

Supporting Information for:

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

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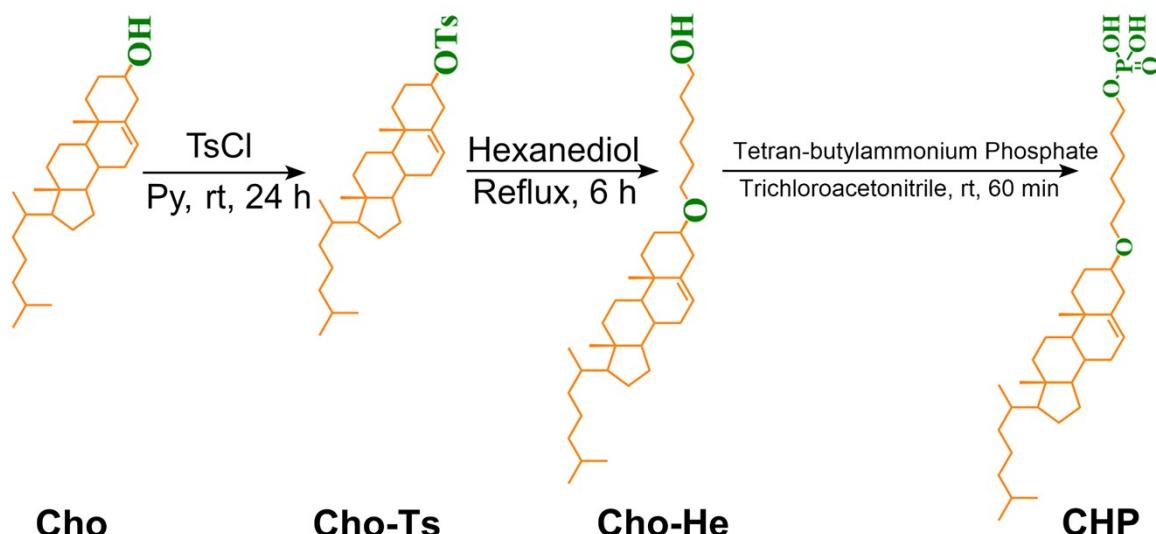


Figure S1. Synthetic route and structure of CHP.

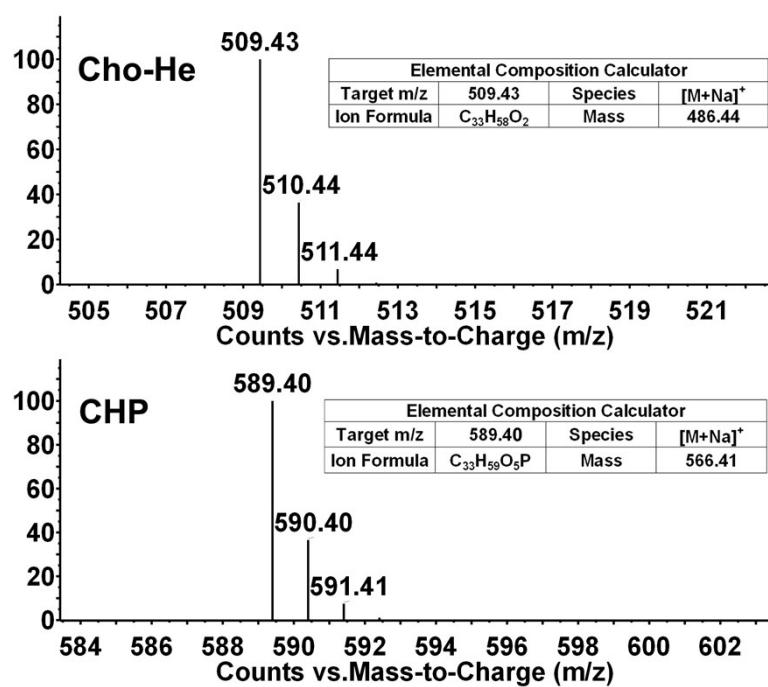


Figure S2. HRMS spectra of Cho-He and CHP.

