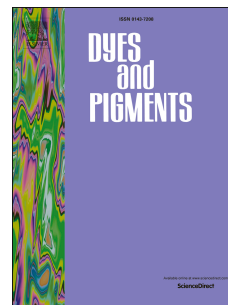


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A phenothiazine-based “naked-eye” fluorescent probe for the dual detection of Hg^{2+} and Cu^{2+} : Application as a solid state sensor

Matinder Kaur, Min Ju Cho, Dong Hoon Choi



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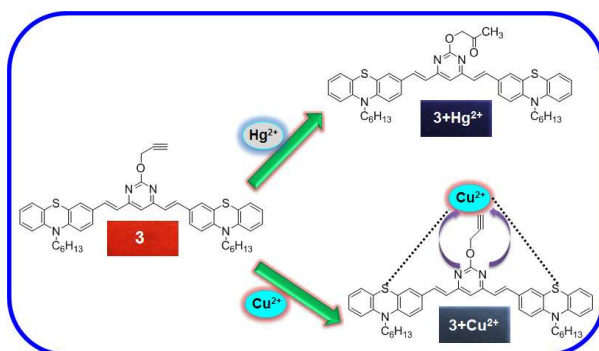
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Graphical Abstract



A phenothiazine-based fluorescent probe was designed and synthesized for selective detection of Hg^{2+} (via Kucherov reaction) and Cu^{2+} (via soft-soft metal interactions). Probe could be employed as an optical solid sensor for Hg^{2+} and Cu^{2+} with significant color changes.

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