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Thiol-chromene click chemistry: A turn-on fluorescent probe for specific detection of cysteine and its application in bioimaging

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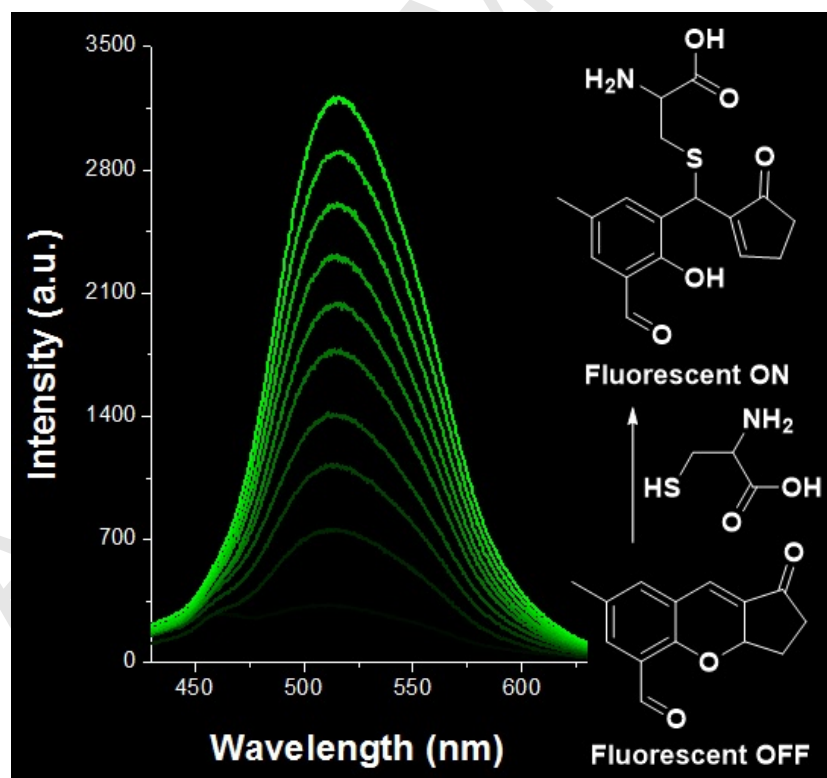
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Abstract Graphic

The statement:



Based on the thiol 'click' chromene ring-open reaction, we designed and synthesized a chromene derivative as turn-on fluorescent probe for the Cys detection. With high sensitivity and selectivity, the probe could be used for intracellular Cys detection and bioimaging.

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