Two-stage pH-sensitive doxorubicin hydrochloride loaded core-shell nanoparticles with dual drug-loading strategies for the potential anti-tumor treatment

Xiaoyue Yu, Bo Zhang, Tianqi Wang, Jing Zhang, Shengjun Mu, Chunxi Liu* and Na Zhang*

aDepartment of Pharmaceutics, School of Pharmaceutical Science, Shandong University, 44 Wenhuaxi Road, Jinan 250012, Shandong Province, China. E-mail: zhangnancy9@sdu.edu.cn; Fax: +86 0531 88382548; Tel: +86 0531 88382015

bPharmaceutical Department, Qilu Hospital of Shandong University, 107 Wenhuaxi Road, Jinan 250012, Shandong Province, China. E-mail: liuchunxi1985@163.com

Fig. S1 Agarose gel electrophoresis picture with different weight ratios of PEI to CGA-ODNs from 339 : 4096 to 339 : 16 (A). Average size and PDI of POD with different weight ratios of PEI to CGA-ODNs from 339 : 256 to 339 : 16 (B).

Fig. S2 Agarose gel electrophoresis picture with different weight ratios of CMCS to CGA-ODNs from 75 : 128 to 75 : 1 (A). Zeta potentials of CPOD with different weight ratios of CMCS to CGA-ODNs from 75 : 128 to 75 : 1 (B).