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The α , β -unsaturated pyrazolone-based fluorescent sensor with red emission and its application for real-time monitoring hypochlorite in cancer cells and zebrafish

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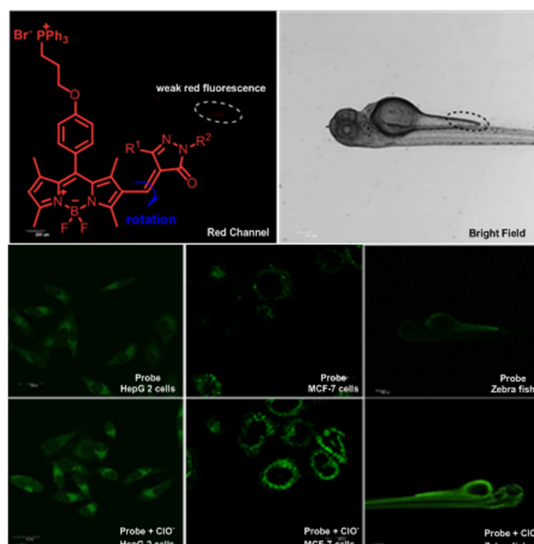
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BODIPY-Pyra displayed a weak red emission because of rotation of α , β -unsaturated pyrazolone, which afforded the fluorescent change of BODIPY-Pyra by the chemical reaction. Moreover, it could monitor the intracellular hypochlorite in cancer cells and endogenous hypochlorite in living zebrafish without drug induction.

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