

Accepted Manuscript

Title: Preparation, characterization, and α -glycosidase inhibition activity of a carboxymethylated polysaccharide from the residue of *Sarcandra glabra* (Thunb.) Nakai

Author: Wei Liu Cheng Hu Yameng Liu Shijie Dai Weisheng
Lu Xing lv Wenbing Yao Xiangdong Gao



PII: S0141-8130(16)32689-7
DOI: <http://dx.doi.org/doi:10.1016/j.ijbiomac.2017.02.065>
Reference: BIOMAC 7126

To appear in: *International Journal of Biological Macromolecules*

Received date: 29-11-2016
Revised date: 6-2-2017
Accepted date: 17-2-2017

Please cite this article as: W. Liu, C. Hu, Y. Liu, S. Dai, W. Lu, X. lv, W. Yao, X. Gao, Preparation, characterization, and *rm* α -glycosidase inhibition activity of a carboxymethylated polysaccharide from the residue of *Sarcandra glabra* (Thunb.) Nakai, *International Journal of Biological Macromolecules* (2017), <http://dx.doi.org/10.1016/j.ijbiomac.2017.02.065>

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 **Highlights:**

2 --A carboxymethylated polysaccharide (CMSERP) was prepared from the residue of
3 *Sarcandra glabra* (Thunb.) Nakai.

4 -- The structural characteristics were investigated by a combination of chemical and
5 instrumental analysis approaches.

6 --CMSERP exhibited significant α -glycosidase inhibition activity *in vitro*.

7
8
9 **Preparation, characterization, and α -glycosidase inhibition activity of**
10 **a carboxymethylated polysaccharide from the residue of *Sarcandra***
11 ***glabra* (Thunb.) Nakai**

12
13 **Wei Liu ^{a,1}, Cheng Hu ^{a,1}, Yameng Liu ^a, Shijie Dai ^a, Weisheng Lu ^a, Xing lv^a,**
14 **Wenbing Yao ^{a,*}, Xiangdong Gao ^{a,**}**

15 ^a *School of Life Science and Technology, State Key Laboratory of Natural Medicines,*
16 *China Pharmaceutical University, Nanjing 210009, PR China*

Download English Version:

<https://daneshyari.com/en/article/5512078>

Download Persian Version:

<https://daneshyari.com/article/5512078>

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