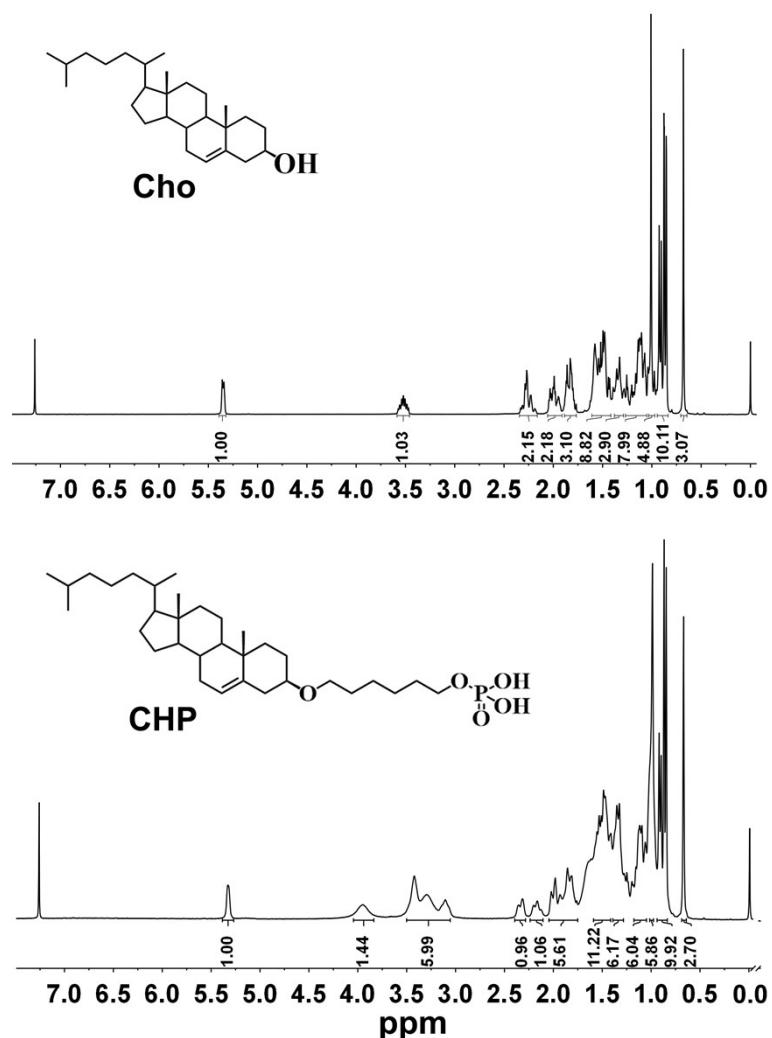


Figure S3. ^1H NMR spectra of Cho and CHP.

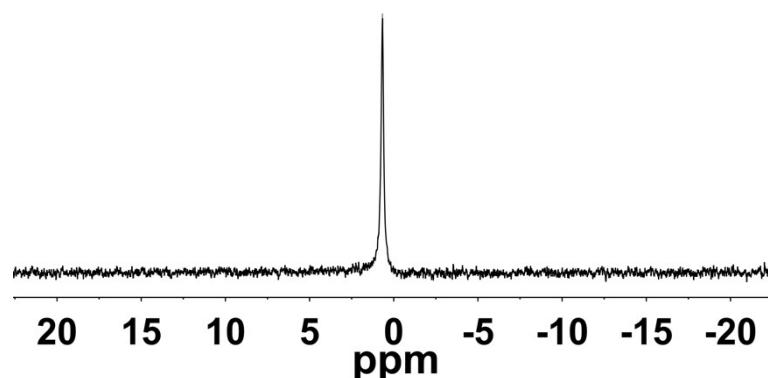


Figure S4. The ^{31}P NMR spectrum of CHP.

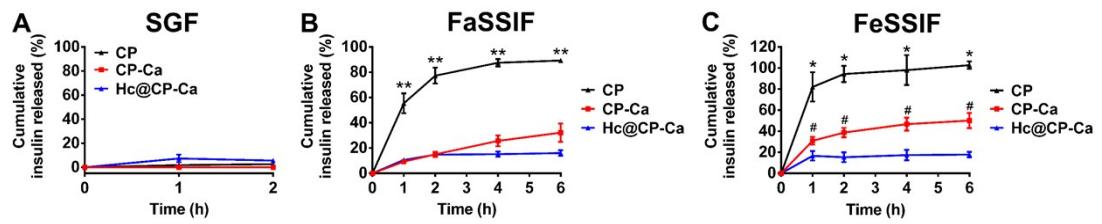


Figure S5. (A) The release profiles of insulin from CP NPs, CP-Ca NPs and Hc@CP-Ca NPs in SGF; (B) The release profiles of insulin from CP NPs, CP-Ca NPs and Hc@CP-Ca NPs in FaSSIF (** $p < 0.01$, versus CP-Ca NPs); (C) The release profiles of insulin from CP NPs, CP-Ca NPs and Hc@CP-Ca NPs in FeSSIF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