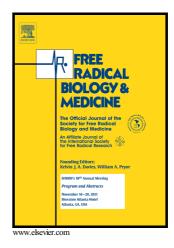
Author's Accepted Manuscript

Low-Density Lipoprotein Docosahexaenoic Acid Nanoparticles Induce Ferroptotic Cell Death in Hepatocellular Carcinoma

Weijun Ou, Rohit S. Mulik, Arnida Anwar, Jeffrey G McDonald, Xiaoshun He, Ian R. Corbin



 PII:
 S0891-5849(17)30746-3

 DOI:
 http://dx.doi.org/10.1016/j.freeradbiomed.2017.09.002

 Reference:
 FRB13440

To appear in: Free Radical Biology and Medicine

Received date: 1 May 2017 Revised date: 25 August 2017 Accepted date: 6 September 2017

Cite this article as: Weijun Ou, Rohit S. Mulik, Arnida Anwar, Jeffrey G McDonald, Xiaoshun He and Ian R. Corbin, Low-Density Lipoprotein Docosahexaenoic Acid Nanoparticles Induce Ferroptotic Cell Death in Hepatocellular Carcinoma, *Free Radical Biology and Medicine*, http://dx.doi.org/10.1016/j.freeradbiomed.2017.09.002

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

Low-Density Lipoprotein Docosahexaenoic Acid Nanoparticles Induce Ferroptotic Cell Death in Hepatocellular Carcinoma

Weijun Ou^{1,2}, Rohit S. Mulik¹, Arnida Anwar¹, Jeffrey G McDonald³, Xiaoshun He^{2*} and Ian R. Corbin^{1, 4*}

¹Advanced Imaging Research Center, University of Texas Southwestern Medical Center at Dallas, Dallas, TX 75390, USA. ²Organ Transplantation Center, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, P.R. China. ³Department of Molecular Genetics, ⁴Internal Medicine Division of Liver and Digestive Diseases, University of Texas Southwestern Medical Center at Dallas, Dallas, TX 75390, USA.

Running Title: LDL-DHA induces ferroptosis in HCC

*Correspondence should be addressed to:

Dr. Ian R. Corbin,

Advanced Imaging Research Center, 5323 Harry Hines Blvd., Dallas, Texas, 75390 Phone: 214-645-7044; Fax: 214-645-2744; E-mail: ian.corbin@utsouthwestern.edu

Dr. Xiaoshun He,

Organ Transplantation Center, The First Affiliated Hospital, Sun Yat-sen University,

No. 58 Zhongshan Er Road, Guangzhou, Guangdong, 510080

E-mail: gdtrc@163.com

Key words:

Nanoparticle, low-density lipoprotein, hepatocellular carcinoma, docosahexaenoic acid, ferroptosis, glutathione peroxidase

Download English Version:

https://daneshyari.com/en/article/5501712

Download Persian Version:

https://daneshyari.com/article/5501712

Daneshyari.com