

Supplementary Information

Polymeric micelles with π - π conjugated cinnamic acid as lipophilic moieties for doxorubicin delivery

Yusi Lai, Ying Lei, Xianghui Xu, Yuanlin Li, Bin He*, Zhongwei Gu*

National Engineering Research Center for Biomaterials
Sichuan University
Chengdu 610064 China

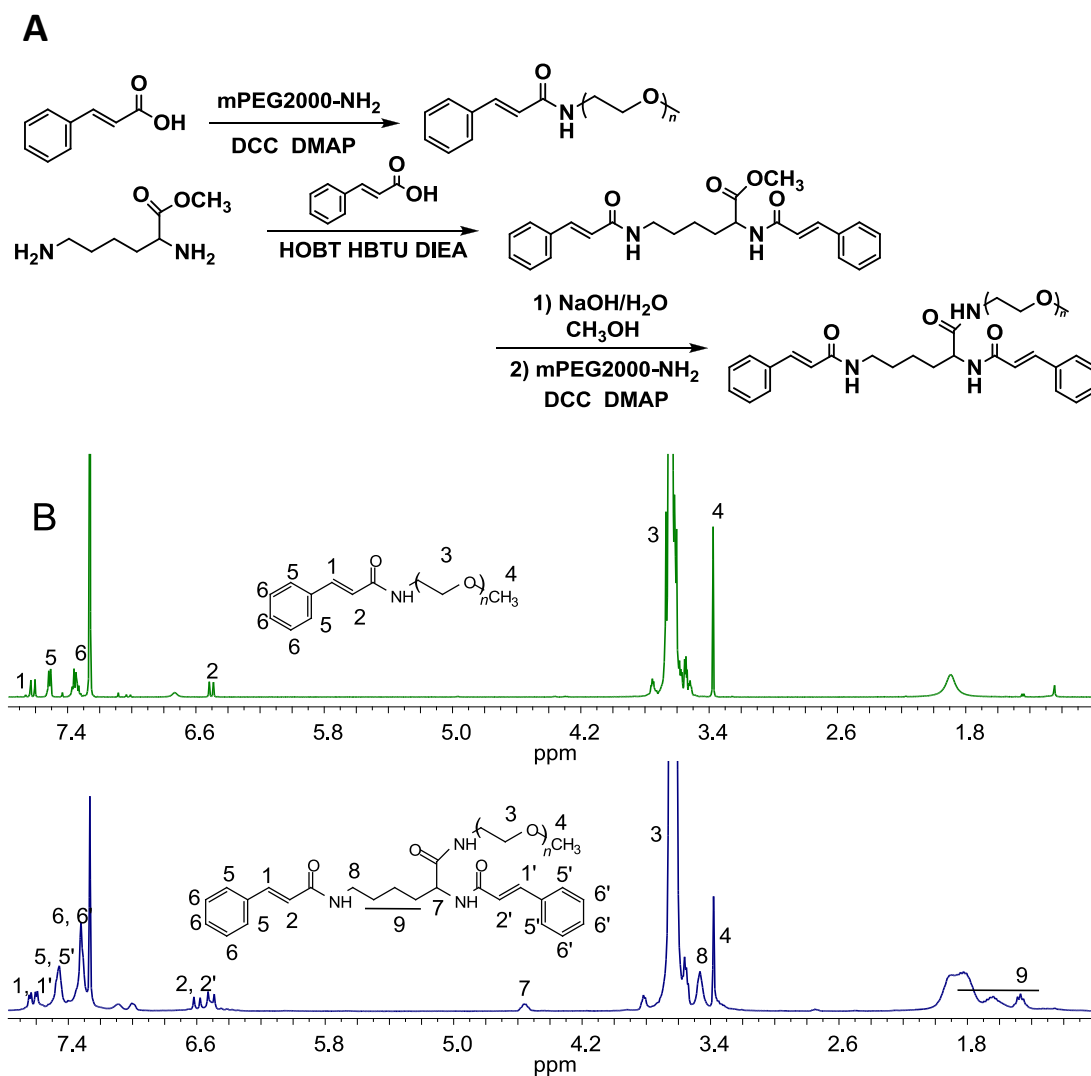


Fig. S1 The synthetic route (A) and ¹H NMR spectra (400M Hz, CDCl₃) of mPEG-CIN and mPEG-Lys-DCIN amphiphiles (B).

