Analytical and Bioanalytical Chemistry

Electronic Supplementary Material

Mesoporous carbon-containing voltammetric biosensor for determination of tyramine in food products

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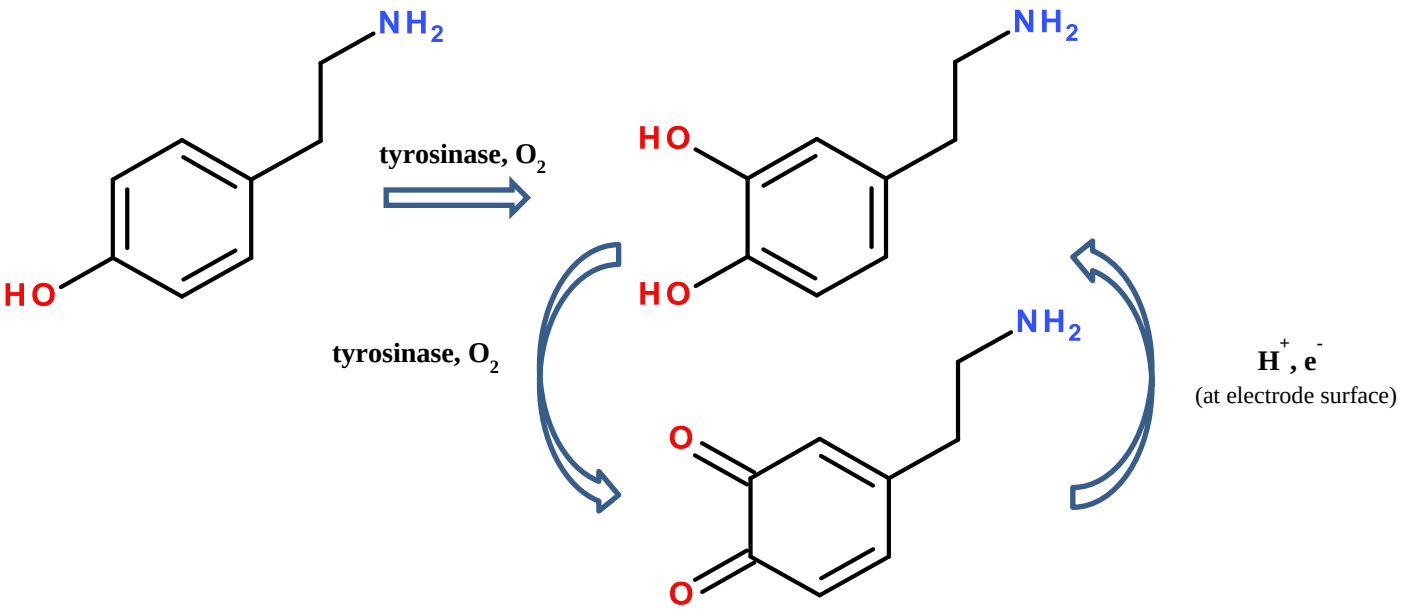

Scheme S1 Diagram of mechanism of enzymatic determination of tyramine at TYR/TiO2/CMK-3/PDDA/Nafion bioelectrode

