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Estrogen receptor sensing in living cells by a high affinity turn-on fluorescent probe

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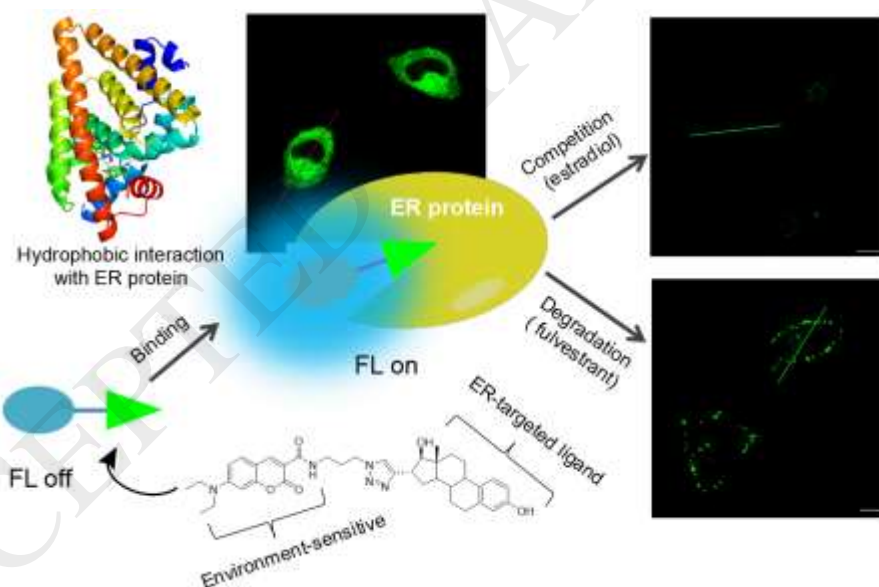
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Graphical abstract

An environment-sensitive fluorescent probe **2** was developed and successfully applied in visualization of estrogen receptor degradation without a cell-washing in living cells.



Highlights

- An environment-sensitive fluorescent probe **2** was developed for estrogen receptor.
- Probe **2** possessed the ability to image estrogen receptor rapidly and accurately without a cell-washing procedure.
- This probe was successfully applied in visualization of ER degradation in living cells.
- This probe possesses good cell-permeability, labeling specificity and high fluorescent turn-

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