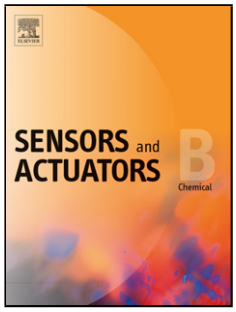

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An ESIPT based fluorescence probe for ratiometric monitoring of nitric oxide

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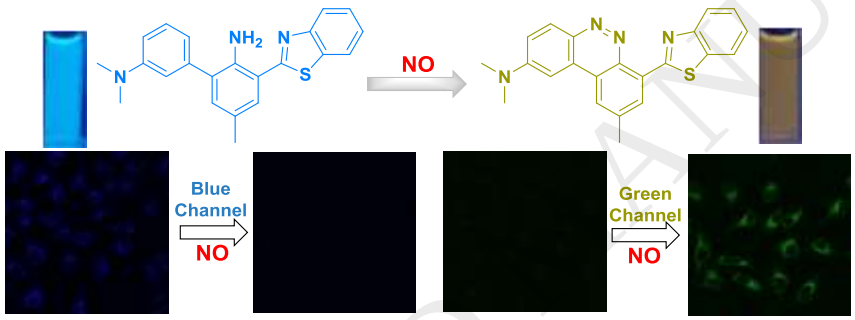
Graphical abstract:



Highlights:

- An ESIPT-based ratiometric fluorescence probe for sensing nitric oxide was developed.
- A clearly observable dual-emission change in the blue and yellow regions was achieved upon the addition of nitric oxide.
- The probe displays high selectivity towards nitric oxide over other ROS, RNS and other biologically relevant species.
- The probe possesses the capability of ratiometric imaging of nitric oxide in living cells.