Accepted Manuscript

Title: Functional silica nanoparticles conjugated with beta-glucan to deliver anti-tuberculosis drug molecules

Authors: Jangsun Hwang, Jaewoo Son, Youngmin Seo, Yeonho Jo, Kyungwoo Lee, Dohyun Lee, Muhammad Saad Khan, Sachin Chavan, Chanhwi Park, Anand Sharma, Assaf A. Gilad, Jonghoon Choi

PII: S1226-086X(17)30537-3

DOI: https://doi.org/10.1016/j.jiec.2017.09.051

Reference: JIEC 3654

To appear in:

Received date: 18-9-2016 Revised date: 4-9-2017 Accepted date: 28-9-2017



Please cite this article as: Jangsun Hwang, Jaewoo Son, Youngmin Seo, Yeonho Jo, Kyungwoo Lee, Dohyun Lee, Muhammad Saad Khan, Sachin Chavan, Chanhwi Park, Anand Sharma, Assaf A.Gilad, Jonghoon Choi, Functional silica nanoparticles conjugated with beta-glucan to deliver anti-tuberculosis drug molecules, Journal of Industrial and Engineering Chemistry https://doi.org/10.1016/j.jiec.2017.09.051

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

Functional silica nanoparticles conjugated with beta-glucan to deliver anti-tuberculosis drug molecules

Jangsun Hwang^{1†}, Jaewoo Son^{1†}, Youngmin Seo¹, Yeonho Jo¹, Kyungwoo Lee¹, Dohyun Lee¹, Muhammad Saad Khan¹, Sachin Chavan¹, Chanhwi Park¹, Anand Sharma², Assaf A. Gilad^{3-4*} and Jonghoon Choi^{1*}

¹School of Integrative Engineering, Chung-Ang University, Seoul 06974, Republic of Korea

²Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati,

Kamrup, Assam 781039, India

³Russell H. Morgan Department of Radiology and Radiological Health, Johns Hopkins University School of Medicine, Baltimore MD 21231, USA

⁴Cellular Imaging Section, Institute for Cell Engineering, Johns Hopkins University School of Medicine, Baltimore MD 21231, USA

[†]These authors contributed equally

*Corresponding authors:

Jonghoon Choi, Ph.D.

(E-mail) nanomed@cau.ac.kr

(TEL) +82-2-820-5258

&

Assaf A. Gilad, Ph.D.

(E-mail) assaf.gilad@jhu.edu

(TEL) +1-410-502-8188

Download English Version:

https://daneshyari.com/en/article/6667257

Download Persian Version:

https://daneshyari.com/article/6667257

<u>Daneshyari.com</u>