

# Accepted Manuscript

Research paper

Design of Multifunctional Peptide Collaborated and Docetaxel Loaded Lipid Nanoparticles for Antiglioma Therapy

Amrita Kadari, Deep Pooja, Ravuri Halley Gora, Sagarika Gudem, Venkata Ramana Murthy Kolapalli, Hitesh Kulhari, Ramakrishna Sistla

PII: S0939-6411(17)30875-5  
DOI: <https://doi.org/10.1016/j.ejpb.2018.09.012>  
Reference: EJPB 12876

To appear in: *European Journal of Pharmaceutics and Biopharmaceutics*

Received Date: 28 July 2017  
Revised Date: 14 September 2018  
Accepted Date: 19 September 2018

Please cite this article as: A. Kadari, D. Pooja, R. Halley Gora, S. Gudem, V. Ramana Murthy Kolapalli, H. Kulhari, R. Sistla, Design of Multifunctional Peptide Collaborated and Docetaxel Loaded Lipid Nanoparticles for Antiglioma Therapy, *European Journal of Pharmaceutics and Biopharmaceutics* (2018), doi: <https://doi.org/10.1016/j.ejpb.2018.09.012>

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.



## Design of Multifunctional Peptide Collaborated and Docetaxel Loaded Lipid Nanoparticles for Antiglioma Therapy

Amrita Kadari<sup>1</sup>, Deep Pooja<sup>1</sup>, Ravuri Halley Gora<sup>1</sup>, Sagarika Gudem<sup>1</sup>, Venkata Ramana Murthy Kolapalli<sup>2</sup>, Hitesh Kulhari<sup>1,3,¥</sup>, Ramakrishna Sistla<sup>1,¥</sup>

<sup>1</sup>Pharmacology & Toxicology Division, CSIR-Indian Institute of Chemical Technology, Hyderabad, India,

<sup>2</sup>Department of Pharmaceutical Sciences, A.U. College Pharmaceutical Sciences, Andhra University, Visakhapatnam, India

<sup>3</sup>School of Nano Sciences, Central University of Gujarat, Gandhinagar, Gujarat-382030, India

### ¥ Corresponding Author

Dr. Sistla Ramakrishna  
Principal Scientist  
Pharmacology & Toxicology Division  
CSIR-Indian Institute of Chemical Technology, Hyderabad  
India  
Email: sistla@iict.res.in  
Telephone No. 040 27193753

Dr. Hitesh Kulhari  
Assistant Professor,  
School of Nano Sciences,  
Central University of Gujarat,  
Sector 30 Campus, Gandhinagar,  
Gujarat-382030, India  
Email: hitesh.kulhari@cug.ac.in; hiteshkulhari@gmail.com

### Abstract

Glioblastoma multiforme (GBM) is one of the most encountered gliomas of the central nervous system. The chemotherapeutic drugs used in the treatment of GBM suffer from poor blood brain barrier penetration, severe systemic toxicities and lack of specificity towards tumor cells. There is an urgent need to explore novel drug delivery systems specifically

Download English Version:

<https://daneshyari.com/en/article/11029360>

Download Persian Version:

<https://daneshyari.com/article/11029360>

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