

## Accepted Manuscript

Title: Quantitative analysis of the major linkage region tetrasaccharides in heparin

Author: Yin Chen Kalib St.Ange Lei Lin Xinyue Liu Xing  
Zhang Robert J. Linhardt



PII: S0144-8617(16)31146-8  
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2016.09.081>  
Reference: CARP 11608

To appear in:

Received date: 13-8-2016  
Revised date: 26-9-2016  
Accepted date: 26-9-2016

Please cite this article as: Chen, Yin., St.Ange, Kalib., Lin, Lei., Liu, Xinyue., Zhang, Xing., & Linhardt, Robert J., Quantitative analysis of the major linkage region tetrasaccharides in heparin. *Carbohydrate Polymers* <http://dx.doi.org/10.1016/j.carbpol.2016.09.081>

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.

# Quantitative analysis of the major linkage region tetrasaccharides in heparin

Yin Chen,<sup>a,b,\*</sup> Kalib St.Ange,<sup>b</sup> Lei Lin,<sup>b</sup> Xinyue Liu,<sup>b,c</sup> Xing Zhang,<sup>b</sup> Robert J. Linhardt<sup>b,\*</sup>

<sup>a</sup>College of Food and Pharmacy, Zhejiang Ocean University, Zhoushan, Zhejiang 316000, China

<sup>b</sup>Departments of Chemistry and Chemical Biology, Biology, Chemical and Biological Engineering, and Biomedical Engineering, Center for Biotechnology and Interdisciplinary Studies, Rensselaer Polytechnic Institute, Troy, NY 12180, USA

<sup>c</sup>National Glycoengineering Research Center, Shandong Provincial Key Laboratory of Carbohydrate Chemistry and Glycobiology, and State Key Laboratory of Microbial Technology, Shandong University, Jinan, Shandong 250100, China

Prepared for *Carbohydrate Polymers*, August 2016, revised September 2016

Corresponding authors: Yin Chen email: [cheny40@rpi.edu](mailto:cheny40@rpi.edu) and Robert J. Linhardt email: [linhar@rpi.edu](mailto:linhar@rpi.edu)

Download English Version:

<https://daneshyari.com/en/article/5157818>

Download Persian Version:

<https://daneshyari.com/article/5157818>

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