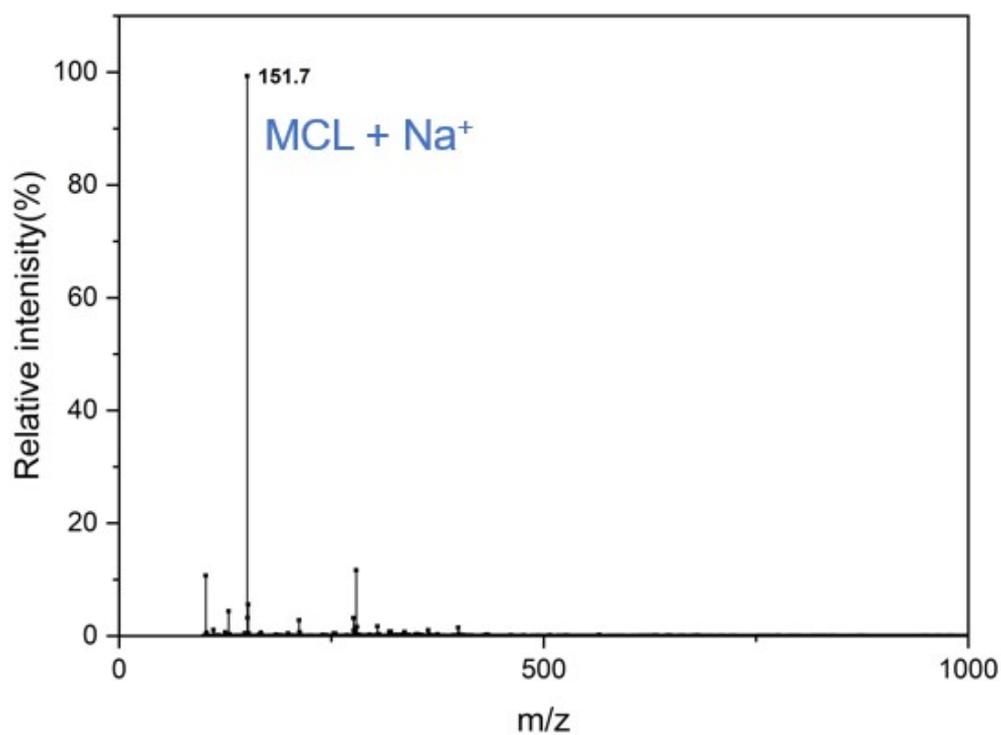


Fig. S2. Mass spectrometry of MCL.

