

Author's Accepted Manuscript

The role of thioredoxin reductase and glutathione reductase in plumbagin-induced, reactive oxygen species-mediated apoptosis in Cancer cell lines

Geun Hye Hwang, Yu Jin Jeon, Joonhyeok Choi, Ho Jae Han, You-Mie Lee, Sangkyu Lee, Jong-Sup Bae, Jong-Wha Jung, Woochul Chang, Lark Kyun Kim, Jun-Goo Jee, Min Young Lee



PII: S0014-2999(15)30232-6
DOI: <http://dx.doi.org/10.1016/j.ejphar.2015.08.058>
Reference: EJP70206

To appear in: *European Journal of Pharmacology*

Received date: 7 May 2015
Revised date: 24 July 2015
Accepted date: 31 August 2015

Cite this article as: Geun Hye Hwang, Yu Jin Jeon, Joonhyeok Choi, Ho Jae Han, You-Mie Lee, Sangkyu Lee, Jong-Sup Bae, Jong-Wha Jung, Woochul Chang, Lark Kyun Kim, Jun-Goo Jee and Min Young Lee, The role of thioredoxin reductase and glutathione reductase in plumbagin-induced, reactive oxygen species-mediated apoptosis in Cancer cell lines, *European Journal of Pharmacology*, <http://dx.doi.org/10.1016/j.ejphar.2015.08.058>

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.

The role of thioredoxin reductase and glutathione reductase in plumbagin-induced, reactive oxygen species-mediated apoptosis in cancer cell lines

Geun Hye Hwang^{1§}, Yu Jin Jeon^{1§}, Joonhyeok Choi¹, Ho Jae Han², You-Mie Lee¹, Sangkyu Lee¹, Jong-Sup Bae¹, Jong-Wha Jung¹, Woochul Chang³, Lark Kyun Kim⁴, Jun-Goo Jee^{1*}, Min Young Lee^{1*}

¹College of Pharmacy, Research Institute of Pharmaceutical Sciences, Kyungpook National University, Daegu, Korea; ²Department of Veterinary Physiology, College of Veterinary Medicine, Seoul National University, Seoul, Korea; ³Department of Biology Education, College of Education, Pusan National University, Busan, Korea; ⁴Department of Immunobiology, Yale University School of Medicine, New Haven, CT, USA

***Corresponding authors**

Min Young Lee, DVM, PhD

Tel: +82-53-950-8577

Fax: +82-53-950-8557

Email: vetmedic@knu.ac.kr

Jun-Goo Jee, PhD

Tel: +82-53-950-8568

Fax: +82-53-950-8557

Email: jjee@knu.ac.kr

[§]These authors contributed equally to this work

Download English Version:

<https://daneshyari.com/en/article/5826878>

Download Persian Version:

<https://daneshyari.com/article/5826878>

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