

## Accepted Manuscript

Title: Enzymatic production of specifically distributed hyaluronan oligosaccharides

Author: Panhong Yuan Mengxian Lv Peng Jin Miao Wang  
Guocheng Du Jian Chen Zhen Kang



PII: S0144-8617(15)00394-X  
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2015.04.068>  
Reference: CARP 9899

To appear in:

Received date: 7-1-2015  
Revised date: 24-4-2015  
Accepted date: 25-4-2015

Please cite this article as: Yuan, P., Lv, M., Jin, P., Wang, M., Du, G., Chen, J., and Kang, Z., Enzymatic production of specifically distributed hyaluronan oligosaccharides, *Carbohydrate Polymers* (2015), <http://dx.doi.org/10.1016/j.carbpol.2015.04.068>

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   • Pure aqueous solution system was established for hyaluronan depolymerization.
- 3   • Hyaluronidase concentration and hydrolysis time determined molecular mass
- 4   distribution.
- 5   • Target hyaluronan fragments with specific molecular mass could be effectively
- 6   produced.
- 7   • The lowest polydispersity index of the hyaluronan oligosaccharide was 1.16.
- 8   • The hyaluronan tetrasccharide HA4 was successfully isolated with a high purity.
- 9   • Large-scale production of hyaluronan oligosaccharides was achieved (40 g/L).

10

11

12

Download English Version:

<https://daneshyari.com/en/article/7788251>

Download Persian Version:

<https://daneshyari.com/article/7788251>

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