

Accepted Manuscript

Title: A fluorescein derivative-based fluorescent sensor for selective recognition of copper(II) ions

Authors: Yang Jiao, Xing Liu, Lu Zhou, Haiyang He, Peng Zhou, Chunying Duan, Xiaojun Peng



PII: S1010-6030(17)30797-9
 DOI: <https://doi.org/10.1016/j.jphotochem.2017.10.058>
 Reference: JPC 10983

To appear in: *Journal of Photochemistry and Photobiology A: Chemistry*

Received date: 8-6-2017
Revised date: 2-10-2017
Accepted date: 31-10-2017

Please cite this article as: Yang Jiao, Xing Liu, Lu Zhou, Haiyang He, Peng Zhou, Chunying Duan, Xiaojun Peng, A fluorescein derivative-based fluorescent sensor for selective recognition of copper(II) ions, *Journal of Photochemistry and Photobiology A: Chemistry* <https://doi.org/10.1016/j.jphotochem.2017.10.058>

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.

A fluorescein derivative-based fluorescent sensor for selective recognition of copper(II) ions

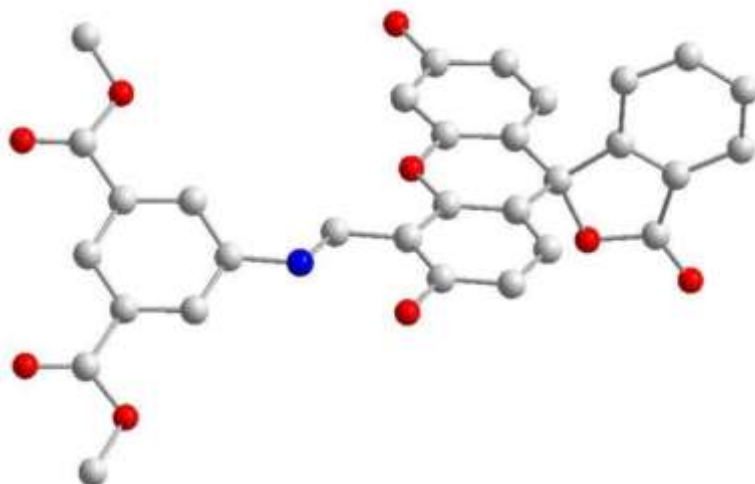
Yang Jiao^{1,*}, Xing Liu¹, Lu Zhou², Haiyang He², Peng Zhou¹, Chunying Duan², Xiaojun Peng²

¹College of Chemistry, Dalian University of Technology, Dalian, China, 116024.

²State Key Laboratory of Fine Chemicals, Dalian University of Technology, Dalian, China, 116024.

E-mail: jiaoyang@dlut.edu.cn

Graphical abstract



Fluorescence sensor **FR-L** incorporated 5-aminoisophthalic acid methyl ester with fluorescein. It showed a quenching response with the addition of copper(II) ions and exhibited high selectivity over other ions

Download English Version:

<https://daneshyari.com/en/article/6492720>

Download Persian Version:

<https://daneshyari.com/article/6492720>

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