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Title: Selective fluoride anion sensing by simple benzimidazolyl based ligand

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Research Highlights

- Fluoride can be recognized by 1,3-bis(5,6-dimethyl-1H-benzo[d]imidazol-2-yl)benzene receptor.
- ^1H NMR, UV visible and fluorescence spectroscopy can be used to follow this recognition.
- Binding mode of fluoride is compared with other anions.
- Binding is dependent on the smaller size of fluoride due to methyl group hindrance.

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