Accepted Manuscript

A chromogenic and fluorogenic rhodol-based chemosensor for hydrazine detection and its application in live cell bioimaging

Khomsan Tiensomjitr, Rattha Noorat, Sinchai Chomngam, Kanokorn Wechakorn, Samran Prabpai, Phongthon Kanjanasirirat, Yongyut Pewkliang, Suparerk Borwornpinyo, Palangpon Kongsaeree



PII: S1386-1425(18)30050-7

DOI: https://doi.org/10.1016/j.saa.2018.01.033

Reference: SAA 15752

To appear in: Spectrochimica Acta Part A: Molecular and Biomolecular

Spectroscopy

Received date: 20 September 2017 Revised date: 28 December 2017

Accepted

12 January 2018

date:

Please cite this article as: Khomsan Tiensomjitr, Rattha Noorat, Sinchai Chomngam, Kanokorn Wechakorn, Samran Prabpai, Phongthon Kanjanasirirat, Yongyut Pewkliang, Suparerk Borwornpinyo, Palangpon Kongsaeree, A chromogenic and fluorogenic rhodol-based chemosensor for hydrazine detection and its application in live cell bioimaging. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Saa(2017), https://doi.org/10.1016/j.saa.2018.01.033

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 chromogenic and fluorogenic rhodol-based chemosensor for hydrazine detection and its application in live cell bioimaging

Khomsan Tiensomjitr^{a,b}, Rattha Noorat^{a,b}, Sinchai Chomngam^{a,b}, Kanokorn Wechakorn^{a,b}, Samran Prabpai^{a,b}, Phongthon Kanjanasirirat^c, Yongyut Pewkliang^c, Suparerk Borwornpinyo^{c,d} and Palangpon Kongsaeree^{a,b,*}

^a Department of Chemistry and Center of Excellence for Innovation in Chemistry,

Faculty of Science, Mahidol University, Bangkok 10400, Thailand.

^b Center for Excellence in Protein and Enzyme Technology, Faculty of Science,

Mahidol University, Bangkok 10400, Thailand

^c Excellent Center for Drug Discovery, Faculty of Science, Mahidol University,

Bangkok 10400, Thailand

^d Department of Biotechnology, Faculty of Science, Mahidol University, Bangkok 10400, Thailand

*Corresponding author

E-mail: palangpon.kon@mahidol.ac.th (P. Kongsaeree)

Tel: +66-2-201-5848; Fax: +66-2-354-7151

In remembrance of His Majesty King Bhumibol Adulyadej (1927-2016).

Download English Version:

https://daneshyari.com/en/article/7669450

Download Persian Version:

https://daneshyari.com/article/7669450

<u>Daneshyari.com</u>