Accepted Manuscript

Recent progress in optical and electrochemical biosensors for sensing of Clostridium Botulinum neurotoxin

Reza Eivazzadeh-Keihan, Paria Pashazadeh-Panahi, Behzad Baradaran, Miguel de la Guardia, Maryam Hejazi, Hessamaddin Sohrabi, Ahad Mokhtarzadeh, Ali Maleki

Track in Analytical Chemistry

Trends in Analytical Chemistry

PII: S0165-9936(18)30048-7

DOI: 10.1016/j.trac.2018.03.019

Reference: TRAC 15128

To appear in: Trends in Analytical Chemistry

Received Date: 8 February 2018
Revised Date: 27 March 2018
Accepted Date: 27 March 2018

Please cite this article as: R. Eivazzadeh-Keihan, P. Pashazadeh-Panahi, B. Baradaran, M.d.I. Guardia, M. Hejazi, H. Sohrabi, A. Mokhtarzadeh, A. Maleki, Recent progress in optical and electrochemical biosensors for sensing of Clostridium Botulinum neurotoxin, *Trends in Analytical Chemistry* (2018), doi: 10.1016/j.trac.2018.03.019.

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.

ACCEPTED MANUSCRIPT

Recent progress in optical and electrochemical biosensors for sensing of Clostridium Botulinum neurotoxin

Reza Eivazzadeh-Keihan¹, Paria Pashazadeh-Panahi^{2,3#}, Behzad Baradaran³, Miguel de la Guardia⁴, Maryam Hejazi⁵, Hessamaddin Sohrabi ⁶, Ahad Mokhtarzadeh^{3,7}*, Ali Maleki ^{1**}

Corresponding authors:

ahad.mokhtarzadeh@gmail.com (A. Mokhtarzadeh),

Immunology Research Center, Tabriz University of Medical Sciences, Tabriz, Iran

maleki@iust.ac.ir (A. Maleki)

Catalysts and Organic Synthesis Research Laboratory, Department of Chemistry, Iran University of Science and Technology, Tehran 16846-13114, Iran

¹ Catalysts and Organic Synthesis Research Laboratory, Department of Chemistry, Iran University of Science and Technology, Tehran 16846-13114, Iran.

² Department of Biochemistry and Biophysics, Metabolic Disorders Research Center, Gorgan Faculty of Medicine, Golestan University of Medical Sciences, Gorgan, Golestan Province, Iran

³Immunology Research Center, Tabriz University of Medical Sciences, Tabriz, Iran

⁴ Department of Analytical Chemistry, University of Valencia, Dr. Moliner 50, 46100, Burjassot, Valencia, Spain.

⁵ Zabol University of Medical Sciences, Zabol, Iran.

⁶ Department of analytical chemistry, Faculty of chemistry, University of Tabriz, Tabriz, Iran

⁷ Department of Biotechnology, Higher Education Institute of Rab-Rashid, Tabriz, Iran

^{*}Co-first author.

Download English Version:

https://daneshyari.com/en/article/7687636

Download Persian Version:

https://daneshyari.com/article/7687636

Daneshyari.com