

Accepted Manuscript

Colloidal characteristics and functionality of rationally designed esculin-loaded hydrogel microcapsules

Marta Tsirigotis-Maniecka, Lilianna Szyk-Warszyńska, Aneta Michna, Piotr Warszyński, Kazimiera A. Wilk

PII: S0021-9797(18)30762-8
DOI: <https://doi.org/10.1016/j.jcis.2018.07.006>
Reference: YJCIS 23797

To appear in: *Journal of Colloid and Interface Science*

Received Date: 16 April 2018
Revised Date: 29 June 2018
Accepted Date: 2 July 2018

Please cite this article as: M. Tsirigotis-Maniecka, L. Szyk-Warszyńska, A. Michna, P. Warszyński, K.A. Wilk, Colloidal characteristics and functionality of rationally designed esculin-loaded hydrogel microcapsules, *Journal of Colloid and Interface Science* (2018), doi: <https://doi.org/10.1016/j.jcis.2018.07.006>

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.



Colloidal characteristics and functionality of rationally designed esculin-loaded hydrogel microcapsules

Marta Tsirigotis-Maniecka^{a*}, Lilianna Szyk-Warszyńska^b, Aneta Michna^b,
Piotr Warszyński^b, Kazimiera A. Wilk^a

^a *Department of Organic and Pharmaceutical Technology, Faculty of Chemistry, Wrocław University of Science and Technology, Wybrzeże Stanisława Wyspiańskiego 27, 50-370, Wrocław, Poland*

^b *Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, Niezapominajek 8, 30-239, Kraków, Poland*

* Corresponding author: Marta Tsirigotis-Maniecka; Tel.: +48 71 320 32 33

E-mail address: marta.tsirigotis@pwr.edu.pl

Keywords:

microgel, polymer microparticles, ionotropic gelation, electrostatic complexation, alginate matrix, polyelectrolyte shell features, stability, controlled release kinetics

Download English Version:

<https://daneshyari.com/en/article/6989556>

Download Persian Version:

<https://daneshyari.com/article/6989556>

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