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Abstract

A sensitive and simple electrochemical strategy has been developed for assay of protein kinase A (PKA) activity and inhibition using gold nanoparticles/multi-walled carbon nanotubes (AuNPs/MWNTs) nanohybrids. Key features of this assay included intrinsic peroxidase-like activity of positively-charged gold nanoparticles (+AuNPs) and signal transduction and amplification of multi-walled carbon nanotubes (MWNTs). In this assay, an N-terminally cysteine-containing peptide was

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