

Accepted Manuscript

Title: Doughnut-shaped bovine serum albumin nanoparticles loaded with doxorubicin for overcoming multidrug-resistance in cancer cells

Authors: Zahra Kayani, Omidreza Firuzi, Abdol-Khalegh Bordbar



PII: S0141-8130(17)31222-9
DOI: <https://doi.org/10.1016/j.ijbiomac.2017.10.041>
Reference: BIOMAC 8336

To appear in: *International Journal of Biological Macromolecules*

Received date: 8-4-2017
Revised date: 8-10-2017
Accepted date: 9-10-2017

Please cite this article as: Zahra Kayani, Omidreza Firuzi, Abdol-Khalegh Bordbar, Doughnut-shaped bovine serum albumin nanoparticles loaded with doxorubicin for overcoming multidrug-resistance in cancer cells, *International Journal of Biological Macromolecules* <https://doi.org/10.1016/j.ijbiomac.2017.10.041>

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.

Overcoming cancer with Doughnut-shaped BSA nanoparticles

Doughnut-shaped bovine serum albumin nanoparticles loaded with doxorubicin for overcoming multidrug-resistance in cancer cells

Zahra Kayani¹, Omidreza Firuzi^{*2} and Abdol-Khalegh Bordbar^{*3}

¹ Department of Biotechnology, Faculty of Advanced Sciences and Technologies, University of Isfahan, Isfahan, 81746-73441, Iran

² Medicinal and Natural Products Chemistry Research Center, Shiraz University of Medical Sciences, Shiraz, 71345-3388, Iran

³ Department of Chemistry, University of Isfahan, Isfahan, 81746-73441, Iran

*Corresponding authors:

Abdol-Khalegh Bordbar

Department of Chemistry

University of Isfahan

Isfahan, Iran

Phone: (+98)-31-3793-2710

Fax: (+98)-31-3668-9732

Email: bordbar@chem.ui.ac.ir, akbordbar@gmail.com

*Omidreza Firuzi, MD, PhD

Medicinal and Natural Products Chemistry Research Center

Shiraz University of Medical Sciences

Shiraz, Iran

Phone: (+98)-71-3230-3872

Fax: (+98)-71-3233-2225

Email: firuzio@sums.ac.ir

†The contribution of the second and third authors are the same.

Graphical abstract

Download English Version:

<https://daneshyari.com/en/article/8328825>

Download Persian Version:

<https://daneshyari.com/article/8328825>

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