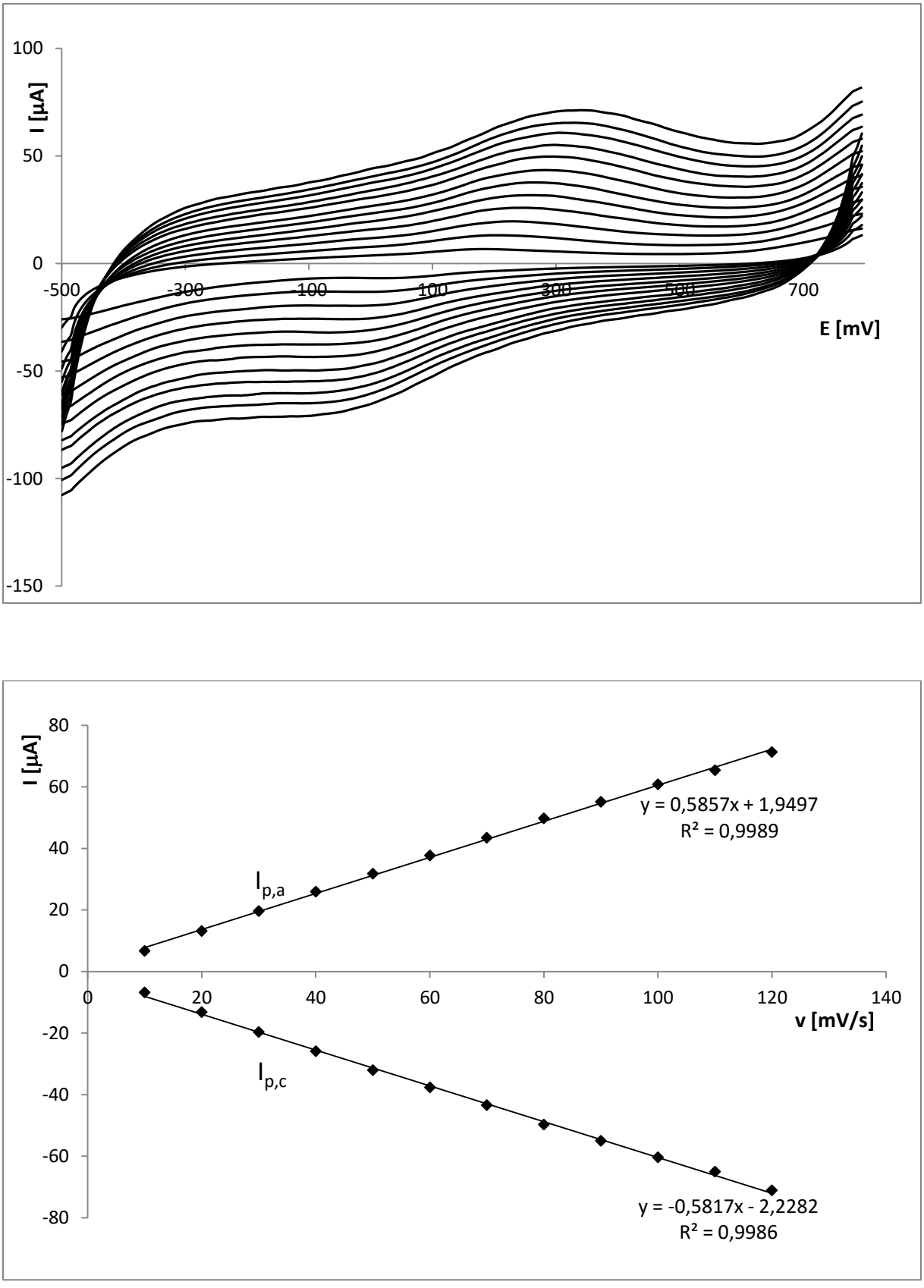

Fig. S1 Influence of scan rates on CVs recorded in 50 µM tyramine solution at TYR/TiO2/CMK-3/PDDA/Nafion biosensor (A); cathodic $I_{p,c}$ and anodic $I_{p,a}$ peak currents as a function of scan rate used (10-120 mV s^{-1}) (B)

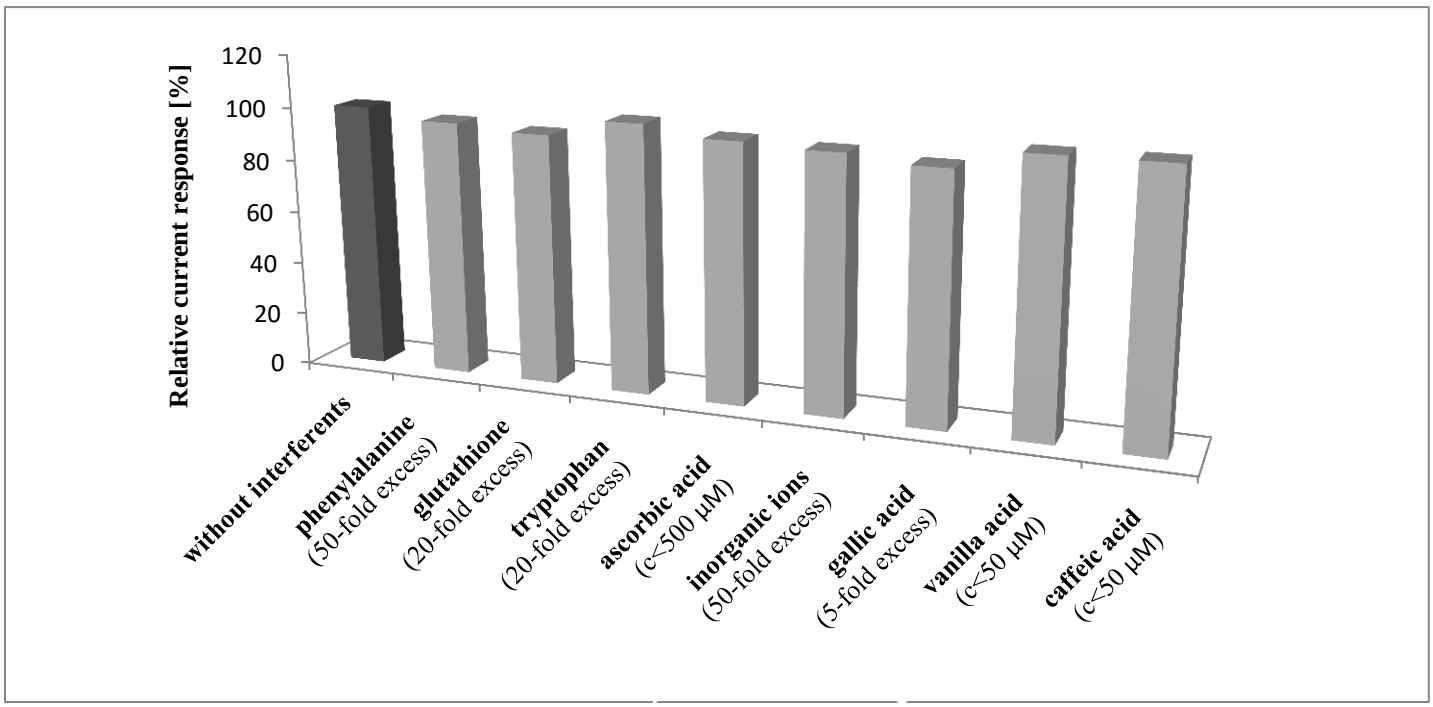

Fig. S2 Biosensor responses recorded in 50 µM tyramine solution in the presence of interferences