

## Accepted Manuscript

Title: pH-responsive carboxymethyl chitosan-derived micelles as apatinib carriers for effective anti-angiogenesis activity: preparation and in vitro evaluation

Authors: Yixing Dai, Shuo Wang, Weibin Shi, Meidong Lang



PII: S0144-8617(17)30877-9  
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2017.08.011>  
Reference: CARP 12618

To appear in:

Received date: 16-2-2017  
Revised date: 31-7-2017  
Accepted date: 3-8-2017

Please cite this article as: Dai, Yixing., Wang, Shuo., Shi, Weibin., & Lang, Meidong., pH-responsive carboxymethyl chitosan-derived micelles as apatinib carriers for effective anti-angiogenesis activity: preparation and in vitro evaluation. *Carbohydrate Polymers* <http://dx.doi.org/10.1016/j.carbpol.2017.08.011>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**pH-responsive carboxymethyl chitosan-derived micelles as apatinib carriers for effective anti-angiogenesis activity: preparation and in vitro evaluation**

Yixing Dai<sup>a, 1</sup>, Shuo Wang<sup>b, c, 1</sup>, Weibin Shi<sup>b, c, \*</sup>, Meidong Lang<sup>a, d, \*</sup>

<sup>a</sup> Key Laboratory of Advanced Polymeric Materials, School of Materials Science and Engineering, East China University of Science and Technology, Shanghai, 200237, China

<sup>b</sup> Department of General Surgery and Laboratory of General Surgery, Xinhua Hospital, Affiliated to School of Medicine, Shanghai Jiao Tong University, Shanghai, 200092, China

<sup>c</sup> Institute of Biliary Tract Diseases Research, School of Medicine, Shanghai Jiao Tong University, Shanghai, 200092, China

<sup>d</sup> Shanghai Collaborative Innovation Center for Biomanufacturing, 130 Meilong Road, Shanghai, 200237, China

<sup>1</sup> Both authors contributed equally.

\* Corresponding author.

\* Weibin Shi, E-mail address: weibindr@aliyun.com; Tel: +86-21-25077874;

\* Meidong Lang, E-mail address: mdlang@ecust.edu.cn; Tel: +86-21-64253916.

Download English Version:

<https://daneshyari.com/en/article/5156546>

Download Persian Version:

<https://daneshyari.com/article/5156546>

[Daneshyari.com](https://daneshyari.com)