### Accepted Manuscript

Chitosan/alginate nanoparticles as a promising approach for oral delivery of curcumin diglutaric acid for cancer treatment

Feuangthit Niyamissara Sorasitthiyanukarn, Chawanphat Muangnoi, Pahweenvaj Ratnatilaka Na Bhuket, Pornchai Rojsitthisak, Pranee Rojsitthisak

PII: S0928-4931(17)32634-6

DOI: doi:10.1016/j.msec.2018.07.069

Reference: MSC 8781

To appear in: Materials Science & Engineering C

Received date: 6 July 2017 Revised date: 25 June 2018 Accepted date: 24 July 2018

Please cite this article as: Feuangthit Niyamissara Sorasitthiyanukarn, Chawanphat Muangnoi, Pahweenvaj Ratnatilaka Na Bhuket, Pornchai Rojsitthisak, Pranee Rojsitthisak, Chitosan/alginate nanoparticles as a promising approach for oral delivery of curcumin diglutaric acid for cancer treatment. Msc (2018), doi:10.1016/j.msec.2018.07.069

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

# Chitosan/alginate nanoparticles as a promising approach for oral delivery of curcumin diglutaric acid for cancer treatment

Feuangthit Niyamissara Sorasitthiyanukarn <sup>a,e</sup>, Chawanphat Muangnoi <sup>b,e</sup>, Pahweenvaj Ratnatilaka Na Bhuket <sup>c,e</sup>, Pornchai Rojsitthisak <sup>d,e</sup>, Pranee Rojsitthisak <sup>a,e,\*</sup>

<sup>a</sup> Metallurgy and Materials Science Research Institute, Chulalongkorn University, Bangkok 10330, Thailand

 b Ph.D. Program in Pharmaceutical Chemistry and Natural Products, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok 10330, Thailand
 c Biomedicinal Chemistry Program, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok 10330, Thailand

<sup>d</sup> Department of Food and Pharmaceutical Chemistry, Faculty of Pharmaceutical Sciences,
Chulalongkorn University, Bangkok 10330, Thailand

Pharmaceutical Sciences, Chulalongkorn University, Bangkok 10330, Thailand

<sup>e</sup> Natural Products for Ageing and Chronic Diseases Research Unit, Faculty of

\*Corresponding author. Tel: +662 218 4221; Fax: +662 611 7586

E-mail address: pranee.l@chula.ac.th (P. Rojsitthisak).

Postal address: Metallurgy and Materials Science Research Institute,

Chulalongkorn University, Bangkok 10330, Thailand

#### Download English Version:

# https://daneshyari.com/en/article/7865450

Download Persian Version:

https://daneshyari.com/article/7865450

<u>Daneshyari.com</u>