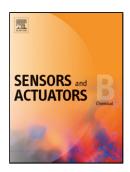
Accepted Manuscript

Title: Reversible NIR Fluorescent probes for Cu²⁺ ions detection and its Living cell imaging

Authors: Gujuluva Gangatharan Vinoth Kumar, Mookkandi Palsamy Kesavan, Gandhi Sivaraman, Jamespandi Annaraj, Kandasamy Anitha, Arunachalam Tamilselvi, Shenmuganarayanan Athimoolam, Balasubramaniyam Sridhar, Jegathalaprathaban Rajesh



PII:	S0925-4005(17)31816-6
DOI:	http://dx.doi.org/10.1016/j.snb.2017.09.150
Reference:	SNB 23241

To appear in: Sensors and Actuators B

 Received date:
 31-7-2017

 Revised date:
 15-9-2017

 Accepted date:
 21-9-2017

Please cite this article as: Vinoth Kumar Gujuluva Gangatharan, Kesavan Mookkandi Palsamy, Sivaraman Gandhi, Annaraj Jamespandi, Anitha Kandasamy, Tamilselvi Arunachalam, Athimoolam Shenmuganarayanan, Sridhar Balasubramaniyam, Rajesh Jegathalaprathaban, Reversible NIR Fluorescent probes for Cu2+ ions detection and its Living cell imaging, Sensors and Actuators B: Chemicalhttp://dx.doi.org/10.1016/j.snb.2017.09.150

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

Reversible NIR Fluorescent probes for Cu²⁺ ions detection and its Living cell imaging

Gujuluva Gangatharan Vinoth Kumar^{a,b}, Mookkandi Palsamy Kesavan^{a,b}, Gandhi Sivaraman^{c*}, Jamespandi Annaraj^d, Kandasamy Anitha^e, Arunachalam Tamilselvi^f, Shenmuganarayanan Athimoolam^g, Balasubramaniyam Sridhar^h, Jegathalaprathaban Rajesh^{a,b*}

^aDepartment of Chemistry, Sethu Institute of Technology, Kariapatti-626 115, Tamilnadu, India. ^bChemistry Research Centre, Mohamed Sathak Engineering College, Kilakarai-623 806, Tamil Nadu, India.

^cInstitute for stem cell biology and regenerative medicine, Bangalore-560065, Karnataka, India. ^dSchool of Chemistry, Department of Material Science, Madurai Kamaraj University, Madurai-625 021, Tamilnadu, India.

^eSchool of Physics, Madurai Kamaraj University, Madurai-625 021, Tamilnadu, India.
^fDepartment of Chemistry, Thiagarajar College, Madurai-625 009, Tamilnadu, India.
^gDepartment of Physics, University College of Engineering, Anna University, Nagercoil-629 004, Taminadu, India.

^hLaboratory of X-ray Crystallography, Indian Institute of Chemical Technology, Hyderabad-500 007, India.

* Corresponding author
*E-mail address: <u>mkuraji@gmail.com</u> (Dr. J. Rajesh)
<u>Raman474@gmail.com</u> (Dr. G. Sivaraman)

Download English Version:

https://daneshyari.com/en/article/7141970

Download Persian Version:

https://daneshyari.com/article/7141970

Daneshyari.com