Supplementary Information

Construction and Evaluation of Chitosan-Based Nanoparticles for Oral Administration of Exenatide in Type 2 Diabetic Rats

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a

	a	b
0 min	100%	0%
0.1 min	72%	28%
25 min	47%	53%
25.1 min	0%	100%
30 min	stop	

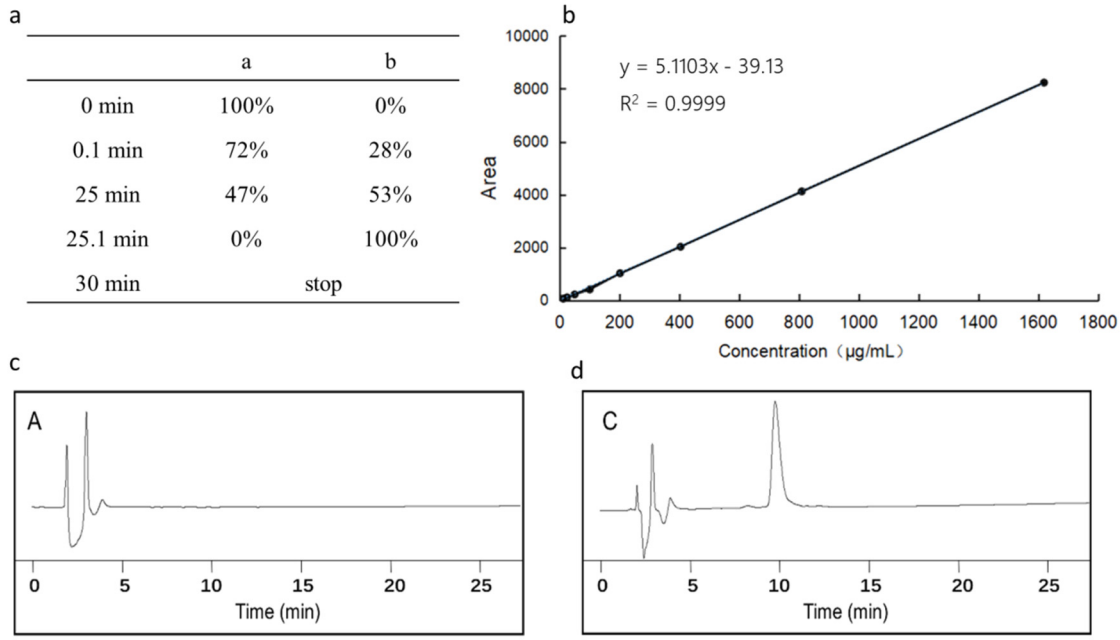

Figure S1. (a) High performance liquid chromatography conditions. (b) Standard curve of exenatide. (c-d) Specificity: HPLC chromatograms of methanol (c) and exenatide (d).

