### **Accepted Manuscript**

Title: Novel pregnenolone derivatives modulate apoptosis via Bcl-2 family genes in hepatocellular carcinoma *in vitro* 

Authors: Manar A. Elhinnawi, Rafat M. Mohareb, Hanaa M. Rady, Wagdy K.B. Khalil, Mervat M. Abd Elhalim, Gamal A. Elmegeed



DOI: https://doi.org/10.1016/j.jsbmb.2018.06.006

Reference: SBMB 5164

To appear in: Journal of Steroid Biochemistry & Molecular Biology

Received date: 24-3-2018 Revised date: 4-6-2018 Accepted date: 5-6-2018

Please cite this article as: Elhinnawi MA, Mohareb RM, Rady HM, Khalil WKB, Abd Elhalim MM, Elmegeed GA, Novel pregnenolone derivatives modulate apoptosis via Bcl-2 family genes in hepatocellular carcinoma *in vitro*, *Journal of Steroid Biochemistry and Molecular Biology* (2018), https://doi.org/10.1016/j.jsbmb.2018.06.006

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.



### ACCEPTED MANUSCRIPT

# Novel pregnenolone derivatives modulate apoptosis via Bcl-2 family genes in hepatocellular carcinoma *in vitro*

# Manar A. Elhinnawi<sup>a</sup>, Rafat M. Mohareb<sup>b</sup>, Hanaa M. Rady<sup>c</sup>, Wagdy K. B. Khalil<sup>d</sup>, Mervat M. Abd Elhalim<sup>a</sup>, Gamal A. Elmegeed<sup>a,\*</sup>

<sup>a</sup> Hormones Department, <sup>c</sup> Chemistry of Natural Compounds Department, <sup>d</sup> Cell Biology Department National Research Centre, Dokki, Giza, Egypt; <sup>b</sup>Chemistry Department, Faculty of Science, Cairo University, Cairo, Egypt

#### \*Corresponding author details:

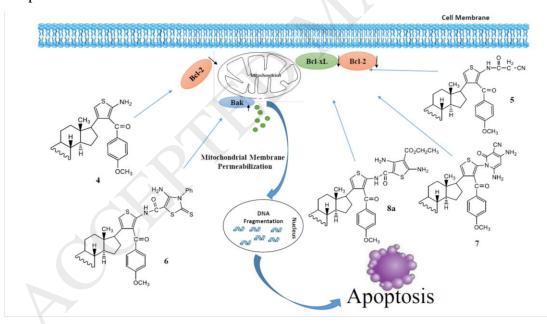
Prof: Gamal A. Elmegeed

Hormones Department, National Research Centre, 12622 Dokki, Giza, Egypt

Tel: +2 02 33872607, Fax: +2 02 33370931

E-mail: gamalae@hotmail.com

#### Graphical abstract



#### Download English Version:

## https://daneshyari.com/en/article/8961911

Download Persian Version:

https://daneshyari.com/article/8961911

<u>Daneshyari.com</u>