Accepted Manuscript

N-(2-Hydroxypropyl)methacrylamide polymer conjugated pyropheophorbidea, a promising tumor-targeted theranostic probe for photodynamic therapy and imaging

Jun Fang, Vladimír Šubr, Waliul Md. Islam, Steffen Hackbarth, Rayhanul Md. Islam, Tomá š Etrych, Karel Ulbrich, Hiroshi Maeda

PII: S0939-6411(18)30493-4

DOI: https://doi.org/10.1016/j.ejpb.2018.06.005

Reference: EJPB 12798

To appear in: European Journal of Pharmaceutics and Biophar-

maceutics

Received Date: 17 April 2018 Revised Date: 6 June 2018 Accepted Date: 6 June 2018



Please cite this article as: J. Fang, V. Šubr, W. Md. Islam, S. Hackbarth, R. Md. Islam, T. Etrych, K. Ulbrich, H. Maeda, *N*-(2-Hydroxypropyl)methacrylamide polymer conjugated pyropheophorbide-a, a promising tumortargeted theranostic probe for photodynamic therapy and imaging, *European Journal of Pharmaceutics and Biopharmaceutics* (2018), doi: https://doi.org/10.1016/j.ejpb.2018.06.005

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

Original Article

For European Journal of Pharmaceutics and Biopharmaceutics

Revision (EJPB_2018_449)

Running title: Polymeric PDT/PDD probe HPMA-pyropheophorbide a

N-(2-Hydroxypropyl)methacrylamide polymer conjugated pyropheophorbide-a, a promising tumor-targeted theranostic probe for photodynamic therapy and imaging

Jun Fang ^{a, *, 1}, Vladimír Šubr ^{b, 1}, Waliul Md. Islam ^c, Steffen Hackbarth ^d, Rayhanul Md. Islam ^a, Tomáš Etrych ^b, Karel Ulbrich ^b, Hiroshi Maeda ^{c, e, f, *}

* Corresponding to Jun Fang, Faculty of Pharmaceutical Sciences, Sojo University, Ikeda 4-22-1, Kumamoto Nishi-ku, Japan 860-0082; Tel: +81-96-326-4137; Fax: +81-96-326-5048;

^a Laboratory of Microbiology and Oncology, Faculty of Pharmaceutical Sciences, Sojo University, Kumamoto, 860-0082, Japan.

^b Institute of Macromolecular Chemistry, Czech Academy of Sciences, Heyrovsky sq. 2, 16206, Prague 6, Czech Republic

^c Department of Microbiology, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, 860-8556, Japan.

^d Institute of Physics, Photobiophysics, Humboldt University of Berlin, Newtonstr. 15, 12489 Berlin, Germany.

^e BioDynamics Research Foundation, Kumamoto, 862-0954, Japan

f Osaka University Graduate School of Medicine, Suita, Osaka, Japan.

¹ JF and VS equally contributed to this work.

Download English Version:

https://daneshyari.com/en/article/8411644

Download Persian Version:

https://daneshyari.com/article/8411644

<u>Daneshyari.com</u>