Accepted Manuscript

Fabrication of a novel aptasensor based on three-dimensional reduced graphene oxide/polyaniline/gold nanoparticle composite as a novel platform for high sensitive and specific cocaine detection

Pegah Hashemi, Hasan Bagheri, Abbas Afkhami, Yalda Hosseinzadeh Ardakani, Tayyebeh Madrakian

PII: S0003-2670(17)31212-6

DOI: 10.1016/j.aca.2017.10.035

Reference: ACA 235509

To appear in: Analytica Chimica Acta

Received Date: 16 July 2017

Accepted Date: 26 October 2017

Please cite this article as: P. Hashemi, H. Bagheri, A. Afkhami, Y.H. Ardakani, T. Madrakian, Fabrication of a novel aptasensor based on three-dimensional reduced graphene oxide/polyaniline/gold nanoparticle composite as a novel platform for high sensitive and specific cocaine detection, *Analytica Chimica Acta* (2017), doi: 10.1016/j.aca.2017.10.035.

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

Fabrication of a novel aptasensor based on three-dimensional reduced graphene oxide/polyaniline/gold nanoparticle composite as a novel platform for high sensitive and specific cocaine detection

Pegah Hashemi ^a, Hasan Bagheri^{*,b}, Abbas Afkhami ^{a,**}, Yalda Hosseinzadeh Ardakani ^c, Tayyebeh Madrakian ^a

Corresponding authors:

^a Faculty of Chemistry, Bu-Ali Sina University, Hamedan, Iran

^b Chemical Injuries Research Center, Baqiyatallah University of Medical Sciences, Tehran, Iran

^c Biopharmaceutics and Pharmacokinetics Division, Department of Pharmaceutics, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran 14155-6451, Iran

^{*}E-mail: <u>h.bagheri82@gmail.com</u>; <u>h.bagheri@bmsu.ac.ir</u> (H. Bagheri) Tel/Fax: +98 21 82482368

^{**} E-mail: afkhami@basu.ac.ir (A. Afkhami)

Download English Version:

https://daneshyari.com/en/article/7554621

Download Persian Version:

https://daneshyari.com/article/7554621

<u>Daneshyari.com</u>