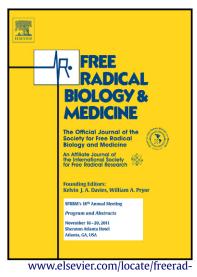
## Author's Accepted Manuscript

PEGylated silver doped zinc oxide nanoparticles as novel photosensitizers for Photodynamic therapy against *Leishmania* 

Akhtar Nadhman, Samina Nazir, Malik Ihsanullah Khan, Syeda Arooj, Muhammad Bakhtiar, Gul Shahnaz, Masoom Yasinzai



biomed

PII:S0891-5849(14)00424-9DOI:http://dx.doi.org/10.1016/j.freeradbiomed.2014.09.005Reference:FRB12142

To appear in: Free Radical Biology and Medicine

Received date: 18 March 2014 Revised date: 22 August 2014 Accepted date: 2 September 2014

Cite this article as: Akhtar Nadhman, Samina Nazir, Malik Ihsanullah Khan, Syeda Arooj, Muhammad Bakhtiar, Gul Shahnaz, Masoom Yasinzai, PEGylated silver doped zinc oxide nanoparticles as novel photosensitizers for Photo-dynamic therapy against *Leishmania*, *Free Radical Biology and Medicine*, http://dx. doi.org/10.1016/j.freeradbiomed.2014.09.005

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 galley proof before it is published in its final citable 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

## PEGylated silver doped zinc oxide nanoparticles as novel photosensitizers for Photodynamic therapy against *Leishmania*

Akhtar Nadhman<sup>1,2</sup>, Samina Nazir<sup>2\*</sup>, Malik Ihsanullah Khan<sup>1</sup>, Syeda Arooj<sup>2,3</sup>, Muhammad Bakhtiar<sup>3</sup>, Gul Shahnaz<sup>4</sup>, Masoom Yasinzai<sup>1</sup>

<sup>1</sup> Department of Biotechnology, Quaid-i-Azam University, Islamabad, Pakistan.

<sup>2</sup> Nanosciences and Catalysis Division, National Centre for physics, Shahdra Valley Road, Quaid-i-Azam University campus, Islamabad, Pakistan.

<sup>3</sup> Department of Chemistry, Hazara University, KPK, Pakistan.

<sup>4</sup> Department of Pharmacy, Quaid-i-Azam University, Islamabad, Pakistan.

\*Corresponding Author Telephone No.: +92-302-8505080 Email: seegasami01@yahoo.com. Download English Version:

## https://daneshyari.com/en/article/8269850

Download Persian Version:

https://daneshyari.com/article/8269850

Daneshyari.com