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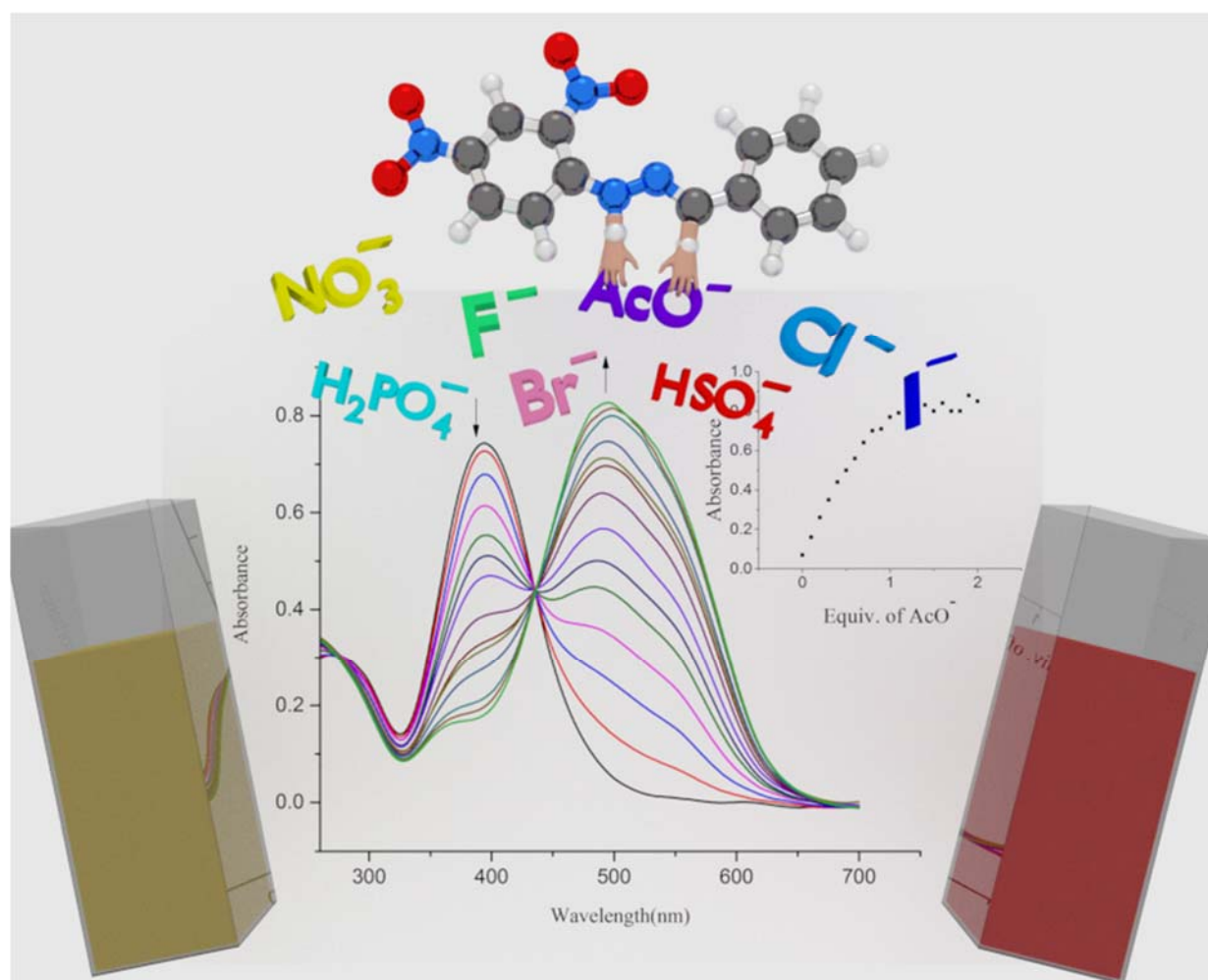
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Graphical Abstract



### Highlights

- Receptors R1, R2, R3 and R4 exhibits electrochemical and optical response towards anions
- Receptor R4 proved its selectivity towards acetate ion among other anions
- $^1\text{H-NMR}$  titration studies throws light on the binding mechanism

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