### **Accepted Manuscript**

Novel Heterocyclic Thiosemicarbazones Derivatives as Colorimetric and "turn on" Fluorescent Sensors for Fluoride anion sensing employing Hydrogen Bonding

S.L. Ashok Kumar, M. Saravana Kumar, P.B. Sreeja, A. Sreekanth

PII: S1386-1425(13)00452-6

DOI: http://dx.doi.org/10.1016/j.saa.2013.04.103

Reference: SAA 10494

To appear in: Spectrochimica Acta Part A: Molecular and Biomo-

lecular Spectroscopy

Received Date: 8 January 2013 Revised Date: 17 April 2013 Accepted Date: 24 April 2013



Please cite this article as: S.L. Ashok Kumar, M. Saravana Kumar, P.B. Sreeja, A. Sreekanth, Novel Heterocyclic Thiosemicarbazones Derivatives as Colorimetric and "turn on" Fluorescent Sensors for Fluoride anion sensing employing Hydrogen Bonding, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (2013), doi: http://dx.doi.org/10.1016/j.saa.2013.04.103

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**

# Novel Heterocyclic Thiosemicarbazones Derivatives as Colorimetric and "turn on" Fluorescent Sensors for Fluoride anion sensing employing Hydrogen Bonding

S. L. Ashok Kumar<sup>a</sup>, M. Saravana Kumar<sup>a</sup>, P. B. Sreeja<sup>b</sup>, A. Sreekanth<sup>a</sup>\*

<sup>a</sup>Department of Chemistry, Centre of Excellence in Corrosion and Surface Engineering,

National Institute of Technology- Tiruchirappalli, Tiruchirappalli 620015, Tamilnadu, India.

<sup>b</sup>Department of Chemistry, Chirst University, Bangalore- 560029, Karnataka, India.

\*1 Corresponding Author

Dr. A. Sreekanth, Assistant Professor, Department of Chemistry, National Institute of Technology-Tiruchirappalli, Tiruchirappalli-620015, Tamilnadu, India

E-mail: sreekanth@nitt.edu Tel: +91 431 2503642 Fax: +91 431 2500133

#### Download English Version:

## https://daneshyari.com/en/article/7673466

Download Persian Version:

https://daneshyari.com/article/7673466

<u>Daneshyari.com</u>