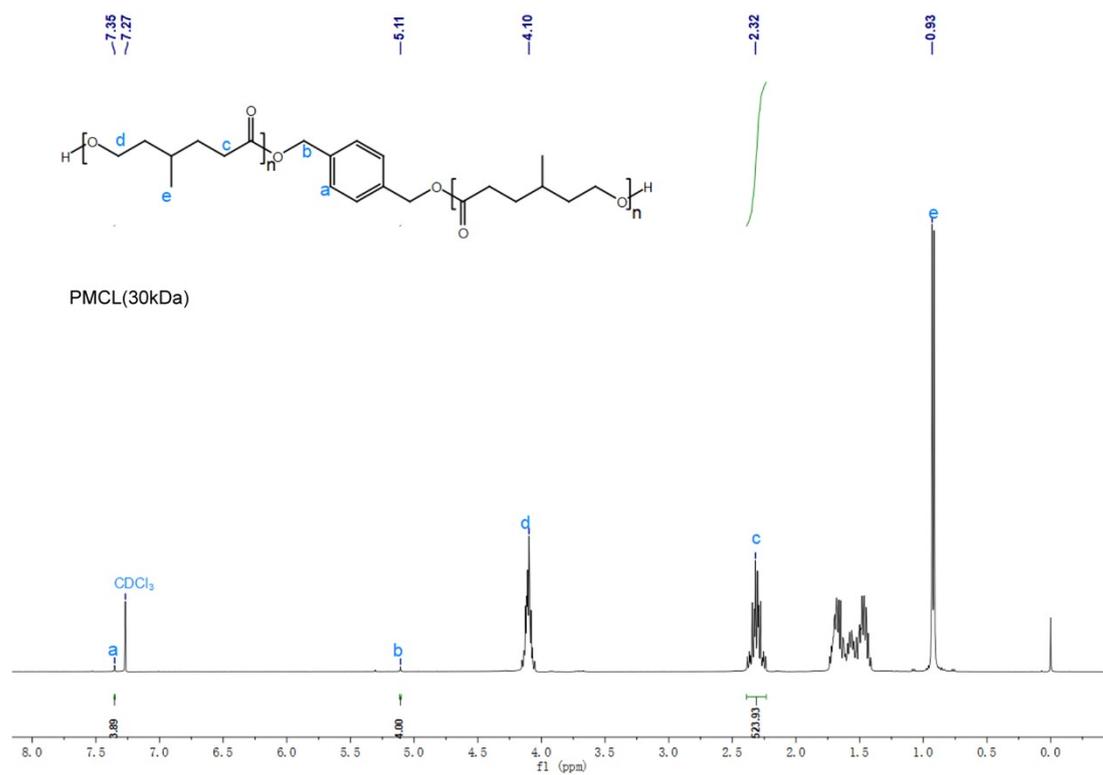
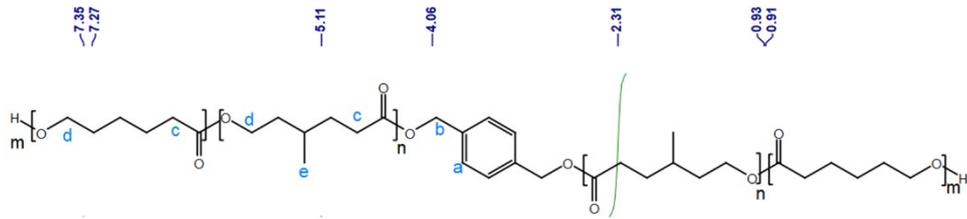
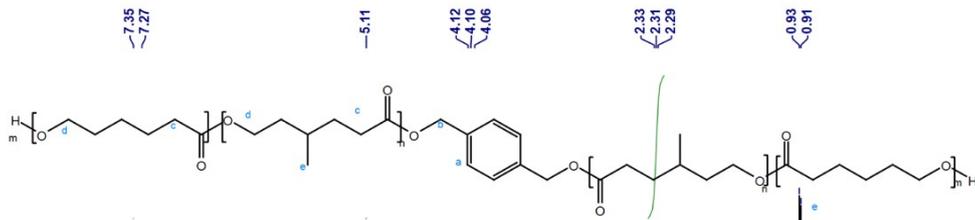
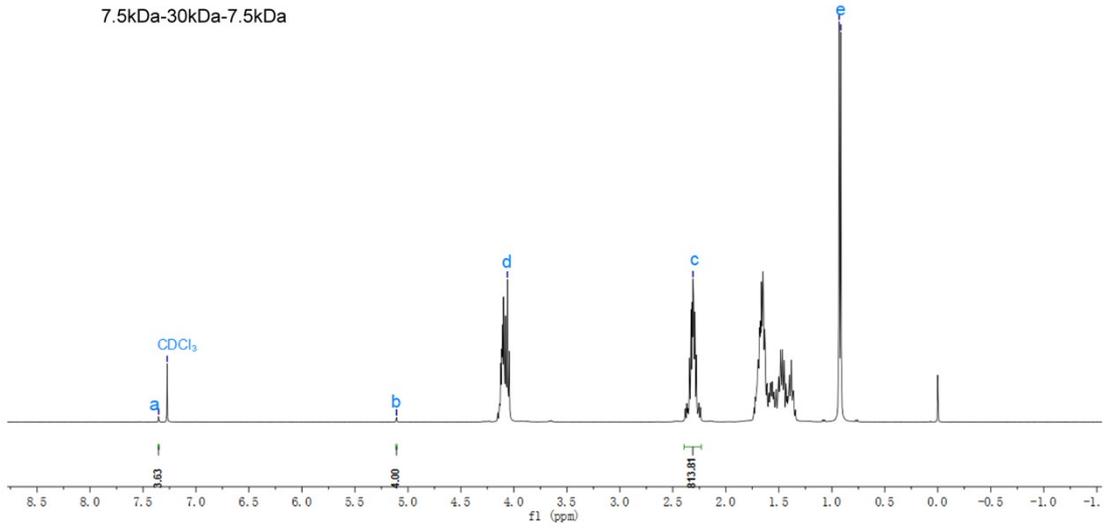


