## Accepted Manuscript

Enzyme-responsive peptide dendrimer-gemcitabine conjugate as a controlledrelease drug delivery vehicle with enhanced antitumor efficacy

Chengyuan Zhang, Dayi Pan, Jin Li, Jiani Hu, Ashika Bains, Nicholas Guys, Hongyan Zhu, Xiaohui Li, Kui Luo, Qiyong Gong, Zhongwei Guc

PII:	S1742-7061(17)30162-9
DOI:	http://dx.doi.org/10.1016/j.actbio.2017.02.047
Reference:	ACTBIO 4768
To appear in:	Acta Biomaterialia
Received Date:	5 October 2016
Revised Date:	25 February 2017
Accepted Date:	28 February 2017



Please cite this article as: Zhang, C., Pan, D., Li, J., Hu, J., Bains, A., Guys, N., Zhu, H., Li, X., Luo, K., Gong, Q., Guc, Z., Enzyme-responsive peptide dendrimer-gemcitabine conjugate as a controlled-release drug delivery vehicle with enhanced antitumor efficacy, *Acta Biomaterialia* (2017), doi: http://dx.doi.org/10.1016/j.actbio.2017.02.047

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.

## ACCEPTED MANUSCRIPT

Enzyme-responsive peptide dendrimer-gemcitabine conjugate as a controlled-release drug delivery vehicle with enhanced antitumor efficacy Chengyuan Zhang,<sup>†, a, b</sup> Dayi Pan,<sup>†, c</sup> Jin Li,<sup>b</sup> Jiani Hu,<sup>d</sup> Ashika Bains,<sup>d</sup> Nicholas Guys,<sup>d</sup> Hongyan Zhu,<sup>a</sup> Xiaohui Li,<sup>b</sup> Kui Luo,<sup>\*, a</sup> Qiyong Gong,<sup>a</sup> and Zhongwei Gu<sup>\*, c</sup>

<sup>a</sup>Huaxi MR Research Center (HMRRC), Department of Radiology, West China Hospital, Sichuan University, Chengdu 610041, China. E-mail: luokui@scu.edu.cn <sup>b</sup>Institute of Materia Medica, College of Pharmacy, Third Military Medical University, Chongqing 400038, China.

<sup>c</sup>National Engineering Research Center for Biomaterials, Sichuan University, Chengdu 610064, China. E-mail: <u>zwgu@scu.edu.cn</u>

<sup>d</sup>Department of Radiology, Wayne State University, Detroit, MI 48201, USA

<sup>†</sup> Chengyuan Zhang and Dayi Pan contributed equally to this work.

Download English Version:

## https://daneshyari.com/en/article/6449220

Download Persian Version:

https://daneshyari.com/article/6449220

Daneshyari.com