Supplementary Materials

Design, Synthesis, and Characterization of Schiff Base Bond-Linked pH-Responsive Doxorubicin Prodrug Based on Functionalized mPEG-PCL for Targeted Cancer Therapy

Yinglei Zhai ^{1,+}, Xing Zhou ^{2,+}, Zhiqiang Zhang ³, Lei Zhang ⁴, Dianyu Wang ¹, Xinhui Wang ¹, Wei Sun ^{1,*}

- ¹ Department of Biomedical Engineering, School of Medical Devices, Shenyang Pharmaceutical University, Shenyang 110016, China; yingleizhai@syphu.edu.cn (Y.Z.); wdy545820@163.com (D.W.); m15141210344@163.com (X.W.)
- ² Hainan Institute of Materia Medica, Haikou 570311, China; beyondyme@163.com
- ³ Department of Pharmaceutics, School of Pharmacy, Shenyang Pharmaceutical University, Shenyang 110016, China; zifeiyuxq@163.com
- ⁴ Shanghai Pharma Group (Benxi) Northern Pharmaceutical Co., Ltd, Benxi 117004, China; zl.719@163.com
- * Correspondence: sunwei@syphu.edu.cn or sunwei19801208@163.com
- + These two authors contributed equally to this work.

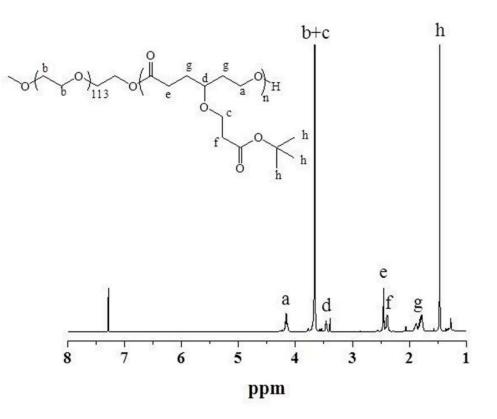


Figure S1. ¹H NMR spectrum of mPEG-BuPCL Block Copolymer.

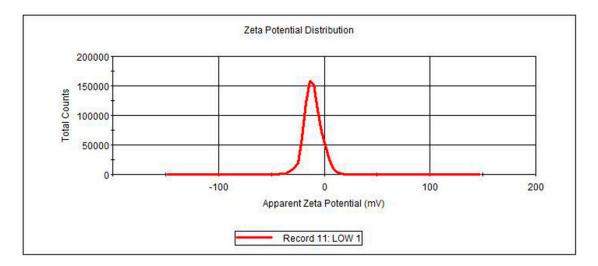


Figure S2. Zeta potential of mPEG-PCL-Imi-DOX Micelles.