

Castanea mollissima shell prevents an over expression of inflammatory response and accelerates the dermal wound healing

Pei Luo, Xinjie Li, Yujie Ye, Xiang Shu, Jiaojiao Gong, Jianping Wang



PII: S0378-8741(17)34136-3
DOI: <https://doi.org/10.1016/j.jep.2018.03.020>
Reference: JEP11274

To appear in: *Journal of Ethnopharmacology*

Received date: 14 November 2017
Revised date: 15 March 2018
Accepted date: 16 March 2018

Cite this article as: Pei Luo, Xinjie Li, Yujie Ye, Xiang Shu, Jiaojiao Gong and Jianping Wang, *Castanea mollissima* shell prevents an over expression of inflammatory response and accelerates the dermal wound healing, *Journal of Ethnopharmacology*, <https://doi.org/10.1016/j.jep.2018.03.020>

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.

***Castanea mollissima* shell prevents an over expression of inflammatory response and accelerates the dermal wound healing**

Pei Luo^{a,1}, Xinjie Li^{a,1}, Yujie Ye^{b,1}, Xiang Shu^c, Jiaojiao Gong^a, Jianping Wang^{a,*}

^aCollege of Pharmacy, Huazhong University of Science and Technology, Wuhan 430030, China

^bMedical College of Wuhan University of Science and Technology, Wuhan, 430065, China

^cDepartment of Pharmacy, Wuhan First Hospital, Wuhan 430022, China

*Corresponding author at: Key Laboratory of Natural Medicinal Chemistry and Resources Evaluation of Hubei Province, College of Pharmacy, Huazhong University of Science and Technology, 13# Hangkong Road, Wuhan 430030, PR China. Tel.: +86 27 83697852; fax: +86 27 83692762. jpwang1001@163.com (J. Wang)

ABSTRACT

Ethnopharmacological relevance:

Castanea mollissima shell has been used for wound healing and anti-inflammatory in traditional Chinese medicine. The shell is directly applied on the skin injury as fine powder or as water macerated. Chestnut shell poultice is externally used in the wound healing process and for the treatment of burn.

Aim of the study:

In this context, validations of the ethnotherapeutic claims of the shell in wound healing activity was studied, besides anti-inflammatory activity was performed to understand the mechanism of wound healing potency.

¹ These authors contributed equally to this work.

Download English Version:

<https://daneshyari.com/en/article/8532260>

Download Persian Version:

<https://daneshyari.com/article/8532260>

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