

Intermolecular Hydrogen bonds between Catechin and Theanine in Tea: Slow Release of the Antioxidant Capacity by Synergetic Effect

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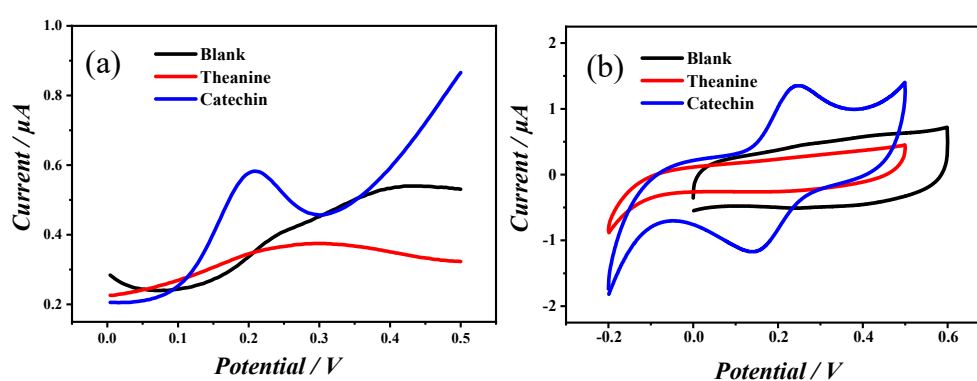


Figure S1. (a) Differential pulse voltammograms of blank solution, 1 mM theanine and 1 mM catechin, scan rate: $0.1 \text{ V}\cdot\text{s}^{-1}$. (b) Cyclic voltammograms of blank solution, 1 mM theanine and 1mM catechin, scan rate: $0.1 \text{ V}\cdot\text{s}^{-1}$.

1. Preparation method of catechin solution

First prepared 0.1 M PBS buffer solution (disodium phosphate, sodium dihydrogen phosphate), then HCl and NaOH were used to adjust the pH of PBS, finally, prepared a catechin or theanine solution with a PBS buffer solution that has been adjusted for pH.