### Accepted Manuscript

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PII: S1386-1425(17)30628-5

DOI: doi: 10.1016/j.saa.2017.07.068

Reference: SAA 15355

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

Spectroscopy

Received date: 24 April 2017 Revised date: 15 July 2017 Accepted date: 30 July 2017

Please cite this article as: Sona Warrier, Prashant S. Kharkar, Highly selective on-off fluorescence recognition of Fe3+ based on a coumarin derivative and its application in live-cell imaging, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (2017), doi: 10.1016/j.saa.2017.07.068

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## **ACCEPTED MANUSCRIPT**

# Highly selective on-off fluorescence recognition of ${\rm Fe}^{3+}$ based on a coumarin derivative and its application in live-cell imaging

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