

TRYPSIN IMMOBILISATION ON GOLD CHIPS BY SELF-ASSEMBLING PROCESS

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Abstract: *The aim of this paper is to immobilize trypsin on the solid surface and maintain the activity and stability of the immobilized protein. The covalent immobilization of trypsin onto 11-mercaptoundecanoic acid (MUA) modified gold chip surfaces was done due to the amide bond formation with the N-hydroxysuccinimide ester intermediate. The trypsin immobilization onto solid surface is a challenging goal in biotechnology, molecular electronics and biosensors.*

Key words: *self-assembling monolayers, immobilization, trypsin, fluorescence.*