عنوان مقاله:

Recent Advances in Fluorescence Detection of Catecholamines

محل انتشار:

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خلاصه مقاله:

This study presents an overview on the recent advances in fluorescence methods for detection of catecholamines. In the past few decades, development of fluorescence probe has appeared as an important research area, which attracted a remarkable amount of attention due to its considerable sensitivity, simplicity, and selectivity. In this study, detection of catecholamines based on fluorescent metal nanoparticles, fluorescent semiconductor nanoparticles, fluorescent dyes, conjugated polymers, graphene, carbon nanotube sensors, biosensors, chemiluminescence as well as combination of Fluorescence methods with electrophorese, chromatography, electrochemical techniques, and .Raman spectroscopy were evaluated

کلمات کلیدی:

Catecholamine, Fluorescence spectroscopy, Nanotechnology