

Accepted Manuscript

Quantitative contributions of processes by which polyanion drugs reduce intracellular bioavailability and transfection efficiency of cationic siRNA lipoplex

Pharavee Jaiprasart, Bertrand Z. Yeung, Ze Lu, M. Guillaume Wientjes, Minjian Cui, Chien-Ming Hsieh, Sukyung Woo, Jessie L.-S. Au



PII: S0168-3659(17)31058-1
DOI: doi:[10.1016/j.jconrel.2017.12.001](https://doi.org/10.1016/j.jconrel.2017.12.001)
Reference: COREL 9081
To appear in: *Journal of Controlled Release*
Received date: 23 April 2017
Revised date: 7 November 2017
Accepted date: 1 December 2017

Please cite this article as: Pharavee Jaiprasart, Bertrand Z. Yeung, Ze Lu, M. Guillaume Wientjes, Minjian Cui, Chien-Ming Hsieh, Sukyung Woo, Jessie L.-S. Au , Quantitative contributions of processes by which polyanion drugs reduce intracellular bioavailability and transfection efficiency of cationic siRNA lipoplex. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Corel(2017), doi:[10.1016/j.jconrel.2017.12.001](https://doi.org/10.1016/j.jconrel.2017.12.001)

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.

Quantitative contributions of processes by which polyanion drugs reduce intracellular bioavailability and transfection efficiency of cationic siRNA lipoplex

Pharavee Jaiprasart^{1,2}, Bertrand Z. Yeung¹⁻³, Ze Lu^{3,4}, M. Guillaume Wientjes^{3,4}, Minjian Cui²⁻⁴, Chien-Ming Hsieh⁵, Sukyung Woo², and Jessie L.-S. Au²⁻⁵

¹ Equal contribution

² Department of Pharmaceutical Sciences, College of Pharmacy, University of Oklahoma Health Sciences Center, Oklahoma City, OK 73117

³ Optimum Therapeutics LLC, Carlsbad, CA 92008

⁴ Institute of Quantitative Systems Pharmacology, Carlsbad, CA 92008

⁵ College of Pharmacy, Taipei Medical University, Taipei, Taiwan, ROC

Corresponding author: Jessie L.-S Au, 1815 Aston Ave, Suite 107, Carlsbad, CA 92008. Tel. (760)438-1155, Fax (760)438-1156

Running Title: Polyanions reduce siRNA activity by multiple mechanisms

Download English Version:

<https://daneshyari.com/en/article/7860464>

Download Persian Version:

<https://daneshyari.com/article/7860464>

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