

Accepted Manuscript

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PII: S0144-8617(17)30489-7
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2017.04.090>
Reference: CARP 12278

To appear in:

Received date: 6-2-2017
Revised date: 25-4-2017
Accepted date: 27-4-2017

Please cite this article as: Zhang, Yiping., Chi, Chengdeng., Huang, Xiaoyi., Zou, Qin., Li, Xiaoxi., & Chen, Ling., Starch-based nanocapsules fabricated through layer-by-layer assembly for oral delivery of protein to lower gastrointestinal tract. *Carbohydrate Polymers* <http://dx.doi.org/10.1016/j.carbpol.2017.04.090>

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Starch-based nanocapsules fabricated through layer-by-layer assembly for oral delivery of protein to lower gastrointestinal tract

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Highlights

- ▶ CMS/QAS colloidal nanocapsules were fabricated through layer by layer assembly.
- ▶ Higher DS and lower M_w of CMS improve the encapsulating efficiency of BSA.
- ▶ CMS with lower DS or M_w benefit to nanocapsules with compact core-shell structure.
- ▶ Nanocapsules fabricated by CMS with lower DS and M_w showed colon-specific release.
- ▶ Nanocapsules structural changes in simulated GIT were modulated by DS and M_w of CMS.

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