

Supporting Information

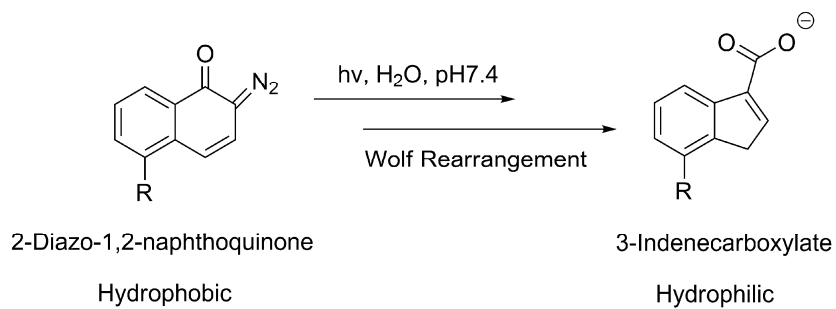
A New Near-infrared Light-sensitive Micelle for Enhanced Intracellular Drug Delivery

*Gong-Yan Liu, Chao-Jian Chen, Dan-Dan Li, Shan-Shan Wang, Qiao Jin, and Jian Ji**

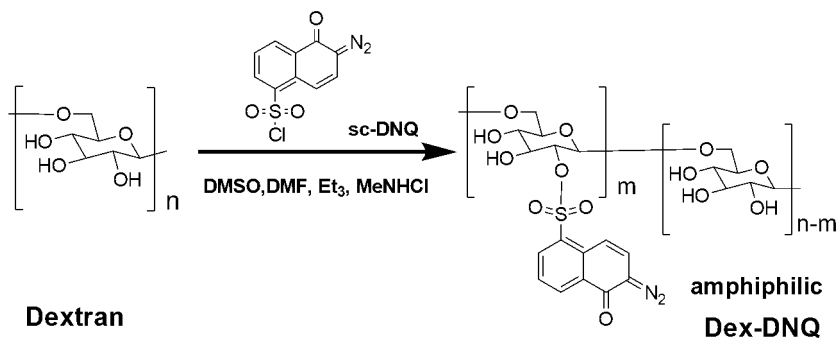
Department of Polymer Science and Engineering, MOE Key laboratory of Macromolecular Synthesis and Functionalization. Zhejiang University, Hangzhou 310027, China.

Fax: (+) 86 571 87953729

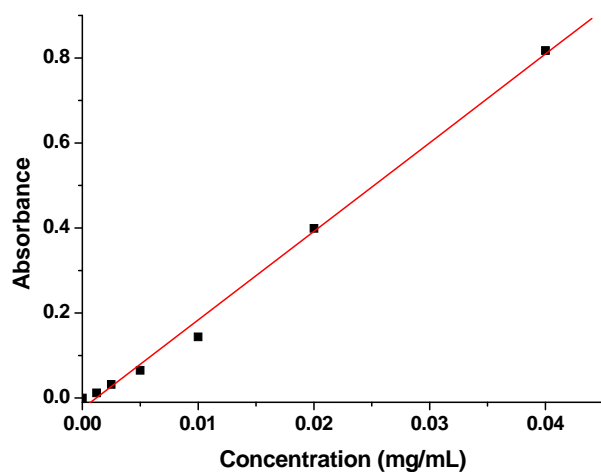
E-mail: jjjian@zju.edu.cn.



Scheme S1. Structural change of DNQ after Wolff Rearrangement.



Scheme S2. Synthesis of Dex-DNQ amphiphilic copolymers.



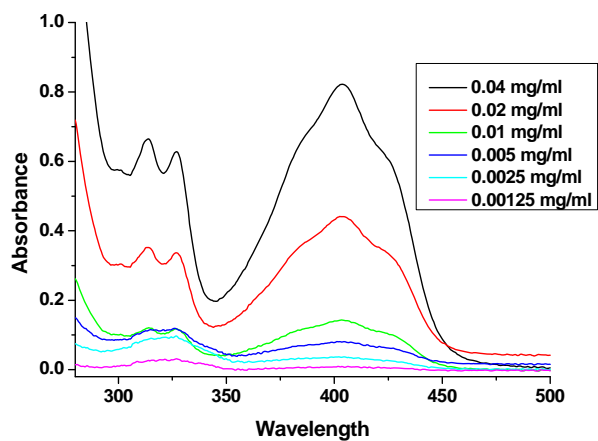
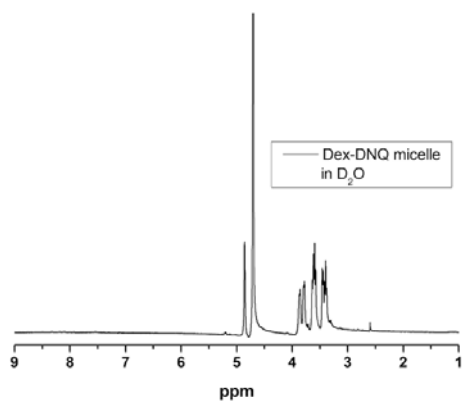
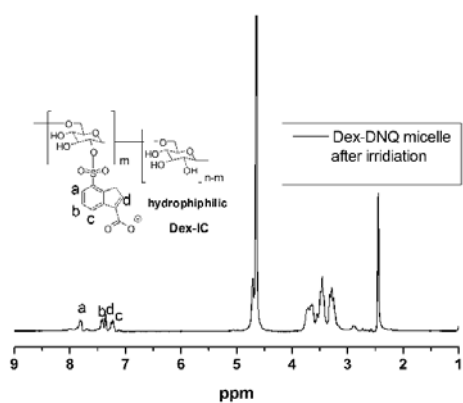


Fig. S1. (A) Linear relationship between the UV absorbance at 403 nm and the concentration of sc-DNQ in DMSO; (B) UV-vis spectra of sc-DNQ in DMSO at various concentrations.



(a)



(b)

Fig. S2. ¹H NMR spectra of Dex-DNQ micelle in D₂O (a) and the micelle changed into hydrophilic Dex-IC chains after irradiation (b).