

Cardioprotective effects of oxymatrine on isoproterenol-induced heart failure via regulation of DDAH/ADMA metabolism pathway in rats

Wei Zhang, Jian Zhang, Yansheng Kang, Jingjing Liu, Xiaoqing Wang, Qingbin Xu, Yilei Wang, Xiaoya Xu, Guidong Dai



[www.elsevier.com/locate/ejphar](http://www.elsevier.com/locate/ejphar)

PII: S0014-2999(14)00706-7  
DOI: <http://dx.doi.org/10.1016/j.ejphar.2014.10.001>  
Reference: EJP69557

To appear in: *European Journal of Pharmacology*

Received date: 22 July 2014  
Revised date: 28 September 2014  
Accepted date: 2 October 2014

Cite this article as: Wei Zhang, Jian Zhang, Yansheng Kang, Jingjing Liu, Xiaoqing Wang, Qingbin Xu, Yilei Wang, Xiaoya Xu, Guidong Dai, Cardioprotective effects of oxymatrine on isoproterenol-induced heart failure via regulation of DDAH/ADMA metabolism pathway in rats, *European Journal of Pharmacology*, <http://dx.doi.org/10.1016/j.ejphar.2014.10.001>

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.

**Cardioprotective effects of oxymatrine on isoproterenol-induced heart failure  
via regulation of DDAH/ADMA metabolism pathway in rats**

Wei Zhang<sup>a</sup>, Jian Zhang<sup>b</sup>, Yansheng Kang<sup>a</sup>, Jingjing Liu<sup>a</sup>, Xiaoqing Wang<sup>a</sup>, Qingbin Xu<sup>c</sup>, Yilei Wang<sup>a</sup>, Xiaoya Xu<sup>a</sup>, Guidong Dai<sup>d,\*</sup>

<sup>a</sup> Pharmacy Department of Yulin First Hospital, Second Affiliated Hospital of Yanan University, Yulin Shaanxi, 719000, PR China

<sup>b</sup> Cardiology Department of Yulin First Hospital, Second Affiliated Hospital of Yanan University, Yulin Shaanxi, 719000, PR China

<sup>c</sup> Affiliated Hospital of Ningxia Medical University, 804 Shengli Street, Yinchuan, Ningxia, 750004, PR China

<sup>d</sup> Department of Pharmaceutical Engineering, College of Chemical and Materials Engineering, Kaili University, Kaili Guizhou, 556011, PR China

\* Correspondence: Dr G Dai, Department of Pharmaceutical Engineering, College of Chemical and Materials Engineering, Kaili University, 3 Kaiyuan Road, Kaili, Guizhou 556011, P. R. China. Tel: +86 1878 5598 316. E-mail address: daiguidong@163.com (G. Dai)

Download English Version:

<https://daneshyari.com/en/article/5827709>

Download Persian Version:

<https://daneshyari.com/article/5827709>

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