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Electronic Supplementary Information

Drug binding rate regulates properties of polysaccharide prodrugs

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Tissue response evaluations

The 4 − 5 weeks old female BALB/c mice were used in the assessments. HES and HES-CHO were dissolved in phosphate-buffered saline (PBS) at concentrations of 1.0, 10.0, and 50.0 mg mL^{-1} and injected into the tibialis anterior muscles in the mice. The muscles that received the injections were isolated 1 week later, fixed in 4% (*W*/*V*) paraformaldehyde, washed, and embedded in paraffin. Tissue sections were cut into about 5.0 mm thick slices, which were placed onto gelatin-coated slides and stained with hematoxylin and eosin (H&E) for histological examinations. The normal muscle without injection was used as control.

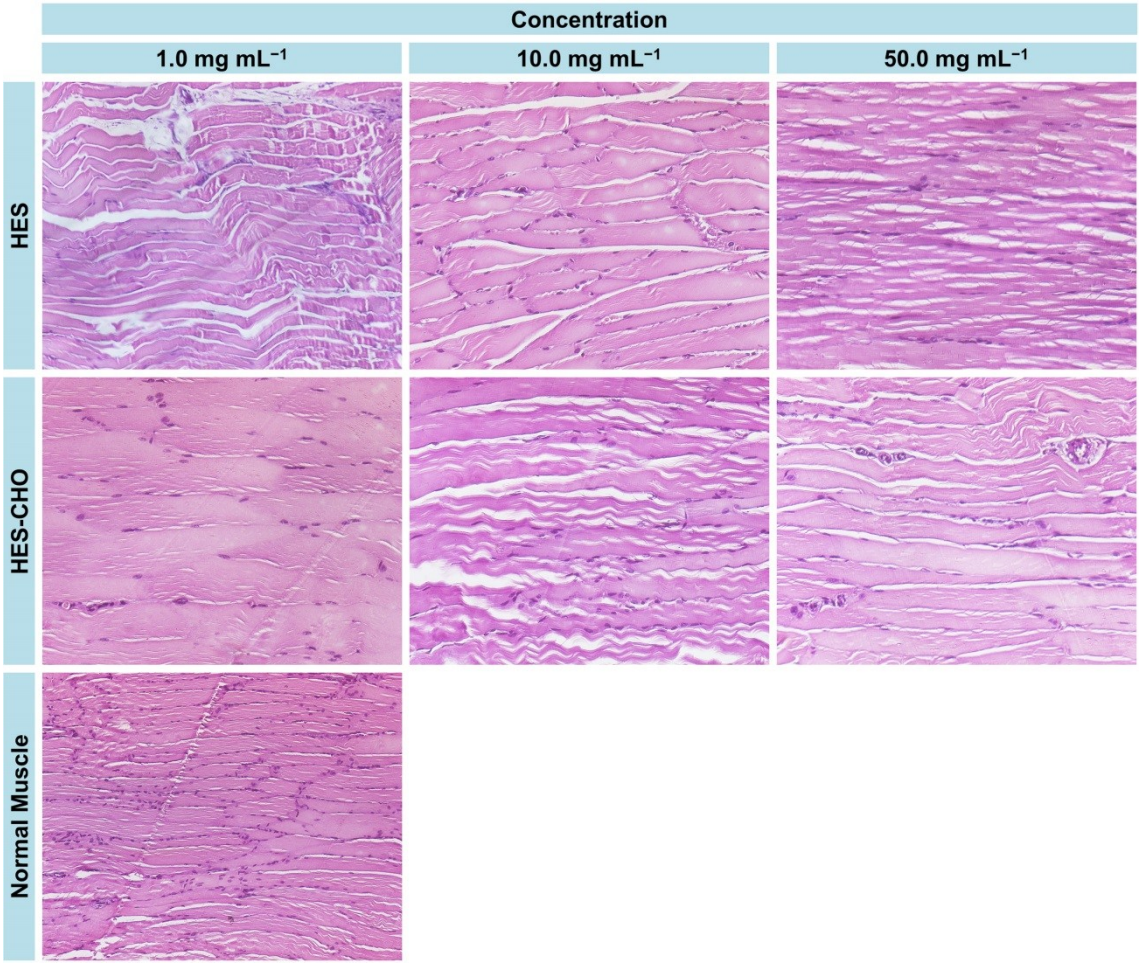

Fig. S1 Tissue responses after intramuscular injections of HES and HES-CHO. The normal musicle without injection was used as control. Tissue sections were analyzed by H&E staining after 1 week post-injection. Magnification: 200 ×.