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# Small Molecule “turn on” fluorescent Probe for Silver ion and application to bioimaging

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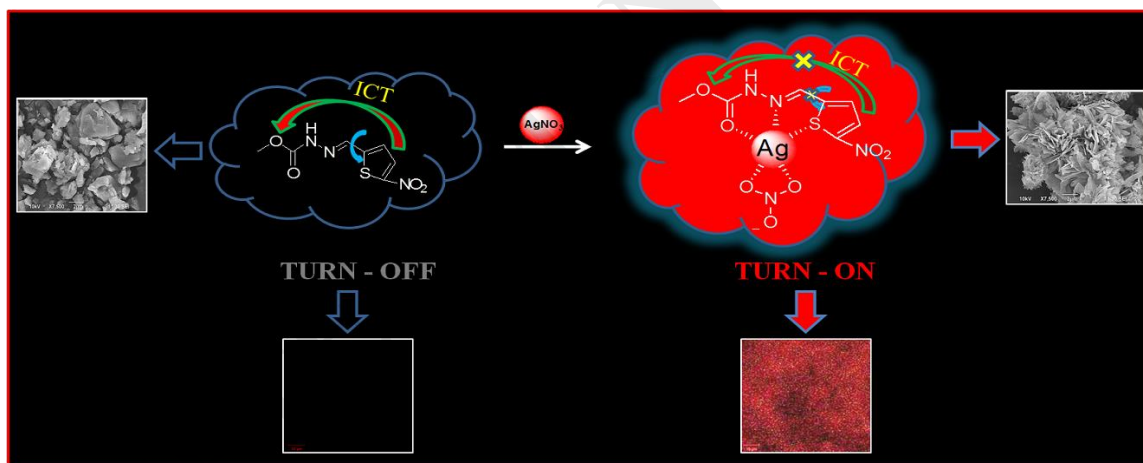
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## Graphical abstract



## Highlights

- A small molecule Schiff base derived fluorescent probe to detect Ag<sup>+</sup> ion
- A turn-on fluorescent chemosensor for Ag<sup>+</sup> ion
- A PET/ICT dual mechanism has been demonstrated with a 1:1 binding stoichiometry, supported by mass spectroscopy
- Detect the Ag<sup>+</sup> ion in real sample analyses and live cell bio imaging

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