

## Accepted Manuscript

Title: Structural elucidation of three antioxidative polysaccharides from *Tricholoma lobayense*

Author: Yan Chen Xue-Hui Li Li-Yuan Zhou Wan Li Liu Liu  
Dan-Dan Wang Wen-Na Zhang Sajid Hussain Xiao-He Tian  
Yong-Ming Lu



PII: S0144-8617(16)31170-5  
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2016.10.011>  
Reference: CARP 11631

To appear in:

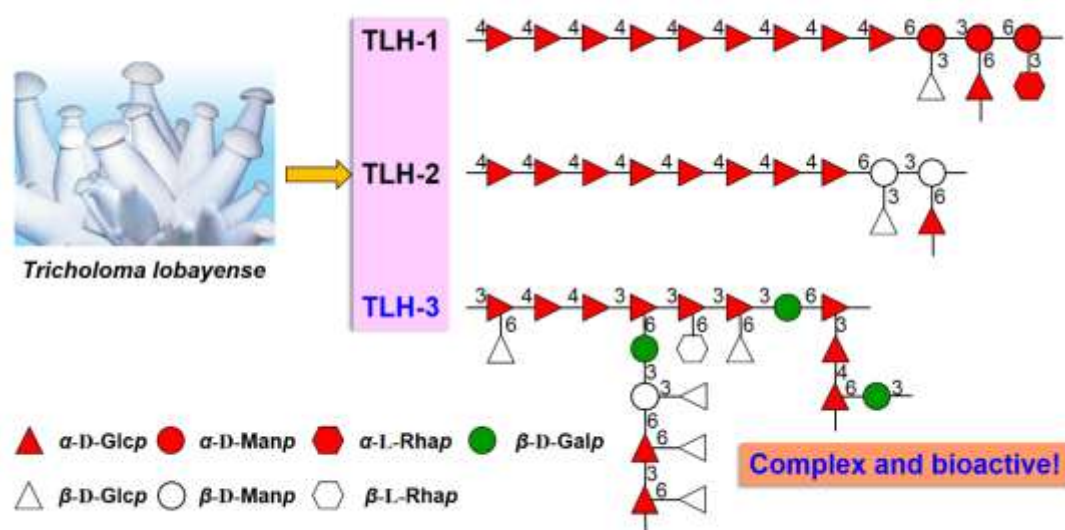
Received date: 29-7-2016  
Revised date: 5-10-2016  
Accepted date: 5-10-2016

Please cite this article as: Chen, Yan., Li, Xue-Hui., Zhou, Li-Yuan., Li, Wan., Liu, Liu., Wang, Dan-Dan., Zhang, Wen-Na., Hussain, Sajid., Tian, Xiao-He., & Lu, Yong-Ming., Structural elucidation of three antioxidative polysaccharides from *Tricholoma lobayense*. *Carbohydrate Polymers* <http://dx.doi.org/10.1016/j.carbpol.2016.10.011>

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.

- Three polysaccharides from *Tricholoma lobayense* were characterized.
- TLH-1 and TLH-2 are glucans with medium molecular weights.
- TLH-3 is a novel glucogalactan with low molecular weight.
- Due to the structural complexity, TLH-3 exhibits excellent antioxidant activity.
- TLH-3 shows great advantages as a new antioxidant agent.

### Graphical abstract



Download English Version:

<https://daneshyari.com/en/article/5157844>

Download Persian Version:

<https://daneshyari.com/article/5157844>

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