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A quick and selective rhodamine based "smart probe" for "signalon" optical detection of Cu²⁺ and Al³⁺ in water, cell imaging, computational studies and solid state analysis

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Graphical abstract

A well characterized rhodamine hydrazone bearing allyl group displays selective detection of Cu^{2+} and Al^{3+} ions in an aqueous medium and its ensemble with Al^{3+} , detects pyrophosphate and it meets real world challenges.



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