

## Accepted Manuscript

Safflower (*Carthamus tinctorius* L.) polysaccharide attenuates cellular apoptosis in steroid-induced avascular necrosis of femoral head by targeting caspase-3-dependent signaling pathway

Daping Cui, Dewei Zhao, Benjie Wang, Baoyi Liu, Lei Yang, Hui Xie, Zihua Wang, Liangliang Cheng, Xing Qiu, Zhijie Ma, Mingyang Yu, Di Wu, Hao Long



PII: S0141-8130(18)31083-3  
DOI: doi:[10.1016/j.ijbiomac.2018.04.181](https://doi.org/10.1016/j.ijbiomac.2018.04.181)  
Reference: BIOMAC 9589

To appear in:

Received date: 6 March 2018  
Revised date: 2 April 2018  
Accepted date: 30 April 2018

Please cite this article as: Daping Cui, Dewei Zhao, Benjie Wang, Baoyi Liu, Lei Yang, Hui Xie, Zihua Wang, Liangliang Cheng, Xing Qiu, Zhijie Ma, Mingyang Yu, Di Wu, Hao Long, Safflower (*Carthamus tinctorius* L.) polysaccharide attenuates cellular apoptosis in steroid-induced avascular necrosis of femoral head by targeting caspase-3-dependent signaling pathway. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Biomac*(2017), doi:[10.1016/j.ijbiomac.2018.04.181](https://doi.org/10.1016/j.ijbiomac.2018.04.181)

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.

***Safflower (Carthamus tinctorius L.) polysaccharide attenuates cellular apoptosis in steroid-induced avascular necrosis of femoral head by targeting caspase-3-dependent signaling pathway***

Daping Cui<sup>a</sup>, Dewei Zhao<sup>a,\*</sup>, Benjie Wang<sup>a</sup>, Baoyi Liu<sup>a</sup>, Lei Yang<sup>a</sup>, Hui Xie<sup>a</sup>,  
Zihua Wang<sup>a</sup>, Liangliang Cheng<sup>a</sup>, Xing Qiu<sup>a</sup>, Zhijie Ma<sup>a</sup>, Mingyang Yu<sup>a</sup>, Di  
Wu, Hao Long<sup>b</sup>

<sup>a</sup> Department of Orthopaedics, Affiliated Zhongshan Hospital of Dalian University, No 6 Jiefang Street, Zhongshan District, Dalian 116001, China

<sup>b</sup> The Second Departments of Orthopedics, Guiyang Fouth People' s Hospital

Correspondence Dewei Zhao, Department of Orthopaedics, Affiliated Zhongshan Hospital of Dalian University, No 6 Jiefang Street, Zhongshan District, Dalian 116001, China

Email: zhaodewei2018@163.com; zhaodewei2016@163.com

Tel. /Fax: +86-411-62893509

Download English Version:

<https://daneshyari.com/en/article/8327009>

Download Persian Version:

<https://daneshyari.com/article/8327009>

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