Mini Review

Extraction and Electrochemical Analysis of Polyphenols in Plant Samples

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Plant polyphenols are polyphenolic secondary metabolites that widely exists in plants and are mainly found in the skin, root, leaf and fruit. Plant polyphenols are natural antioxidants and are the most powerful free radical scavengers known. Therefore, the extraction and analysis of these polyphenols has attracted considerable attention. In this review, the extraction of plant polyphenols is discussed. Then, we focus on methods for the analysis and determination of plant polyphenols with a specific focus on analysis and detection methods based on electrochemical sensing.

Keywords: Electroanalytical chemistry; Polyphenol, Plant tissue; Analytical method; Analyte

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