Accepted Manuscript

Title: The Interaction of a Structural Flexible Small Molecule with Nucleic Acid Structures: Investigation of the Origin of Fluorescence Signal Discrimination in Sensing and the Utilization in Live Cell Imaging

Authors: Ning Sun, Cong Wang, Miao-Han Xu, Yu-Jing Lu, Yuan-Yuan Zheng, Yan Yan, Xiao-Lu Guo, Jinqiang Hou, Kun Zhang, Leonard G. Luyt, Wing-Leung Wong, Cheuk-Fai Chow

PII: S0925-4005(17)30831-6

DOI: http://dx.doi.org/doi:10.1016/j.snb.2017.05.018

Reference: SNB 22302

To appear in: Sensors and Actuators B

Received date: 27-12-2016 Revised date: 28-4-2017 Accepted date: 4-5-2017

Please cite this article as: Ning Sun, Cong Wang, Miao-Han Xu, Yu-Jing Lu, Yuan-Yuan Zheng, Yan Yan, Xiao-Lu Guo, Jinqiang Hou, Kun Zhang, Leonard G.Luyt, Wing-Leung Wong, Cheuk-Fai Chow, The Interaction of a Structural Flexible Small Molecule with Nucleic Acid Structures: Investigation of the Origin of Fluorescence Signal Discrimination in Sensing and the Utilization in Live Cell Imaging, Sensors and Actuators B: Chemicalhttp://dx.doi.org/10.1016/j.snb.2017.05.018

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

The Interaction of a Structural Flexible Small Molecule with Nucleic Acid Structures: Investigation of the Origin of Fluorescence Signal Discrimination in Sensing and the Utilization in Live Cell Imaging

Ning Sun^{a,†}, Cong Wang^{a,†}, Miao-Han Xu^a, Yu-Jing Lu^{a,*}, Yuan-Yuan Zheng^a, Yan Yan^a, Xiao-Lu Guo^a, Jinqiang Hou^c, Kun Zhang^a, Leonard G. Luyt^{c,d}, Wing-Leung Wong^{a,b,*} and Cheuk-Fai Chow^b

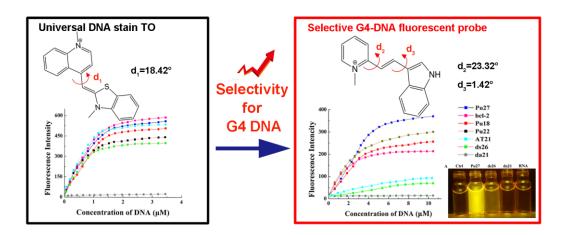
- ^a Institute of Natural Medicine and Green Chemistry, School of Chemical Engineering and Light Industry, Guangdong University of Technology, Guangzhou, 510006, P. R. China.
- ^b Centre for Education in Environmental Sustainability, The Education University of Hong Kong, 10 Lo Ping Road, Tai Po, Hong Kong SAR, Peoples' Republic of China.
- ^c London Regional Cancer Program, 790 Commissioners Road East, London, ON N6A 4L6, Canada.
- ^d Departments of Oncology, Chemistry, Medical Imaging, The University of Western Ontario, London, ON N6A 3K7, Canada.
- * To whom correspondence should be addressed:

Dr. Y.-J. Lu, Tel: +86-20-3932-2235; Email: luyj@gdut.edu.cn;

Dr. W.-L. Wong, Tel: +852-2948-8156; Email: wingleung@ied.edu.hk

† These authors contributed equally to this work as the first authors.

Graphical Abstract:



Download English Version:

https://daneshyari.com/en/article/5008809

Download Persian Version:

https://daneshyari.com/article/5008809

<u>Daneshyari.com</u>