

## Accepted Manuscript

Magnetic polymer microcapsules loaded with Nile Red fluorescent dye

Marta Bartel, Barbara Wysocka, Pamela Krug, Daria Kępińska, Krystyna Kijewska, Gary J. Blanchard, Katarzyna Kaczyńska, Katarzyna Lubelska, Katarzyna Wiktorska, Paulina Głowala, Marcin Wilczek, Marcin Pisarek, Jacek Szczytko, Andrzej Twardowski, Maciej Mazur



PII: S1386-1425(18)30080-5  
DOI: <https://doi.org/10.1016/j.saa.2018.01.056>  
Reference: SAA 15775

To appear in: *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*

Received date: 25 September 2017  
Revised date: 25 December 2017  
Accepted date: 19 January 2018

Please cite this article as: Marta Bartel, Barbara Wysocka, Pamela Krug, Daria Kępińska, Krystyna Kijewska, Gary J. Blanchard, Katarzyna Kaczyńska, Katarzyna Lubelska, Katarzyna Wiktorska, Paulina Głowala, Marcin Wilczek, Marcin Pisarek, Jacek Szczytko, Andrzej Twardowski, Maciej Mazur, Magnetic polymer microcapsules loaded with Nile Red fluorescent dye. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Saa(2017), <https://doi.org/10.1016/j.saa.2018.01.056>

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.

# Magnetic polymer microcapsules loaded with Nile Red fluorescent dye

*Marta Bartel,<sup>a</sup> Barbara Wysocka,<sup>a</sup> Pamela Krug,<sup>a</sup> Daria Kępińska,<sup>a</sup> Krystyna Kijewska,<sup>b</sup> Gary J. Blanchard,<sup>b</sup> Katarzyna Kaczyńska,<sup>c</sup> Katarzyna Lubelska,<sup>d</sup> Katarzyna Wiktorska,<sup>d</sup> Paulina Głowala,<sup>a</sup> Marcin Wilczek,<sup>a</sup> Marcin Pisarek,<sup>e</sup> Jacek Szczytko,<sup>f</sup> Andrzej Twardowski,<sup>f</sup> and Maciej Mazur<sup>a\*</sup>*

<sup>a</sup> University of Warsaw, Department of Chemistry, Pasteura 1, 02-093 Warsaw, Poland

<sup>b</sup> Michigan State University, Department of Chemistry, East Lansing, MI 48824-1322, USA

<sup>c</sup> Laboratory of Respiration Physiology, Mossakowski Medical Research Centre, Polish Academy of Sciences, Pawińskiego 5, 02-106, Warsaw, Poland

<sup>d</sup> National Medicines Institute, Chełmska 30/34, 00-725 Warsaw, Poland

<sup>e</sup> Institute of Physical Chemistry, Polish Academy of Sciences, Kasprzaka 44/52, 01-224 Warsaw, Poland

<sup>f</sup> Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Pasteura 5, 02-093 Warsaw, Poland

\* corresponding author: mmazur@chem.uw.edu.pl

## Abstract

Fabrication of multifunctional smart vehicles for drug delivery is a fascinating challenge of multidisciplinary research at the crossroads of materials science, physics and biology. We

Download English Version:

<https://daneshyari.com/en/article/7669556>

Download Persian Version:

<https://daneshyari.com/article/7669556>

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