

Accepted Manuscript

Betanin reduces organophosphate induced cytotoxicity in primary hepatocyte via an anti-oxidative and mitochondrial dependent pathway

Elham Ahmadian, Ahmad Yari Khosroushahi, Mohammad Ali Eghbal, Aziz Eftekhari



PII: S0048-3575(17)30362-0
DOI: doi:[10.1016/j.pestbp.2017.11.009](https://doi.org/10.1016/j.pestbp.2017.11.009)
Reference: YPEST 4144
To appear in: *Pesticide Biochemistry and Physiology*
Received date: 15 August 2017
Revised date: 3 November 2017
Accepted date: 29 November 2017

Please cite this article as: Elham Ahmadian, Ahmad Yari Khosroushahi, Mohammad Ali Eghbal, Aziz Eftekhari , Betanin reduces organophosphate induced cytotoxicity in primary hepatocyte via an anti-oxidative and mitochondrial dependent pathway. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Ypest(2017), doi:[10.1016/j.pestbp.2017.11.009](https://doi.org/10.1016/j.pestbp.2017.11.009)

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.

Betanin reduces organophosphate induced cytotoxicity in primary hepatocyte via an anti-oxidative and mitochondrial dependent pathway

Elham Ahmadian ^{a,b,c}, Ahmad Yari Khosroushahi ^{a,d}, Mohammad Ali Eghbal ^{a,e} *, Aziz Eftekhari ^{b,c,f,g} *

^a Drug Applied Research Center, Tabriz University of Medical Sciences, Tabriz, Iran

^b Pharmacology and Toxicology Department, Maragheh University of Medical Sciences, Maragheh, Iran

^c Toxicology Research Center, Maragheh University of Medical Sciences, Maragheh, Iran

^d Department of Pharmacognosy, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran

^e Pharmacology and Toxicology Department, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran

^f Department of Basic Sciences, Maragheh university of Medical Sciences, Maragheh, Iran

^g Managerial Epidemiology Research Center, Maragheh University of Medical Sciences, Maragheh, Iran

*Addresses for correspondence:

Mohammad Ali Eghbal, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Tabriz University of Medical Sciences, Postal Code 51664-14766, Tabriz, Iran. Tel: (+98) 41-33344798, Fax: (+98)41-33344798, E-mail: m.a.eghbal@hotmail.com

Aziz Eftekhari, Department of Basic Sciences, Maragheh University of Medical Sciences, Postal Code 78151-55158, Maragheh, Iran. Tell: +984169203725 – 30, Fax: +984137256919, PO Box: 78151-55158, Iran, E-mail: ftekhari@ymail.com

Download English Version:

<https://daneshyari.com/en/article/8349186>

Download Persian Version:

<https://daneshyari.com/article/8349186>

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