Accepted Manuscript

Title: Physicochemical properties of liposome-incorporated 2-(morpholin-4-yl)ethoxy phthalocyanines and their photodynamic activity against oral cancer cells

Authors: Paulina Skupin-Mrugalska, Wojciech Szczolko, Piotr Gierlich, Krystyna Konopka, Tomasz Goslinski, Jadwiga Mielcarek, Nejat Düzgüneş

PII: \$1010-6030(17)31326-6

DOI: https://doi.org/10.1016/j.jphotochem.2017.12.005

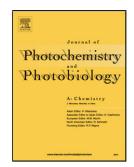
Reference: JPC 11042

To appear in: Journal of Photochemistry and Photobiology A: Chemistry

Received date: 12-9-2017 Revised date: 30-11-2017 Accepted date: 4-12-2017

Please cite this article as: Paulina Skupin-Mrugalska, Wojciech Szczolko, Piotr Gierlich, Krystyna Konopka, Tomasz Goslinski, Jadwiga Mielcarek, Nejat Düzgüneş, Physicochemical properties of liposome-incorporated 2-(morpholin-4-yl)ethoxy phthalocyanines and their photodynamic activity against oral cancer cells, Journal of Photochemistry and Photobiology A: Chemistry https://doi.org/10.1016/j.jphotochem.2017.12.005

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

Physicochemical properties of liposome-incorporated 2-(morpholin-4-yl)ethoxy phthalocyanines and their photodynamic activity against oral cancer cells

Paulina Skupin-Mrugalska^{1*}, Wojciech Szczolko², Piotr Gierlich¹, Krystyna Konopka³, Tomasz Goslinski², Jadwiga Mielcarek¹, Nejat Düzgünes^{3*}

¹ Department of Inorganic and Analytical Chemistry, Poznan University of Medical Sciences, Grunwaldzka 6, 60-780 Poznan, Poland

² Department of Chemical Technology of Drugs, Poznan University of Medical Sciences, Grunwaldzka 6, 60-780 Poznan, Poland

³ Department of Biomedical Sciences, University of the Pacific, Arthur A. Dugoni School of Dentistry, 155 Fifth Street, San Francisco, CA 94103, USA

*Corresponding Authors

Paulina Skupin-Mrugalska – e-mail: p_skupin@wp.pl, Phone: +48 61 854 6606, Fax: +48 61 854 6609; Nejat Düzgüneş – e-mail: nduzgunes@pacific.edu, Phone: +1 415 929 6565; Fax: +1 415 929 6564.

Graphical abstract

Download English Version:

https://daneshyari.com/en/article/6492868

Download Persian Version:

https://daneshyari.com/article/6492868

<u>Daneshyari.com</u>