

Supplementary Information

Enzymatic synthesis of aliphatic polycarbonate as oxidation-responsive drug delivery vehicle

Xian-Ling Yang, Xiu Xing, Jun Li, Yan-Hong Liu, Na Wang* and Xiao-Qi Yu*

Key Laboratory of Green Chemistry & Technology, Ministry of Education, College of Chemistry, Sichuan University, Chengdu 610064, P. R. China

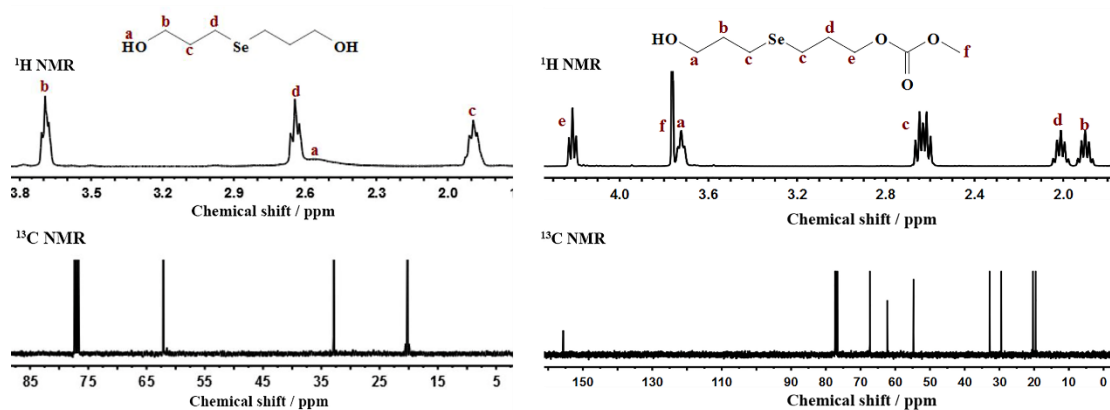


Fig. S1 NMR spectra of (a) bis(3-hydroxypropyl) selenide, (b) 3-((3-hydroxypropyl)selenyl)propyl methyl carbonate in CDCl₃.

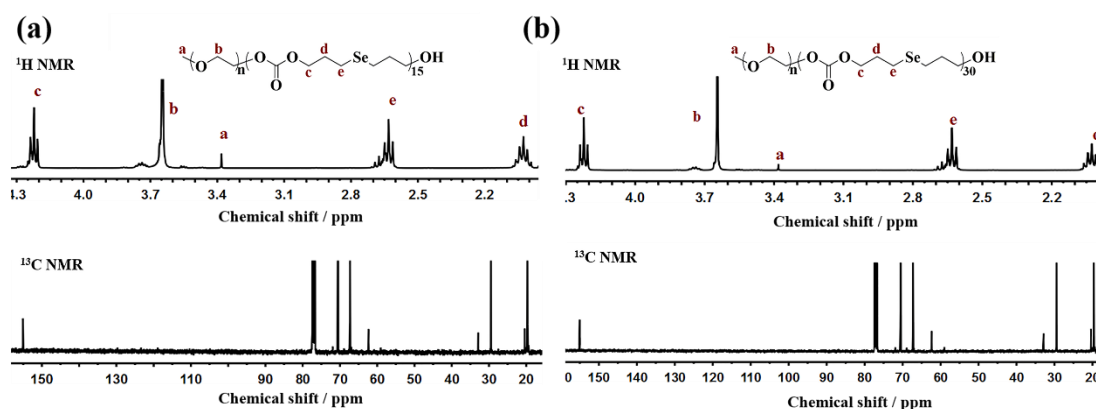


Fig. S2 NMR spectra of (a) mPEG-*b*-CMP₁₅, (b) mPEG-*b*-CMP₃₀ in CDCl₃.

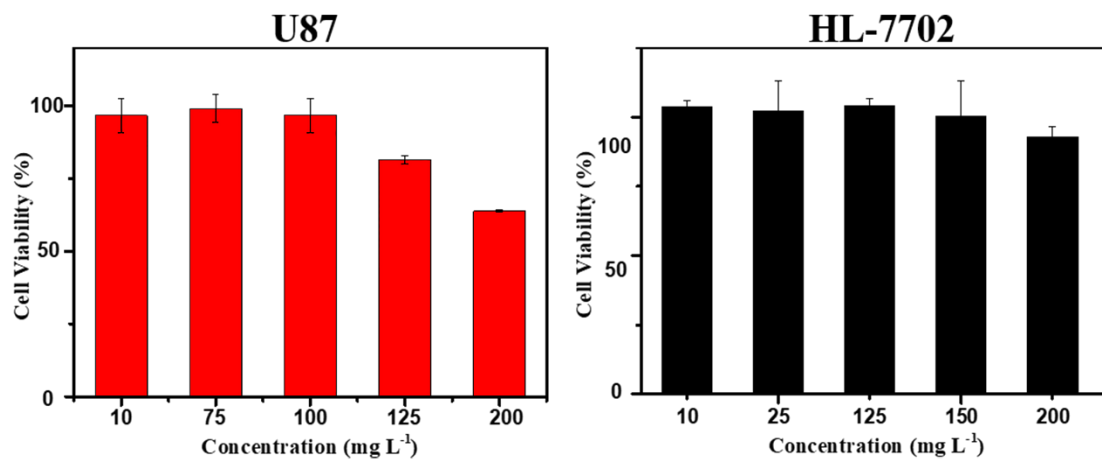


Fig. S3 MTS assay of mPEG-*b*-CMP₄₅ in U87 and HL-7702 after incubation for 24 h. The blank cells were used as control and the standard deviation for each data point was averaged over three samples (n = 3).