

Accepted Manuscript

In vitro assessment of the toxicity of lead (Pb²⁺) to phycocyanin

Songwen Tan, Xu Tan, Zhenxing Chi, Dayin Zhang, Weiguo Li



PII: S0045-6535(17)31744-7

DOI: 10.1016/j.chemosphere.2017.10.159

Reference: CHEM 20181

To appear in: *Chemosphere*

Received Date: 30 August 2017

Revised Date: 22 October 2017

Accepted Date: 28 October 2017

Please cite this article as: Songwen Tan, Xu Tan, Zhenxing Chi, Dayin Zhang, Weiguo Li, *In vitro* assessment of the toxicity of lead (Pb²⁺) to phycocyanin, *Chemosphere* (2017), doi: 10.1016/j.chemosphere.2017.10.159

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.

1. Toxicity of Pb^{2+} to phycocyanin is assessed in vitro.
2. Fluorescence quenching process of phycocyanin by Pb^{2+} is static.
3. Pb^{2+} affect the Trp residues more than the Tyr residues.
4. Pb^{2+} affect the phycocyanin skeleton and its secondary structure.

Download English Version:

<https://daneshyari.com/en/article/8852773>

Download Persian Version:

<https://daneshyari.com/article/8852773>

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