Accepted Manuscript

Spray dried cubosomes with ovalbumin and Quil-A as a nanoparticulate dry powder vaccine formulation

Christoffer von Halling Laier, Blake Gibson, Marco van de Weert, Ben J. Boyd, Thomas Rades, Anja Boisen, Sarah Hook, Line Hagner Nielsen

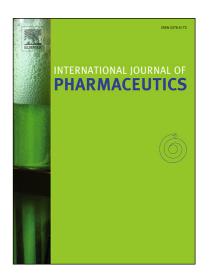
PII: S0378-5173(18)30614-8

DOI: https://doi.org/10.1016/j.ijpharm.2018.08.036

Reference: IJP 17721

To appear in: International Journal of Pharmaceutics

Received Date: 8 May 2018
Revised Date: 17 August 2018
Accepted Date: 18 August 2018



Please cite this article as: C. von Halling Laier, B. Gibson, M. van de Weert, B.J. Boyd, T. Rades, A. Boisen, S. Hook, L. Hagner Nielsen, Spray dried cubosomes with ovalbumin and Quil-A as a nanoparticulate dry powder vaccine formulation, *International Journal of Pharmaceutics* (2018), doi: https://doi.org/10.1016/j.ijpharm. 2018.08.036

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

Spray dried cubosomes with ovalbumin and Quil-A as a nanoparticulate dry powder vaccine formulation

Christoffer von Halling Laier^{a*}, Blake Gibson^b, Marco van de Weert^c, Ben J. Boyd^d, Thomas Rades^{c,e}, Anja Boisen^a, Sarah Hook^b, Line Hagner Nielsen^a

^aDepartment of Micro- and Nanotechnology, Technical University of Denmark, Oersteds Plads 345C, 2800 Kgs. Lyngby, Denmark

^bSchool of Pharmacy, University of Otago, Frederick street 18, Dunedin 9054, New Zealand

^cDepartment of Pharmacy, Faculty of Health and Medical Sciences, University of Copenhagen, Universitetsparken 2, 2100 Copenhagen, Denmark

^dDrug Delivery, Disposition and Dynamics, and ARC Centre of Excellence in Convergent Bio-Nano Science and Technology, Monash Institute of Pharmaceutical Sciences, Monash University (Parkville Campus), 381 Royal Parade, Parkville, VIC 3052, Australia

^eFaculty of Science and Engineering, Åbo Akademi University, Tykistökatu 6A, 20521 Turku, Finland

Phone: +45 45 25 57 87, E-mail: cvohal@nanotech.dtu.dk (C. von Halling Laier)

1

^{*} Corresponding author: Department of Micro- and Nanotechnology, Technical University of Denmark, Oersteds Plads 345C, 2800 Kgs. Lyngby, Denmark.

Download English Version:

https://daneshyari.com/en/article/8950058

Download Persian Version:

https://daneshyari.com/article/8950058

<u>Daneshyari.com</u>