

# Accepted Manuscript

Title: Characterization of hybrid microparticles/Montmorillonite composite with raspberry-like morphology for Atorvastatin controlled release



Authors: Perla García-Guzmán, Luis Medina-Torres, Fausto Calderas, María Josefa Bernad-Bernad, Jesús Gracia-Mora, Baltasar Mena, Octavio Manero

PII: S0927-7765(18)30224-8

DOI: <https://doi.org/10.1016/j.colsurfb.2018.04.020>

Reference: COLSUB 9273

To appear in: *Colloids and Surfaces B: Biointerfaces*

Received date: 30-12-2017

Revised date: 22-3-2018

Accepted date: 4-4-2018

Please cite this article as: Perla García-Guzmán, Luis Medina-Torres, Fausto Calderas, María Josefa Bernad-Bernad, Jesús Gracia-Mora, Baltasar Mena, Octavio Manero, Characterization of hybrid microparticles/Montmorillonite composite with raspberry-like morphology for Atorvastatin controlled release, *Colloids and Surfaces B: Biointerfaces* <https://doi.org/10.1016/j.colsurfb.2018.04.020>

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.

## Characterization of hybrid microparticles/Montmorillonite composite with raspberry-like morphology for Atorvastatin controlled release

Perla García-Guzmán<sup>a</sup>, Luis Medina-Torres<sup>b</sup>, Fausto Calderas<sup>c</sup>, María Josefa Bernad-Bernad<sup>b</sup>, Jesús Gracia-Mora<sup>b</sup>, Baltasar Mena<sup>d</sup>, Octavio Manero<sup>a\*</sup>

<sup>a\*</sup> Instituto de Investigaciones en Materiales, Universidad Nacional Autónoma de México (UNAM). Circuito Exterior S/N, Coyoacán, Cd. Universitaria C.P.04510, Ciudad de México, México.

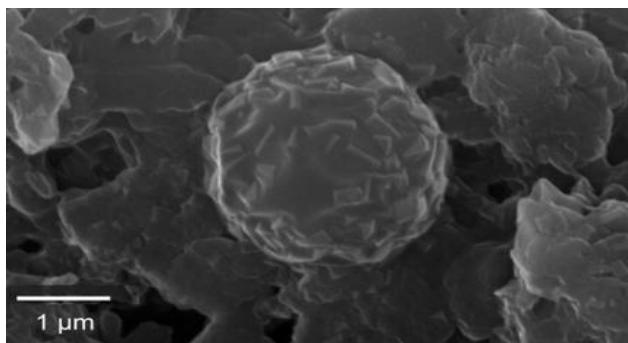
<sup>b</sup> Facultad de Química, Universidad Nacional Autónoma de México (UNAM). Circuito Exterior S/N, Coyoacán, Cd. Universitaria C.P.04510, Ciudad de México, México.

<sup>c</sup> Facultad de Estudios Superiores (FES) Zaragoza, Universidad Nacional Autónoma de México (UNAM). Campus II Batalla 5 de mayo s/n esquina Fuerte de Loreto, Col. Ejército de Oriente, Iztapalapa C.P. 09230, Ciudad de México, México.

<sup>d</sup> Instituto de Ingeniería, Universidad Nacional Autónoma de México (UNAM). Circuito Exterior S/N, Coyoacán, Cd. Universitaria C.P.04510, Ciudad de México, México.

### Graphical abstract

SEM images depict a new *raspberry-like* structure in which the MMT is adsorbed on the MP surface mainly by electrostatic attraction.



Download English Version:

<https://daneshyari.com/en/article/6980450>

Download Persian Version:

<https://daneshyari.com/article/6980450>

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