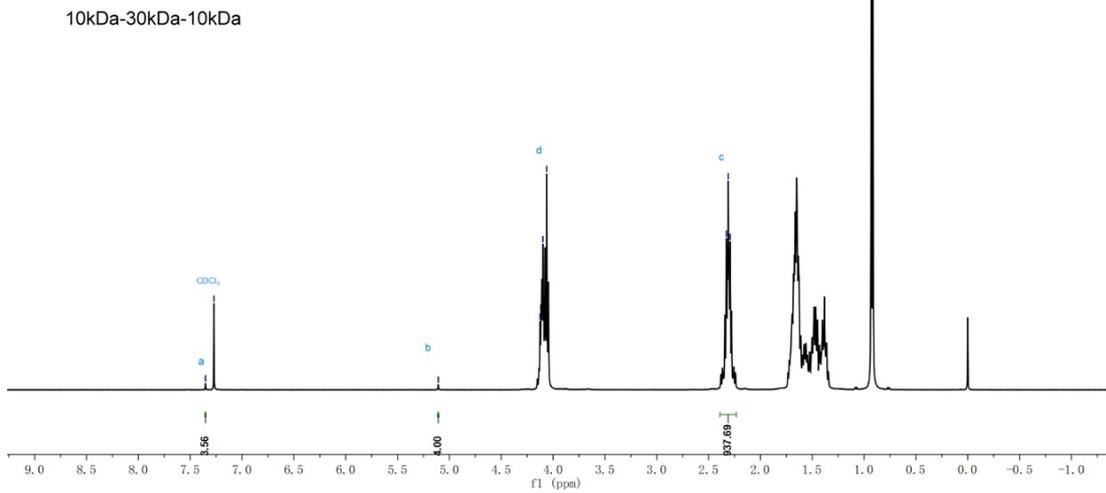
Fig. S3. ¹H-NMR spectrum of PMCL.



7.5kDa-30kDa-7.5kDa



