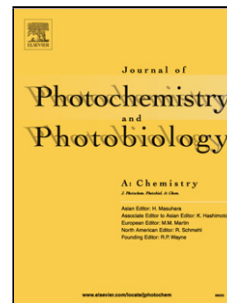


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A rhodamine-based novel turn on trivalent ions sensor

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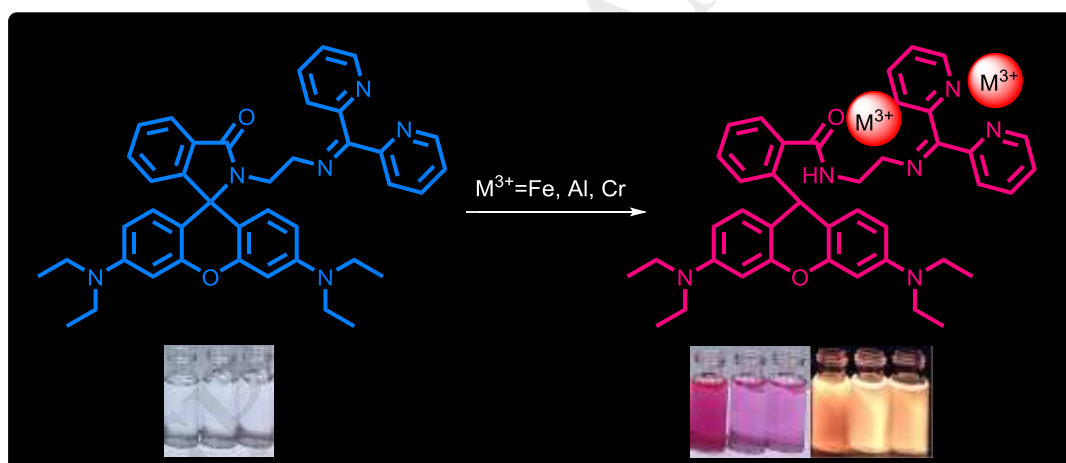
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Graphical abstract



Highlights

- A new rhodamine B derivative (probe **RDP**) was synthesized for trivalent ions Fe³⁺, Al³⁺ and Cr³⁺ sensing based on colorimetric and fluorometric detection.
- Probe **RDP** exhibited a good and selective detection as colorimetric and fluorometric “turn-on” sensor for Fe³⁺, Al³⁺ and Cr³⁺.

ABSTRACT

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