

## Supporting Information

### Facile Preparation of Core Cross-linked Micelles From Catechol -Containing Amphiphilic Triblock Copolymer

Suhong Wu<sup>a,b</sup>, Huihui Kuang<sup>a,b</sup>, Fanbo Meng<sup>\*\*c</sup>, Yanjuan Wu<sup>a,b</sup>, Xiaoyuan Li<sup>a</sup>, Xiabin Jing<sup>a</sup>, Yubin Huang<sup>\*a</sup>

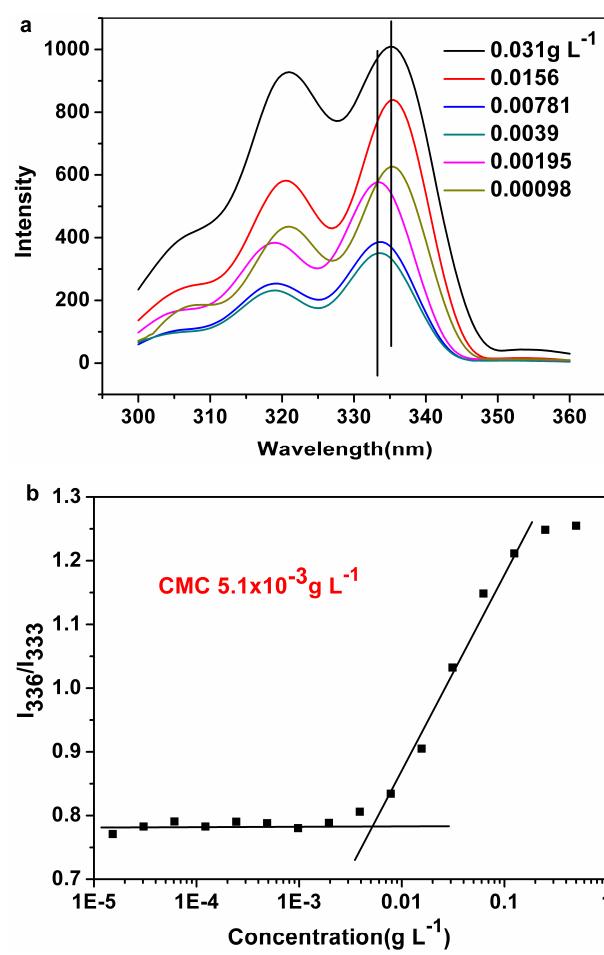
<sup>a</sup> State Key Laboratory of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, 130022, P. R. China

<sup>b</sup> Graduate School of Chinese Academy of Sciences, Beijing, 100039, P. R. China

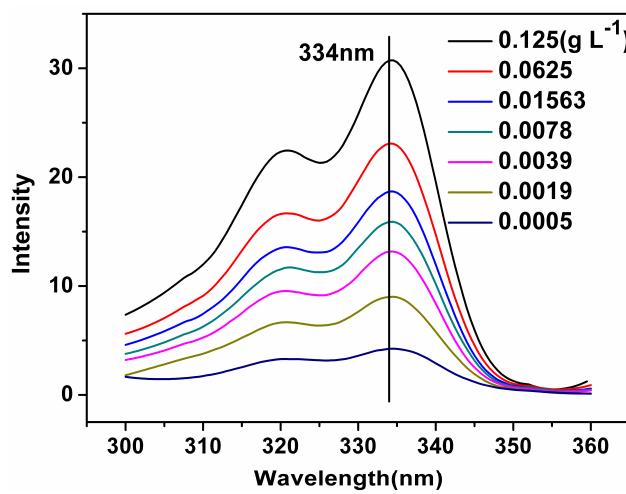
<sup>c</sup> The Cardiology Department of China-Japan Union Hospital of Jilin University, No. 126 Xiantai Str., Changchun 130033, P. R. China

\*Correspondence to: Yubin Huang, 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: +86-431-85262769; E-mail: [ybhuang@ciac.jl.cn](mailto:ybhuang@ciac.jl.cn)

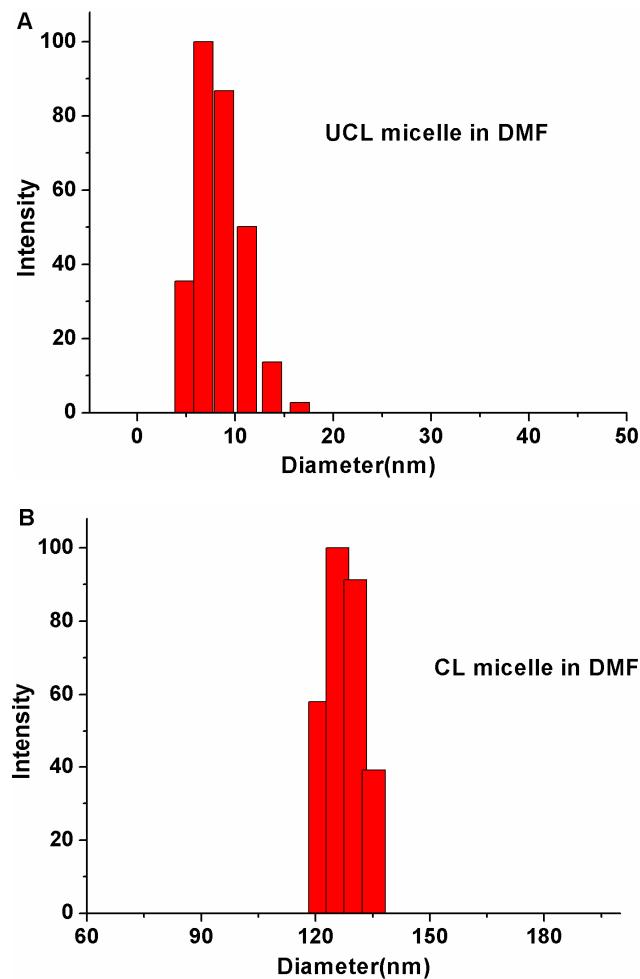
\*\*Co-correspondence to: Fanbo Meng, The Cardiology Department of China-Japan Union Hospital of Jilin University, No. 126 Xiantai Str., Changchun 130033, P. R. China. Tel & Fax: +86-13159757035; E-mail: [mengfb@jlu.edu.cn](mailto:mengfb@jlu.edu.cn)



**Figure S1.** Excitation spectra of pyrene in mPEG-*b*-P(MCC-*g*-dopamine)-*b*-PLA solution at different concentrations ( $\lambda_{\text{em}} = 390$  nm) (a); the intensity ratio ( $I_{336}/I_{333}$ ) as a function of the concentration of polymer solution(b).



**Figure S2.** Excitation spectra of pyrene in mPEG-*b*-P(MCC-*g*-dopamine)-*b*-PLA solution after air-bubbling for 3 h at different concentration ( $\lambda_{\text{em}} = 390$  nm).



**Figure S3.** Particle size determined by DLS measurement of micelles before (A) and after (B) cross-linking in DMF.