10kDa-30kDa-10kDa



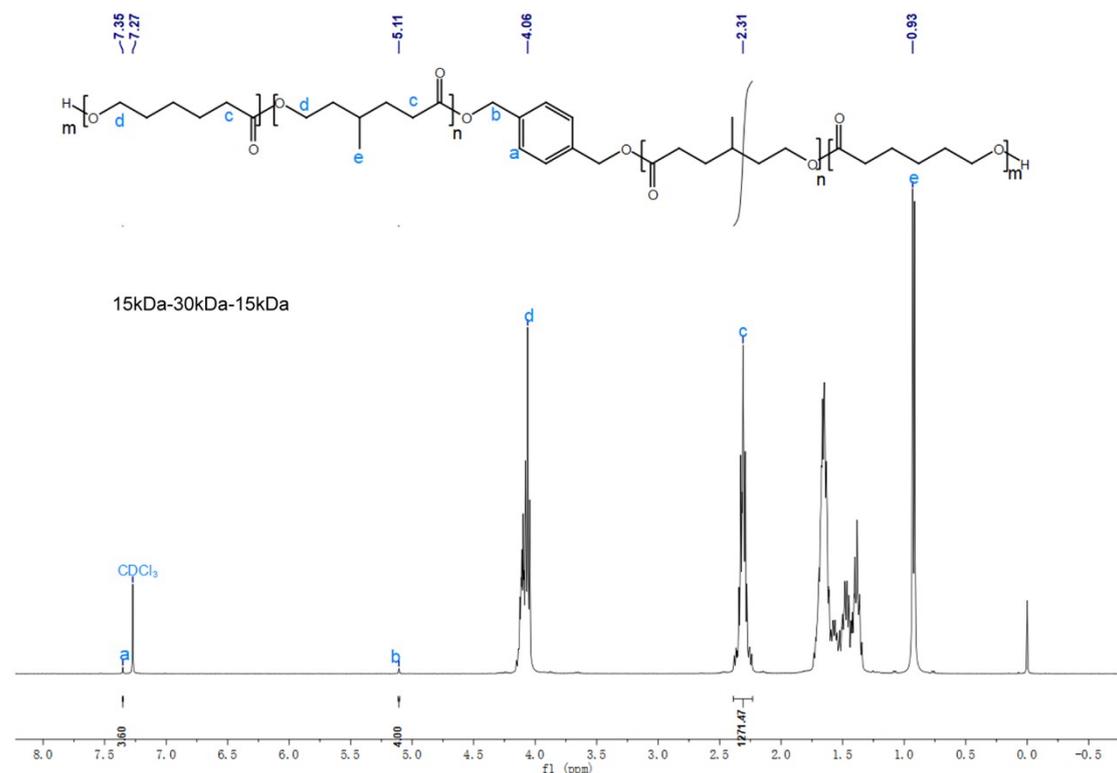
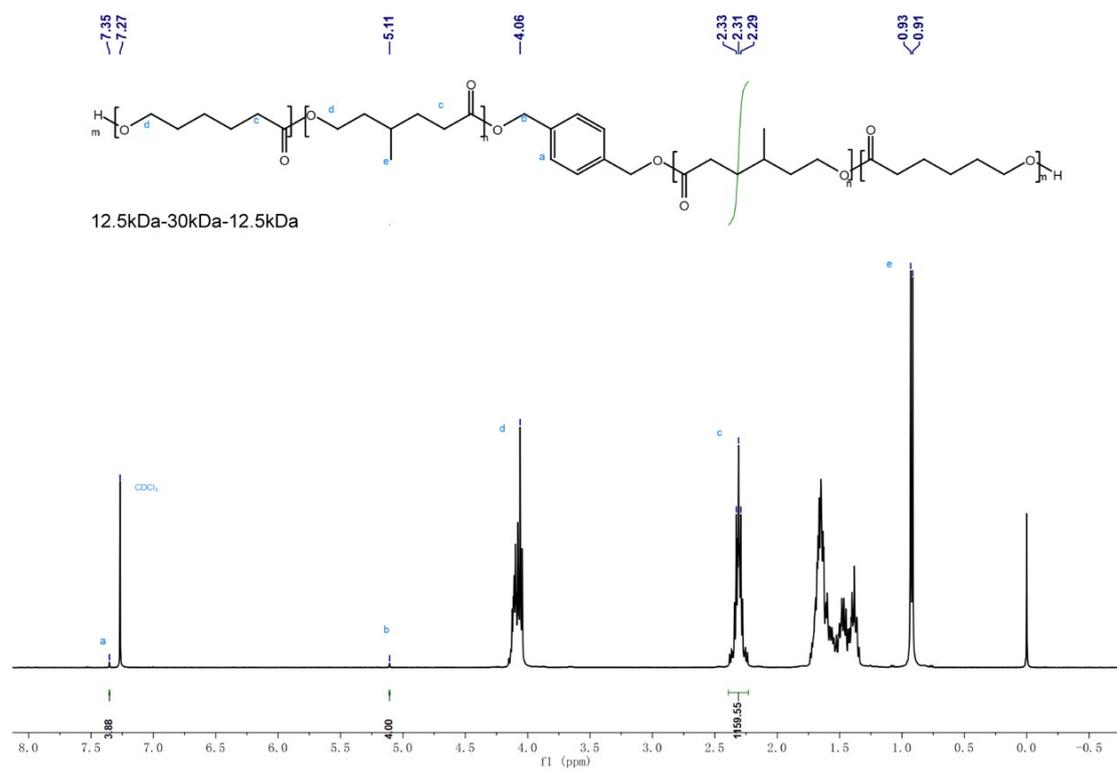


