

## Accepted Manuscript

Design and characterization of emulsified spray dried alginate microparticles as a carrier for the dually acting drug roflumilast

Azza A. Mahmoud, Nermeen A. Elkasabgy, Abdel Fatah A. Abdelkhalek



PII: S0928-0987(18)30271-9

DOI: [doi:10.1016/j.ejps.2018.06.015](https://doi.org/10.1016/j.ejps.2018.06.015)

Reference: PHASCI 4557

To appear in: *European Journal of Pharmaceutical Sciences*

Received date: 29 March 2018

Revised date: 19 May 2018

Accepted date: 15 June 2018

Please cite this article as: Azza A. Mahmoud, Nermeen A. Elkasabgy, Abdel Fatah A. Abdelkhalek , Design and characterization of emulsified spray dried alginate microparticles as a carrier for the dually acting drug roflumilast. Phasci (2018), doi:[10.1016/j.ejps.2018.06.015](https://doi.org/10.1016/j.ejps.2018.06.015)

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.

**Design and characterization of emulsified spray dried alginate microparticles as a carrier for the dually acting drug roflumilast**

**Azza A. Mahmoud<sup>a,b</sup>, Nermeen A. Elkasabgy<sup>c,\*</sup>, Abdel Fatah A. Abdelkhalek<sup>d</sup>**

<sup>a</sup>Department of Pharmaceutics and Pharmaceutical Technology, Faculty of Pharmaceutical Sciences and Pharmaceutical Industries, Future University in Egypt, Cairo, Egypt, <sup>b</sup>Department of Pharmaceutical Technology, Pharmaceutical and Drug Industries Research Division, National Research Center, Dokki, Cairo, Egypt, <sup>c</sup>Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, Kasr El-Aini Street, Cairo, Egypt, <sup>d</sup>Department of Microbiology, Faculty of Oral & Dental Medicine, Future University in Egypt, Cairo, Egypt.

**\* Corresponding author**

Address: Nermeen Adel Elkasabgy, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, Kasr El-Aini Street, 11562 Cairo, Egypt

E-mail: nermeen.ahmed.elkasabgy@pharma.cu.edu.eg

**Running head**

Emulsified spray dried alginate microparticles as a carrier of roflumilast

Download English Version:

<https://daneshyari.com/en/article/8510851>

Download Persian Version:

<https://daneshyari.com/article/8510851>

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