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Title: New Turn-On Fluorescent and Colorimetric Probe for Cyanide Detection Based on BODIPY-Salicylaldehyde and its Application in Cell Imaging

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New Turn-On Fluorescent and Colorimetric Probe for Cyanide Detection Based on BODIPY-Salicylaldehyde and its Application in Cell Imaging

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Highlights

- A novel salicylaldehyde-BODIPY fluorescent sensor is prepared.
- The sensor shows dual colorimetric & turn-on fluorescence response to cyanide ion.
- Detection limit is 0.88 μM (below WHO standard for drinking water).
- It is effective for cyanide detection an in vitro cellular system.

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