Fig. S4. ¹H-NMR spectrum of PCL-PMCL-PCL.

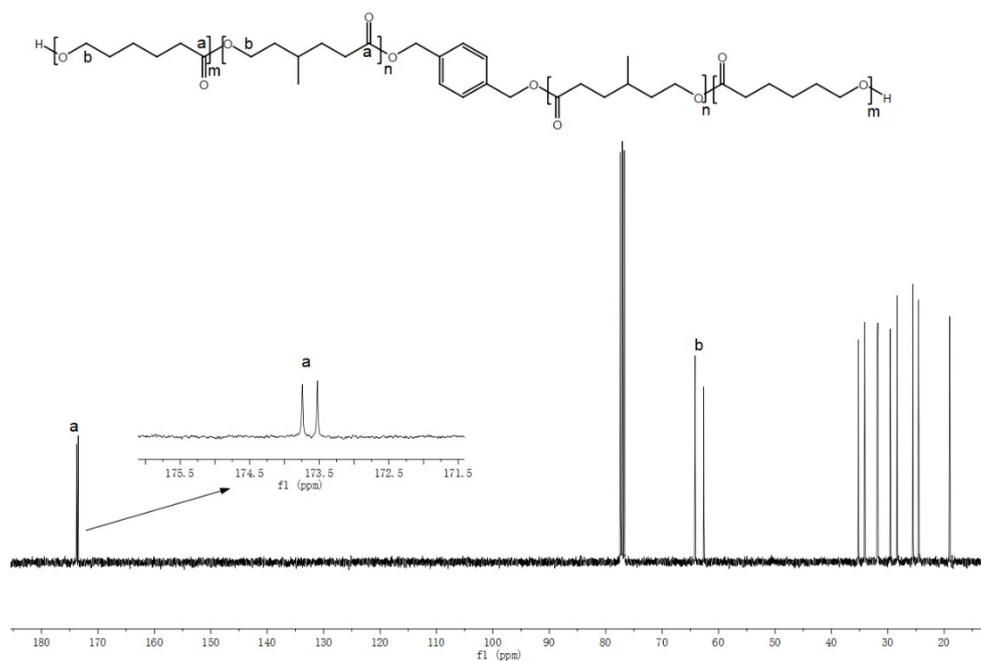
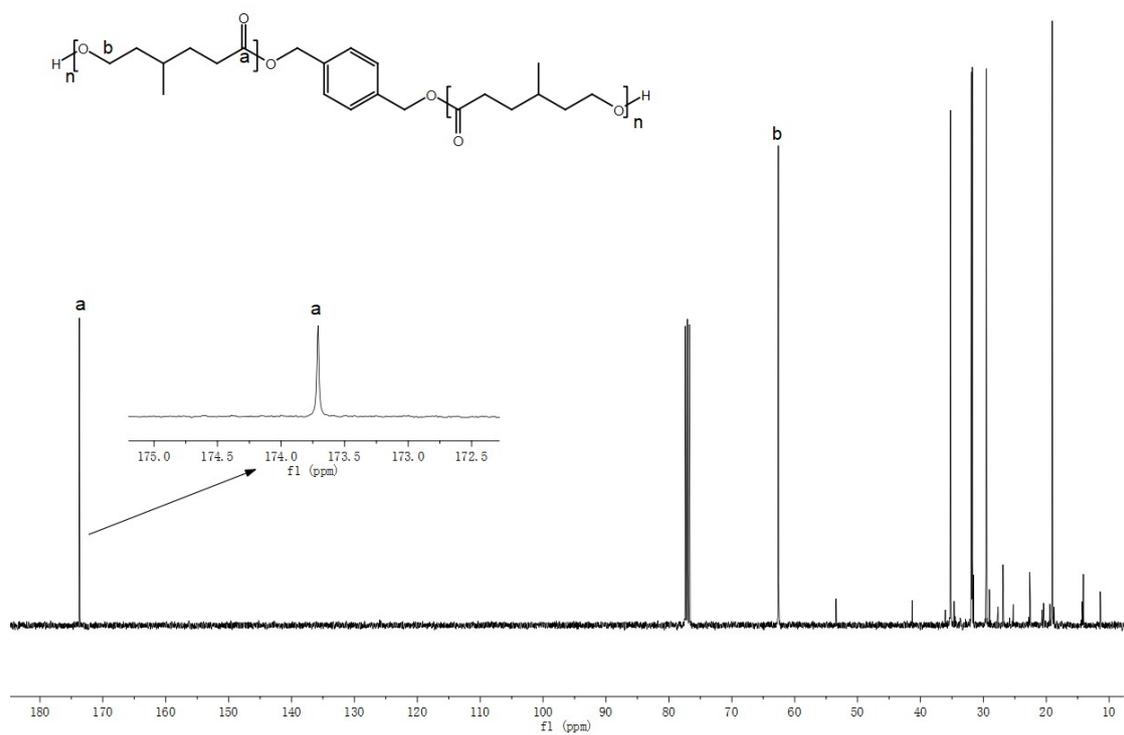


Fig. S5. $^{13}\text{C-NMR}$ spectrum of PMCL and PCL-PMCL-PCL.

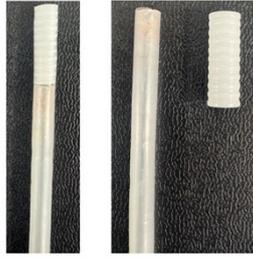


Fig. S6. Images of the bionic tracheal stent in the delivery catheter and after its release.

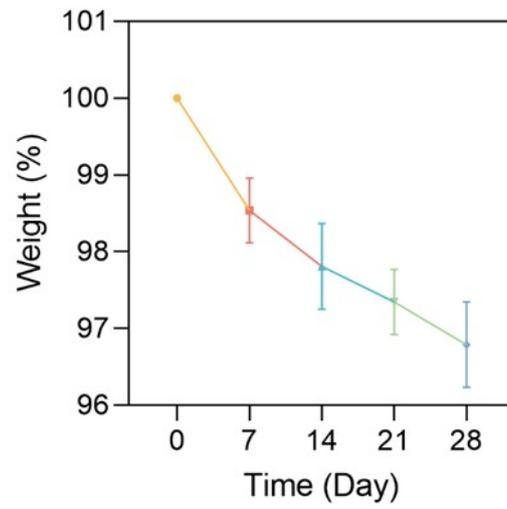


Fig. S7. *In vitro* degradation assay of the tracheal stent based on 15 kDa-30 kDa-15 kDa triblock polymers.