Accepted Manuscript

Inhibition of glucose-6-phosphate dehydrogenase protects hepatocytes from aluminum phosphide-induced toxicity

Ahmad Salimi, Maryam Paeezi, Bahareh Sadat Yousefsani, Shahin Shadnia, Hossein Hassanian-Moghaddam, Nasim Zamani, Jalal Pourahmad



PII: S0048-3575(17)30188-8

DOI: doi: 10.1016/j.pestbp.2017.08.005

Reference: YPEST 4099

To appear in: Pesticide Biochemistry and Physiology

Received date: 20 April 2017 Revised date: 2 August 2017 Accepted date: 4 August 2017

Please cite this article as: Ahmad Salimi, Maryam Paeezi, Bahareh Sadat Yousefsani, Shahin Shadnia, Hossein Hassanian-Moghaddam, Nasim Zamani, Jalal Pourahmad, Inhibition of glucose-6-phosphate dehydrogenase protects hepatocytes from aluminum phosphide-induced toxicity, *Pesticide Biochemistry and Physiology* (2017), doi: 10.1016/j.pestbp.2017.08.005

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.

ACCEPTED MANUSCRIPT

Inhibition of Glucose-6-Phosphate Dehydrogenase Protects Hepatocytes

from Aluminum Phosphide-Induced Toxicity

Ahmad Salimi ^{1,2}, Maryam Paeezi ³, Bahareh Sadat Yousefsani ⁴, Shahin Shadnia ³, Hossein Hassanian-Moghaddam³, Nasim Zamani^{3*} and Jalal Pourahmad^{1*}

¹ Department of Pharmacology and Toxicology, Faculty of Pharmacy, Shahid Beheshti

University of Medical Sciences, Tehran, Iran

² Department of Pharmacology and Toxicology, School of Pharmacy, Ardabil University of

Medical Science, Ardabil, Iran

³ Toxicological Research Center, Department of Clinical Toxicology, Loghman Hakim

Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran

⁴ Department of Pharmacology and Toxicology, School of Pharmacy, Mashhad University of

Medical Science, Mashhad, Iran

⁴ Department of Pharmacology and Toxicology, Faculty of Pharmacy, Shahid Beheshti

University of Medical Sciences, Tehran, Iran

Running title: G6PD deficiency and ALP toxicity

Corresponding Authors:

Jalal Pourahmad, Prof. of Toxicology and Pharmacology

Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran

P.O. Box: 14155-6153; E-mail: j.pourahmadjaktaji@utoronto.ca:

Phone: +98(21)2255-8786; Fax: +98(21)8820-9620

Nasim Zamani, Assistant Professor of Clinical Toxicology

Toxicological Research Center, Department of Clinical Toxicology, Loghman-Hakim

Hospital Poison Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran;

Email: nasim.zamani@gmail.com

Phone: +98(21)55409534; Fax: +98(21)55409534

Download English Version:

https://daneshyari.com/en/article/8349223

Download Persian Version:

https://daneshyari.com/article/8349223

<u>Daneshyari.com</u>