Accepted Manuscript

Self-controlled release of Oxaliplatin prodrug from d- α -tocopheryl polyethylene glycol 1000 succinate (TPGS) functionalized mesoporous silica nanoparticles for cancer therapy

Chaoyu Liang, Heping Wang, Min Zhang, Wei Cheng, Zihuang Li, Junpeng Nie, Gan Liu, Daizheng Lian, Zhenhua Xie, Laiqiang Huang, Xiaowei Zeng

PII: S0021-9797(18)30444-2

DOI: https://doi.org/10.1016/j.jcis.2018.04.058

Reference: YJCIS 23523

To appear in: Journal of Colloid and Interface Science

Received Date: 25 December 2017 Revised Date: 12 April 2018 Accepted Date: 15 April 2018



Please cite this article as: C. Liang, H. Wang, M. Zhang, W. Cheng, Z. Li, J. Nie, G. Liu, D. Lian, Z. Xie, L. Huang, X. Zeng, Self-controlled release of Oxaliplatin prodrug from d-α-tocopheryl polyethylene glycol 1000 succinate (TPGS) functionalized mesoporous silica nanoparticles for cancer therapy, *Journal of Colloid and Interface Science* (2018), doi: https://doi.org/10.1016/j.jcis.2018.04.058

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

Self-controlled release of Oxaliplatin prodrug from d-α-tocopheryl polyethylene

glycol 1000 succinate (TPGS) functionalized mesoporous silica nanoparticles for

cancer therapy

Chaoyu Liang^{a,b,1}, Heping Wang^{c,1}, Min Zhang^{d,1}, Wei Cheng^{a,b}, Zihuang

Li^{e,*}, Junpeng Nie^b, Gan Liu^f, Daizheng Lian^e, Zhenhua Xie^b, Laigiang Huang^{a,b,*},

Xiaowei Zenga,b,f,*

^a Department of Chemistry, Tsinghua University, Beijing 100084, China

^b Precision Medicine and Healthcare Research Center, Tsinghua-Berkeley Shenzhen

Institute (TBSI), The Shenzhen Key Lab of Gene and Antibody Therapy, and Division

of Life and Health Sciences, Graduate School at Shenzhen, Tsinghua University,

Shenzhen 518055, China

^c Department of Respiratory Diseases, Shenzhen Children's Hospital, 7019 Yitian

Road, Futian District, Shenzhen 518026, China

^d Shenzhen Xili People's Hospital, Shenzhen 518055, China

^e Department of Radiation Oncology, Second Clinical Medicine College of Jinan

University, Shenzhen Municipal People's Hospital, Shenzhen 518020, China

f School of Pharmaceutical Sciences (Shenzhen), Sun Yat-sen University, Guangzhou

510275, China

These authors contributed equally to this work.

* Corresponding authors.

E-mail: zengxw23@mail.sysu.edu.cn (X. Zeng)

E-mail: huanglq@tsinghua.edu.cn (L. Huang)

E-mail: lizihuang2006@126.com (Z. Li)

1

Download English Version:

https://daneshyari.com/en/article/6990600

Download Persian Version:

https://daneshyari.com/article/6990600

<u>Daneshyari.com</u>