Electronic Supplementary Information for

Photo-cross-linked mPEG-poly(γ-cinnamyl-L-glutamate) micelles as stable drug carriers

Lesan Yan, a,b Lixin Yang, a,b Hongyan He, a,b Xiuli Hu, a Zhigang Xie, a Yubin Huang, a Xiabin Jing a*  

a State Key Laboratory of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, People’s Republic of China  

b Graduate School of Chinese Academy of Sciences, Beijing 100049, People’s Republic of China

Contents

Fig. S1 1H NMR spectra of γ-cinnamyl-L-glutamate (CLG)  
Fig. S2 FTIR spectra of γ-cinnamyl-L-glutamate (CLG)  
Fig. S3 13C NMR spectra of γ-cinnamyl-L-glutamate N-carboxyanhydride (CLG-NCA)  
Fig. S4 (A) ESI MS spectra of the CLG-NCA monomer  
Fig. S5 1H NMR spectra of poly(γ-cinnamyl-L-glutamate) (PCLG)  
Fig. S6 13C NMR spectra of poly(γ-cinnamyl-L-glutamate) (PCLG)  
Fig. S7 Excitation spectra of pyrene in aqueous solution of mPEG113-b-PCLG20 at different concentrations (λem = 390 nm) (A), the intensity ratio (I340/I335) as a function of concentration of mPEG113-b-PLGA20 (B)  
Fig. S8 1H NMR of mPEG-b-PLGA micelles in D2O  
Fig. S9 Changes in the 1H NMR spectra of micelle as a function of irradiation time (in CDCl3)

* Correspondence to: Xiabin Jing, State Key Laboratory of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, People’s Republic of China. Tel & Fax: +86-431-85262775; E-mail: xbjing@ciac.jl.cn
**Fig. S1** $^1$H NMR spectra of γ-cinnamyl-L-glutamate (CLG)

**Fig. S2** FTIR spectra of γ-cinnamyl-L-glutamate (CLG)

**Fig. S3** $^{13}$C NMR spectra of γ-cinnamyl-L-glutamate

$N$-carboxyanhydride (CLG-NCA)
Fig. S4 (A) ESI MS spectra of the CLG-NCA monomer

Fig. S5 $^1$H NMR spectra of poly($\gamma$-cinnamyl-L-glutamate)(PCLG)

Fig. S6 $^{13}$C NMR spectra of poly($\gamma$-cinnamyl-L-glutamate)(PCLG)
Fig. S7 Excitation spectra of pyrene in aqueous solution of mPEG$_{113}$-b-PCLG$_{20}$ at different concentrations ($\lambda_{em} = 390$ nm) (A), the intensity ratio (I$_{340}$/I$_{335}$) as a function of concentration of mPEG$_{113}$-b-PCLG$_{20}$ (B)

Fig. S8 $^1$H NMR of mPEG-b-PCLG micelles in D$_2$O
Fig. S9 Changes in the $^1$H NMR spectra of micelle as a function of irradiation time (in CDCl₃)