

Accepted Manuscript

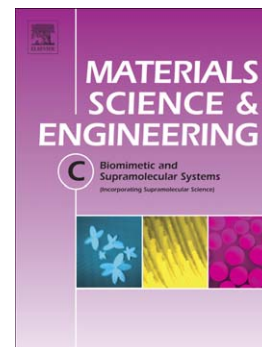
Evaluation of in-vitro cytotoxicity and cellular uptake efficiency of zidovudine-loaded solid lipid nanoparticles modified with Aloe Vera in glioma cells

Joshy K.S, Chandra P. Sharma, Nandakumar Kalarikkal, K. Sandeep., Sabu Thomas, Laly A. Pothen

PII: S0928-4931(16)30202-8
DOI: doi: [10.1016/j.msec.2016.03.031](https://doi.org/10.1016/j.msec.2016.03.031)
Reference: MSC 6295

To appear in: *Materials Science & Engineering C*

Received date: 1 December 2015
Revised date: 2 February 2016
Accepted date: 10 March 2016



Please cite this article as: Joshy K.S, Chandra P. Sharma, Nandakumar Kalarikkal, K. Sandeep., Sabu Thomas, Laly A. Pothen, Evaluation of in-vitro cytotoxicity and cellular uptake efficiency of zidovudine-loaded solid lipid nanoparticles modified with Aloe Vera in glioma cells, *Materials Science & Engineering C* (2016), doi: [10.1016/j.msec.2016.03.031](https://doi.org/10.1016/j.msec.2016.03.031)

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.

Evaluation of In-vitro Cytotoxicity and Cellular Uptake Efficiency of Zidovudine-loaded Solid lipid nanoparticles Modified with Aloe Vera in Glioma cells

**Joshy K.S^{a,c}, Chandra P. Sharma^b, Nandakumar Kalarikkal^{c,d}, Sandeep.K^c, SabuThomas^{c,e,*}
Laly.A.Pothen^{f,*}**

List of Authors

Joshy.K.S

Research scholar

Department of Chemistry, CMS college Kottayam, Kerala, India,

International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam – 686 560, Kerala, India

Chandra. P. Sharma FBAO,FBSE

Senior Scientist G & Head,

Division of Biosurface technology, Biomeical Technology Wing, Sree Chitra Tirunal Institute for Medical Science and Technology, Poojappura, Thiruvananthapuram, Kerala, India

Dr. Nandakumar Kalarikkal

Associate Professor

International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam – 686 560, Kerala, India,

School of Pure and Applied Physics, Mahatma Gandhi University, Kottayam – 686 560, Kerala, India.

Sandeep.K

M.S.Student

International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam – 686 560, Kerala, India

Dr. Laly.A.Pothen

Associate Professor

Department of Chemistry, Bishop Moore College, Mavelikkara, Kerala, India.

Corresponding Author address

Prof. Dr. Sabu Thomas

Director

IIUCNN, M.G.University

Kottayam-686560,

Kerala, India

E-mail: sabuchathukulam@yahoo.co.uk; Fax: +91-481-2731002; Tel:+91-481-2731002

Download English Version:

<https://daneshyari.com/en/article/7866892>

Download Persian Version:

<https://daneshyari.com/article/7866892>

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