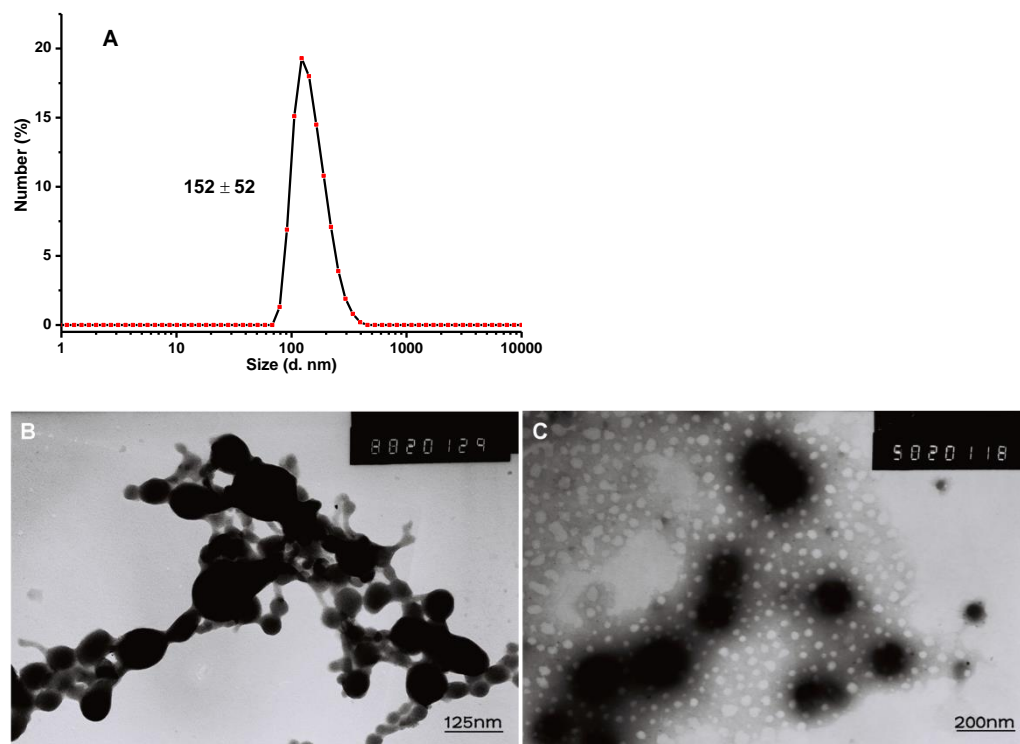


Fig. S2 The DLS measurement and TEM images of mPEG-DCIN micelles. (A) DLS result of DOX-loaded micelles; (B) TEM graph of blank micelles; (C) TEM graph of DOX-loaded micelles.

