Accepted Manuscript

Effect of ultrasound on size, morphology, stability and antioxidant activity of selenium nanoparticles dispersed by a hyperbranched polysaccharide from *Lignosus rhinocerotis*

Wenfei Cai, Ting Hu, Amr M. Bakry, Zhaomin Zheng, Yidong Xiao, Qilin Huang

PII: S1350-4177(17)30591-6
DOI: https://doi.org/10.1016/j.ultsonch.2017.12.022
Reference: ULTSON 4006

To appear in: *Ultrasonics Sonochemistry*

Received Date: 20 October 2017
Revised Date: 13 December 2017
Accepted Date: 14 December 2017

Please cite this article as: W. Cai, T. Hu, A.M. Bakry, Z. Zheng, Y. Xiao, Q. Huang, Effect of ultrasound on size, morphology, stability and antioxidant activity of selenium nanoparticles dispersed by a hyperbranched polysaccharide from *Lignosus rhinocerotis*, *Ultrasonics Sonochemistry* (2017), doi: https://doi.org/10.1016/j.ultsonch.2017.12.022

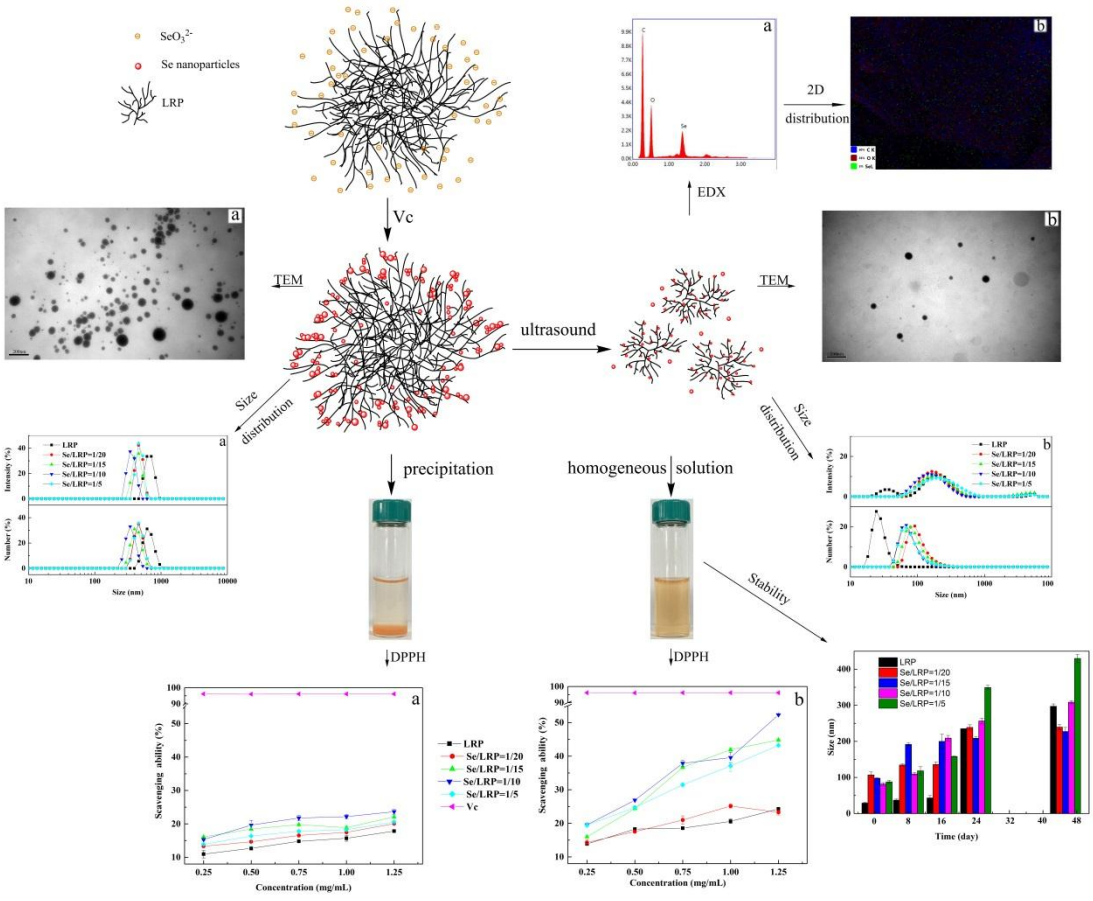
This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please 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

Graphical abstracts

Effect of ultrasound on size, morphology, stability and antioxidant activity of selenium nanoparticles dispersed by a hyperbranched polysaccharide from *Lignosus rhinocerotis*

Wenfei Cai [a], Ting Hu [b], Amr M. Bakry [a, c], Zhaomin Zheng [a], Yidong Xiao [a], Qilin Huang [a, *]



Schematic of ultrasonic-assisted mechanism for the fabrication and stabilization of selenium nanoparticles (SeNPs) in a hyperbranched *Lignosus rhinocerotis* polysaccharide (LRP) and enhancement of their antioxidant activities.

Download English Version:

https://daneshyari.com/en/article/7703468

Download Persian Version:

https://daneshyari.com/article/7703468

Daneshyari.com