

Accepted Manuscript

Towards better modeling of drug-loading in solid lipid nanoparticles: Molecular dynamics, docking experiments and Gaussian Processes machine learning

Rania M. Hathout, Abdelkader A. Metwally

PII: S0939-6411(16)30319-8
DOI: <http://dx.doi.org/10.1016/j.ejpb.2016.07.019>
Reference: EJPB 12257

To appear in: *European Journal of Pharmaceutics and Biopharmaceutics*

Received Date: 28 February 2016
Revised Date: 10 April 2016
Accepted Date: 16 July 2016

Please cite this article as: R.M. Hathout, A.A. Metwally, Towards better modeling of drug-loading in solid lipid nanoparticles: Molecular dynamics, docking experiments and Gaussian Processes machine learning, *European Journal of Pharmaceutics and Biopharmaceutics* (2016), doi: <http://dx.doi.org/10.1016/j.ejpb.2016.07.019>

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.



Towards better modeling of drug-loading in solid lipid nanoparticles:**Molecular dynamics, docking experiments and Gaussian Processes machine learning****Rania M. Hathout^{1,2,3*} and Abdelkader A. Metwally¹**

¹Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.

²Bioinformatics program, Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt.

³Department of Pharmaceutical Technology, Faculty of Pharmacy and Biotechnology, German University in Cairo (GUC), Cairo, Egypt.

*Correspondence: Rania M. Hathout, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Ain Shams University, African Union St., 11566 Cairo, Egypt.

Tel: +2 (0) 100 5254919

+ 2 02 22912685

Fax: +2 02 24011507

E-mail: r_hathout@yahoo.com

Download English Version:

<https://daneshyari.com/en/article/8412385>

Download Persian Version:

<https://daneshyari.com/article/8412385>

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