

Supporting Information for:

Cholesterol moieties as building blocks for assembling nanoparticles to achieve effective oral delivery of insulin

Yu Ding, Qiaochu Wang, Guangqu Liu, Yaqian Feng, Wei Zhou*

Department of Pharmaceutics, China Pharmaceutical University, Nanjing, Jiangsu, 211198, P.R. China

*Corresponding authors: E-mail: zw_why@cpu.edu.cn

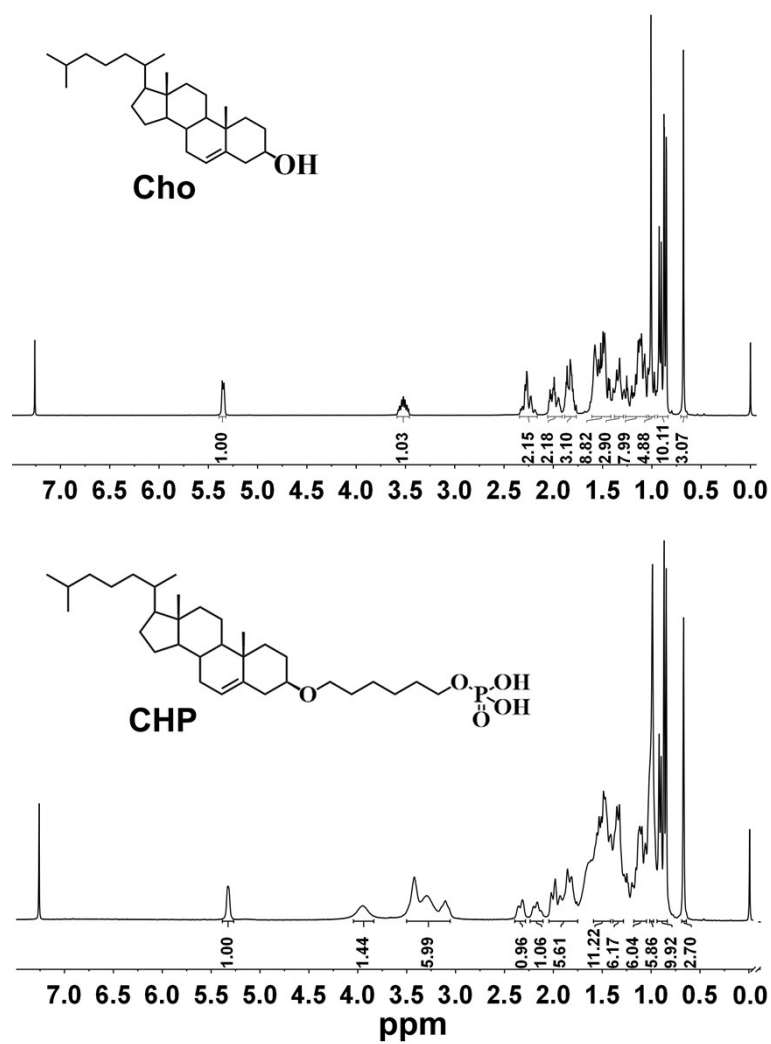


Figure S3. ^1H NMR spectra of Cho and CHP.

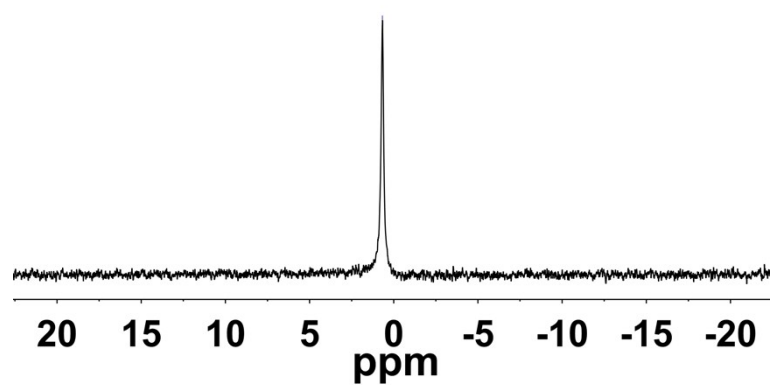


Figure S4. The ^{31}P NMR spectrum of CHP.

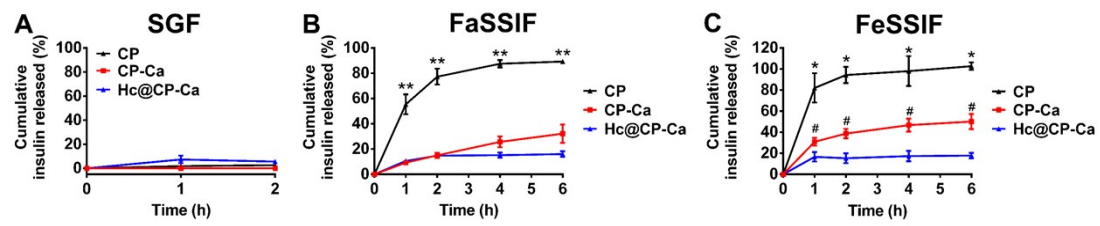


Figure S5. (A) The release profiles of insulin from CP NPs, CP-Ca NPs and Hc@CP-Ca NPs in SGF; (B) The release profiles of insulin from CP NPs, CP-Ca NPs and Hc@CP-Ca NPs in FaSSIF (** $p < 0.01$, versus CP-Ca NPs); (C) The release profiles of insulin from CP NPs, CP-Ca NPs and Hc@CP-Ca NPs in FeSSIF (* $p < 0.05$, versus CP-Ca NPs, # $p < 0.05$, versus Hc@CP-Ca NPs). (mean \pm SD, $n = 3$)