

Accepted Manuscript

Title: Photo-crosslinked natural polyelectrolyte multilayer capsules for drug delivery

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PII: S0927-7757(15)30033-9
DOI: <http://dx.doi.org/doi:10.1016/j.colsurfa.2015.06.014>
Reference: COLSUA 19957

To appear in: *Colloids and Surfaces A: Physicochem. Eng. Aspects*

Received date: 13-3-2015
Revised date: 5-6-2015
Accepted date: 7-6-2015

Please cite this article as: Narisu Hu, Johannes Frueh, Ce Zheng, Bin Zhang, Qiang He, Photo-crosslinked natural polyelectrolyte multilayer capsules for drug delivery, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* <http://dx.doi.org/10.1016/j.colsurfa.2015.06.014>

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Photo-crosslinked Natural Polyelectrolyte Multilayer Capsules for Drug Delivery

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Highlights

- Chitosan and Alginate PEMs can be crosslinked using 4-vinyl-benzyl chloride
- Diffusion of Fluorescein isothiocyanate through the PEM is decreased by factor 3.8
- Diffusion of model drugs like doxorubicin hydrochloride is decreased by factor 2.5
- PEM crosslinking using 4-vinyl-benzyl chloride is done by a 2 step reaction

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