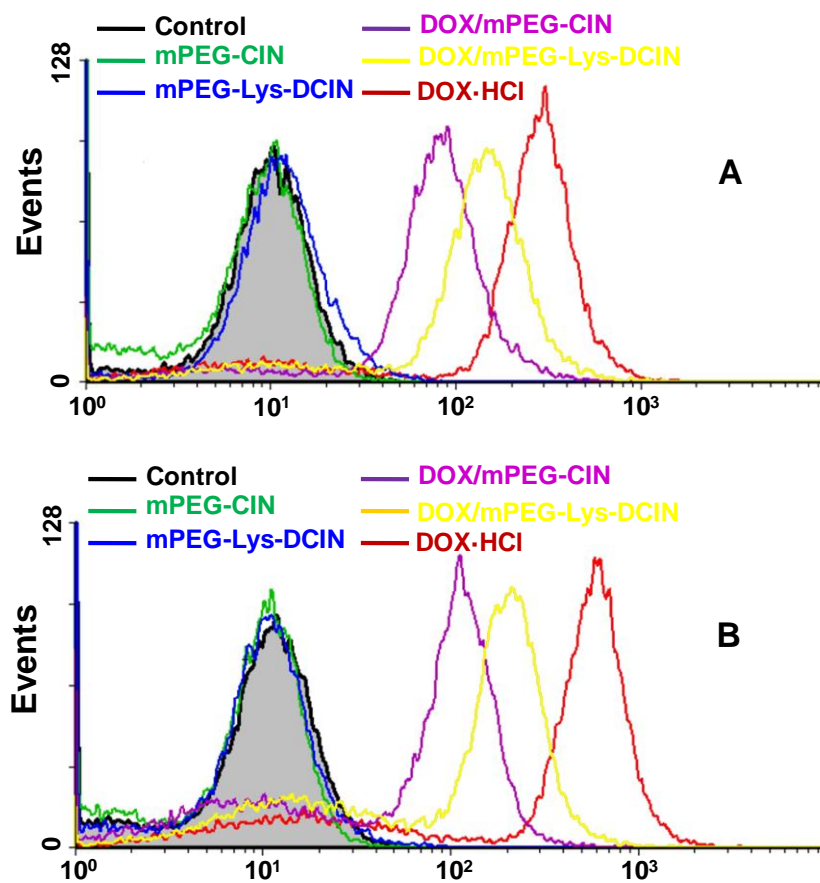


Fig. S3. The flow cytometry results of 4T1 cells treated with DOX•HCl, blank and DOX-loaded micelles for 1 (A) and 3 (B) h. The concentration of DOX was 10 $\mu\text{g}/\text{mL}$.

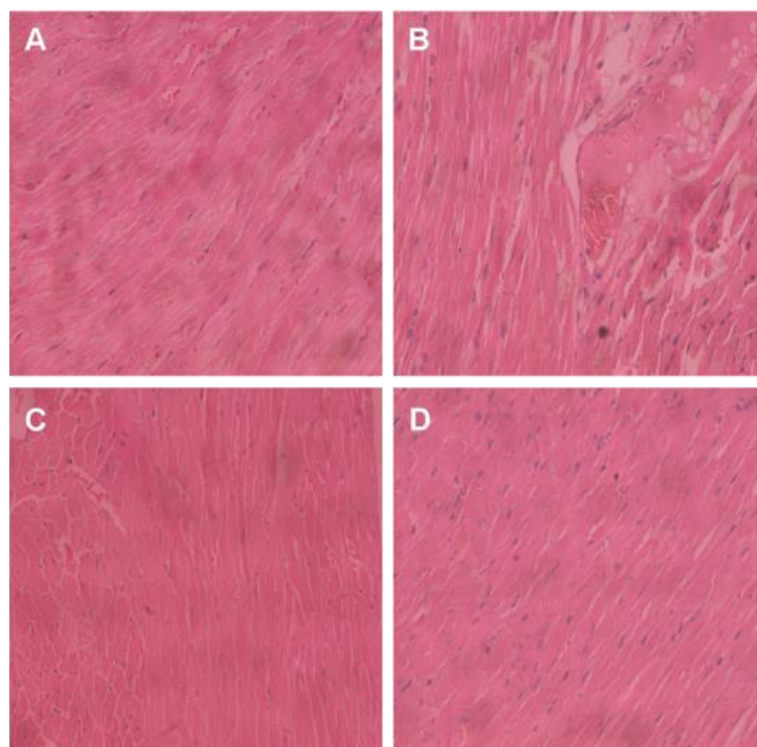


Fig. S4. The histologic images (20×) of heart tissues treated with saline (A), DOX·HCl (B), DOX-loaded mPEG-CIN (C) and DOX-loaded mPEG-Lys-DCIN (D) micelles.