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A dual-signal strategy for the solid detection of both small molecules and proteins based on magnetic separation and highly fluorescent copper nanoclusters

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Abstract

Recently, a variety of analytical methods for the detection of small molecules or proteins based on small molecule-protein interaction have been developed. However, these methods often focus on either small molecules or proteins. Few efforts are made to detect both of them in the same system. In this work, a dual-signal strategy for the solid detection of both small molecules and proteins based on small molecule-protein interaction is proposed by using the streptavidin-biotin couple as a model. In our

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