

Accepted Manuscript

Title: *De novo* design and synthesis of a novel colorimetric fluorescent probe based on naphthalenone scaffold for selective detection of hypochlorite and its application in living cells

Authors: Yaoyao Ning, Jihong Cui, Yiwei Lu, Xiaoqing Wang, Chaoni Xiao, Shaoping Wu, Jianli Li, Yongmin Zhang

PII: S0925-4005(18)30867-0
DOI: <https://doi.org/10.1016/j.snb.2018.04.156>
Reference: SNB 24632

To appear in: *Sensors and Actuators B*

Received date: 26-1-2018
Revised date: 25-4-2018
Accepted date: 26-4-2018

Please cite this article as: Yaoyao Ning, Jihong Cui, Yiwei Lu, Xiaoqing Wang, Chaoni Xiao, Shaoping Wu, Jianli Li, Yongmin Zhang, *De novo* design and synthesis of a novel colorimetric fluorescent probe based on naphthalenone scaffold for selective detection of hypochlorite and its application in living cells, *Sensors and Actuators B: Chemical* <https://doi.org/10.1016/j.snb.2018.04.156>

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.



De novo design and synthesis of a novel colorimetric fluorescent probe based on naphthalenone scaffold for selective detection of hypochlorite and its application in living cells

Yaoyao Ning^{a,b,§}, Jihong Cui^{a,b,§}, Yiwei Lu^a, Xiaoqing Wang^c, Chaoni Xiao^a, Shaoping Wu^{a,b,*}, Jianli Li^c, Yongmin Zhang^{a,b,d}

^aKey Laboratory of Resource Biology and Biotechnology in Western China (Northwest University), Ministry of Education; Biomedicine Key Laboratory of Shaanxi Province, Northwest University, Xi'an, Shaanxi 710069, China

^bJoint International Laboratory of Glycobiology and Medicinal Chemistry, Northwest University, Xi'an, Shaanxi 710069, China

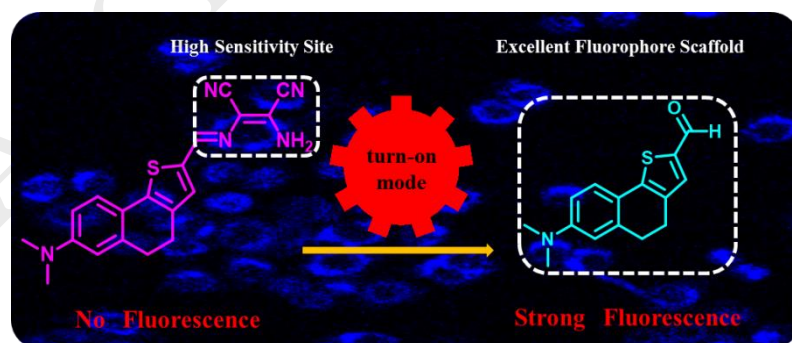
^cKey Laboratory of Synthetic and Natural Functional Molecule Chemistry of Ministry of Education, College of Chemistry & Materials Science, Northwest University, Xi'an, Shaanxi 710127, P. R. China

^dSorbonne Université, Institut Parisien de Chimie Moléculaire, CNRS UMR 8232, 4 place Jussieu, 75005 Paris, France

[§]These authors contributed equally to this work.

*Corresponding author: Tel.: +86 029 88304569; Fax: +86 029 88304569. E_mail: wushaoping@nwu.edu.cn

Graphical Abstract:



Download English Version:

<https://daneshyari.com/en/article/7139199>

Download Persian Version:

<https://daneshyari.com/article/7139199>

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