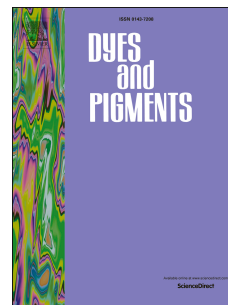


Accepted Manuscript

A diarylethene based multi-functional sensor for fluorescent detection of Cd²⁺ and colorimetric detection of Cu²⁺

Hongling Liu, Shiqiang Cui, Fu Shi, Shouzhi Pu



PII: S0143-7208(18)31734-0

DOI: [10.1016/j.dyepig.2018.09.030](https://doi.org/10.1016/j.dyepig.2018.09.030)

Reference: DYPI 7012

To appear in: *Dyes and Pigments*

Received Date: 6 August 2018

Revised Date: 11 September 2018

Accepted Date: 12 September 2018

Please cite this article as: Liu H, Cui S, Shi F, Pu S, A diarylethene based multi-functional sensor for fluorescent detection of Cd²⁺ and colorimetric detection of Cu²⁺, *Dyes and Pigments* (2018), doi: <https://doi.org/10.1016/j.dyepig.2018.09.030>.

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.

Graphical Abstract

A diarylethene based multi-functional sensor for fluorescent detection of Cd^{2+} and colorimetric detection of Cu^{2+}

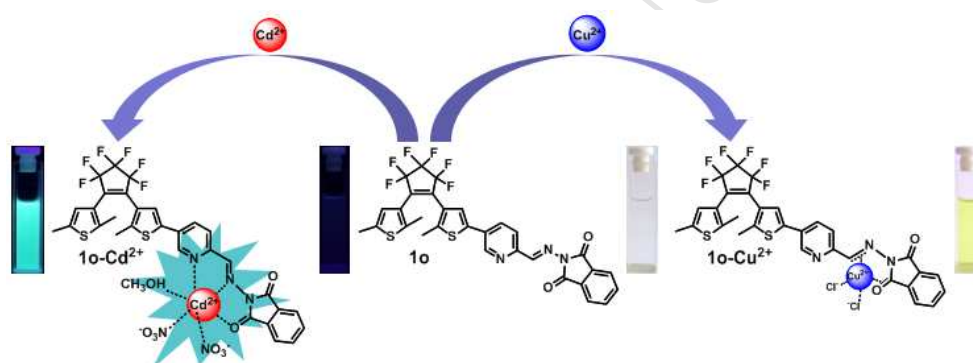
Hongling Liu, Shiqiang Cui*, Fu Shi, Shouzhi Pu*

Jiangxi Key Laboratory of Organic Chemistry, Jiangxi Science and Technology Normal

University, Nanchang 330013, PR China

*Corresponding author: E-mail: cuisq2006@163.com (S. Cui) pushouzhi@tsinghua.org.cn (S.

Pu); Tel./Fax: +86-791-83831996.



A diarylethene based multi-functional sensor for fluorescent detection of Cd^{2+} and colorimetric detection of Cu^{2+} has been synthesized. The sensor could be applied to detect Cd^{2+} and Cu^{2+} in practical samples with high accuracy.

Download English Version:

<https://daneshyari.com/en/article/10225154>

Download Persian Version:

<https://daneshyari.com/article/10225154>

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