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Guests involved CB[8] capped silver nanoparticles as a means of electrochemical signal enhancement for sensitive detection of Caspase-3

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Highlights

- Guests involved CB[8] capped AgNPs was designed as electrochemical signal enhancement for sensitive detection of Caspase-3.
- Caspase-3 can be measured with a detection limit of 24.62 pg·mL⁻¹.
- This strategy is a new concept for the design of highly sensitive methods based on AgNPs and supramolecule.

Abstract

Cysteine aspartase protease (Caspase-3) plays an important role in various diseases. In this work, silver nanoparticles (AgNPs) with electronic properties have been utilized as signal amplification elements for fabricating electrochemical

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