Accepted Manuscript

Title: A mitochondria-targetable fluorescent probe for ratiometric detection of SO₂ derivatives and its application in live cell imaging

Authors: Lijun Tang, Ping He, Xiaomei Yan, Jiazheng Sun,

Keli Zhong, Shuhua Hou, Yanjiang Bian

PII: S0925-4005(17)30438-0

DOI: http://dx.doi.org/doi:10.1016/j.snb.2017.03.032

Reference: SNB 21944

To appear in: Sensors and Actuators B

Received date: 18-11-2016 Revised date: 1-3-2017 Accepted date: 7-3-2017

Please cite this article as: Lijun Tang, Ping He, Xiaomei Yan, Jiazheng Sun, Keli Zhong, Shuhua Hou, Yanjiang Bian, A mitochondria-targetable fluorescent probe for ratiometric detection of SO2 derivatives and its application in live cell imaging, Sensors and Actuators B: Chemical http://dx.doi.org/10.1016/j.snb.2017.03.032

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

A mitochondria-targetable fluorescent probe for ratiometric detection of SO₂ derivatives and its application in live cell imaging

Lijun Tang,^{a,*} Ping He,^a Xiaomei Yan,^{b,*} Jiazheng Sun,^c Keli Zhong,^a Shuhua Hou^a, Yanjiang Bian^a

^a College of Chemistry and Chemical Engineering, Bohai University, Jinzhou 121013, China.

^b College of Laboratory Medicine, Dalian Medical University, Dalian 116044, China.

^c School of International Education, Beijing University of Chemical Technology, Beijing 100029, China

* Corresponding author. Tel.: +86-416-3400302; e-mail: ljtang@bhu.edu.cn (L. Tang); xmyan1978@sina.com (X. Yan)

Graphical Abstract

A mitochondria-targetable fluorescent probe that display colorimetric and ratiometric fluorescent detection of SO_2 derivatives in an aqueous media has been developed.

1

Download English Version:

https://daneshyari.com/en/article/5009390

Download Persian Version:

https://daneshyari.com/article/5009390

<u>Daneshyari.com</u>