Accepted Manuscript

Mucus-penetrating nanoparticles: Promising drug delivery systems for the photodynamic therapy of intestinal cancer

Juliane Anderski, Laura Mahlert, Dennis Mulac, Klaus Langer

PII: S0939-6411(18)30162-0

DOI: https://doi.org/10.1016/j.ejpb.2018.05.018

Reference: EJPB 12773

To appear in: European Journal of Pharmaceutics and Biophar-

maceutics

Received Date: 1 February 2018 Revised Date: 14 May 2018 Accepted Date: 16 May 2018



Please cite this article as: J. Anderski, L. Mahlert, D. Mulac, K. Langer, Mucus-penetrating nanoparticles: Promising drug delivery systems for the photodynamic therapy of intestinal cancer, *European Journal of Pharmaceutics and Biopharmaceutics* (2018), doi: https://doi.org/10.1016/j.ejpb.2018.05.018

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

Mucus-penetrating nanoparticles: Promising drug delivery systems for the photodynamic therapy of intestinal cancer

Juliane Anderski, Laura Mahlert, Dennis Mulac, Klaus Langer*

Institute of Pharmaceutical Technology and Biopharmacy,

University of Muenster,

Corrensstraße 48,

48149 Muenster, Germany

* to whom correspondence should be addressed

Phone: +49 251 8339860 Fax: +49 251 8339308

Mail: k.langer@uni-muenster.de

Further e-mail addresses:

Juliane Anderski: j.anderski@uni-muenster.de
Laura Mahlert: l.mahlert@uni-muenster.de
Dennis Mulac: mulac.dennis@uni-muenster.de

Funding:

The authors acknowledge the financial support by the German Federal Ministry of Education and Research (BMBF; project 13N13423) and biolitec research GmbH Jena for kindly providing the photosensitizer *m*THPP. The authors state, that both contributors were not involved in this study.

Keywords:

Nanoparticles, mucus, penetration, Caco-2, photodynamic therapy, poly(ethylene glycol), chitosan, poly(lactic-co-glycolic acid), intestinal cancer

Download English Version:

https://daneshyari.com/en/article/8411665

Download Persian Version:

https://daneshyari.com/article/8411665

<u>Daneshyari.com</u>