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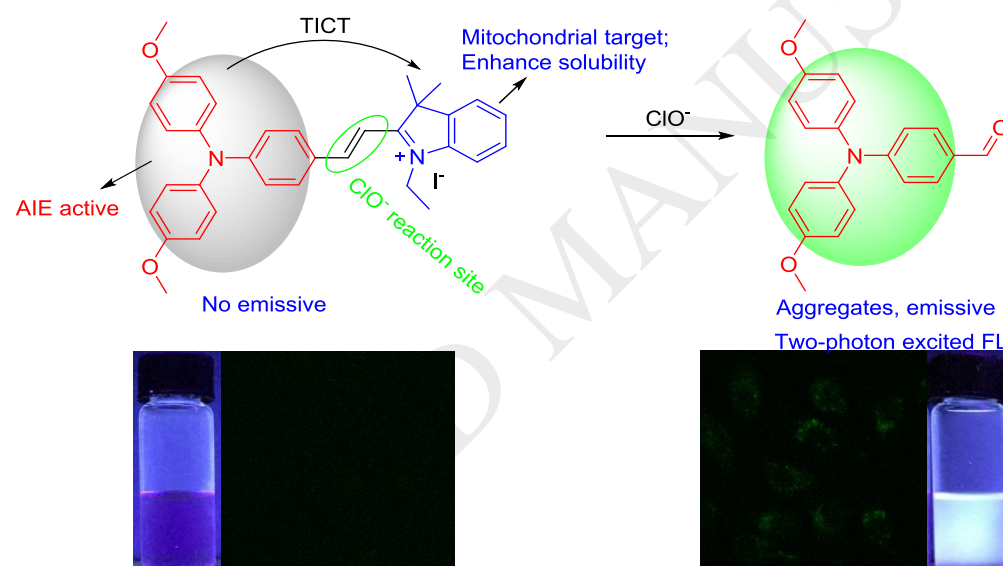
Two-photon AIE Based Fluorescent Probe with Large Stokes Shift for Selective and Sensitive Detection and Visualization of Hypochlorite

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Graphic abstract



Highlights

1. A new AIE based fluorescent probe for monitoring the level of ClO^- in PBS solution is constructed.
2. A LOD of 13.2 nM was calculated for ClO^- in aqueous buffer solution.
3. The probe exhibits two-photon excitation performance since its fluorescence was observed under excitation by an NIR light.
4. The probe can be applied for detection of ClO^- in solution, aggregated forms, solid state and living cells.

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