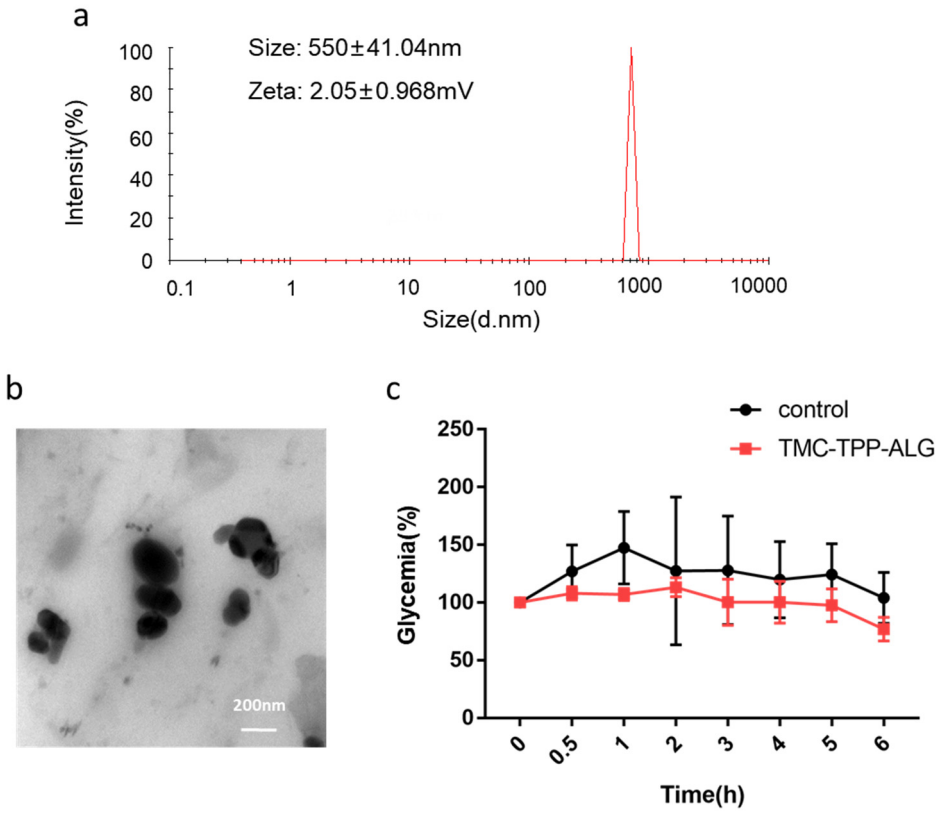

Figure S2. (a) The size distribution and zeta potential of TMC-TPP-ALG. (b) TEM image of TMC-TPP-ALG. (c) Pharmacodynamics of exenatide in rats with oral administration of TMC-TPP-ALG at a dose of 650 μg/kg.

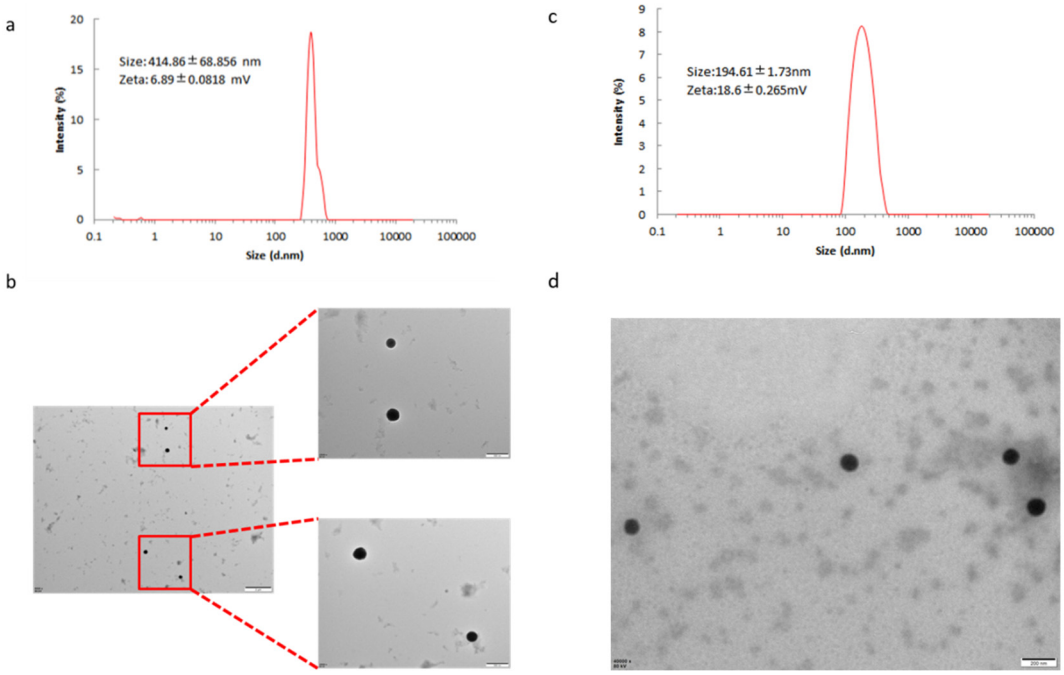

Figure S3. Characterization and morphology analysis of Rho-NPs and CS-TPP. (a) The size distribution and zeta potential of Rho-NPs. (b) TEM images of Rho-NPs. The scale bars of the left figure and right figures are 2 μm and 500 nm, respectively. (c) The size distribution and zeta potential of CS-TPP.(d) TEM image of CS-TPP. The scale bar: 200 nm