

## Accepted Manuscript

Study of the binding way between saxitoxin and its aptamer and a fluorescent aptasensor for detection of saxitoxin

Sheng Cheng, Bin Zheng, Dongbao Yao, Shenglong Kuai, Jingjing Tian, Haojun Liang, Yunsheng Ding



PII: S1386-1425(18)30570-5  
DOI: doi:[10.1016/j.saa.2018.06.036](https://doi.org/10.1016/j.saa.2018.06.036)  
Reference: SAA 16195

To appear in: *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*

Received date: 31 March 2018  
Revised date: 7 June 2018  
Accepted date: 10 June 2018

Please cite this article as: Sheng Cheng, Bin Zheng, Dongbao Yao, Shenglong Kuai, Jingjing Tian, Haojun Liang, Yunsheng Ding, Study of the binding way between saxitoxin and its aptamer and a fluorescent aptasensor for detection of saxitoxin. *Saa* (2017), doi:[10.1016/j.saa.2018.06.036](https://doi.org/10.1016/j.saa.2018.06.036)

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.

**Study of the binding way between saxitoxin and its aptamer and a fluorescent  
aptasensor for detection of saxitoxin**

*Sheng Cheng<sup>1</sup>, Bin Zheng<sup>2,\*</sup>, Dongbao Yao<sup>3</sup>, Shenglong Kuai<sup>4</sup>, Jingjing Tian<sup>1</sup>, Haojun Liang<sup>3</sup>, Yunsheng*

*Ding<sup>1,\*</sup>*

1. Department of Polymer Science and Engineering, School of Chemistry and Chemical Engineering,  
Anhui Key Laboratory of Advanced Functional Materials and Devices, Hefei University of Technology,  
Hefei, Anhui 230009, P.R. China

2. School of Chemistry and Chemical Engineering, Hefei Normal University, Hefei, Anhui 230061, P.R.  
China

3. Department of Polymer Science and Engineering, University of Science and Technology of China,  
Hefei, Anhui 230026, P.R. China

4. Anhui Technical College of Water Resources and Hydroelectric Power, Hefei, Anhui 231603, P.R.  
China

\* To whom correspondence should be addressed.

Dr. Bin Zheng

Email: [paradise@mail.ustc.edu.cn](mailto:paradise@mail.ustc.edu.cn) Tel: 86-551-63758370

School of Chemistry and Chemical Engineering, Hefei Normal University

Prof. Yunsheng Ding

Email: [dingys@hfut.edu.cn](mailto:dingys@hfut.edu.cn) Tel: 86-551-62901545

Department of Polymer Science and Engineering, School of Chemistry and Chemical Engineering,

Anhui Key Laboratory of Advanced Functional Materials and Devices, Hefei University of Technology

Download English Version:

<https://daneshyari.com/en/article/7667623>

Download Persian Version:

<https://daneshyari.com/article/7667623>

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