

Supplementary materials

The Kinetic and Analytical Aspects of Enzyme Competitive Inhibition: Sensing of Tyrosinase Inhibitors

Raouia Attaallah, Aziz Amine*

Faculty of Sciences and Techniques, Hassan II University of Casablanca, PA 146 Mohammedia, 20800, Morocco

* Corresponding author: Tel.: +212 661 455198, Fax +212 523 315353. a.amine@univh2m.ac.ma

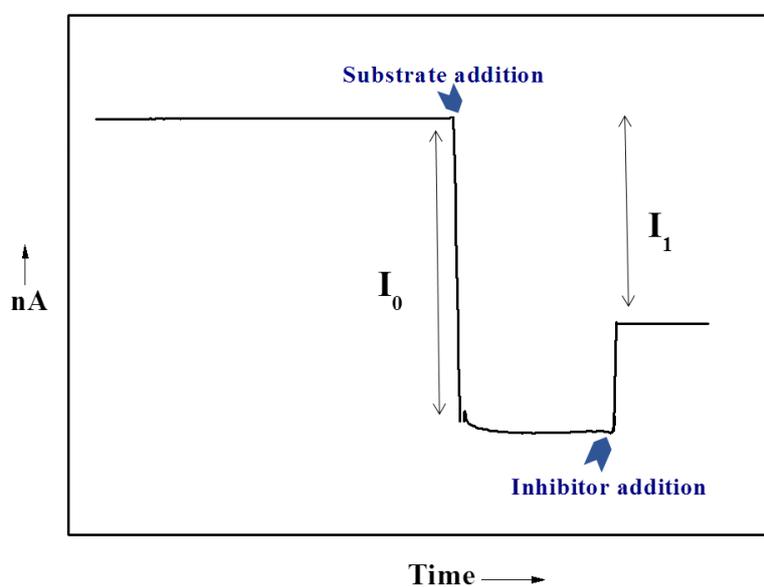


Figure S1. Typical inhibition biosensor response in the absence (I_0), and in the presence of inhibitor (I_1).

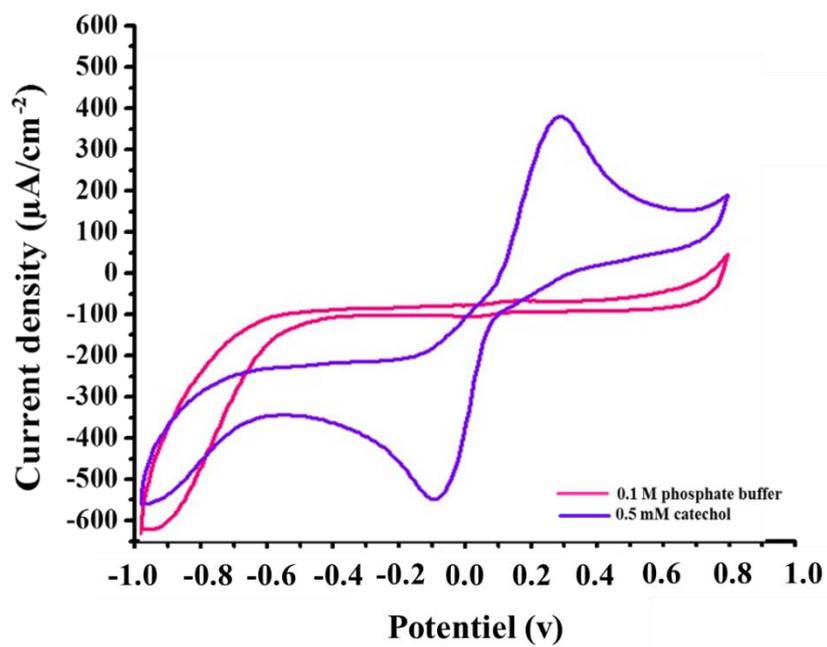


Figure S2. Cyclic voltammetry of 0.5 mM catechol with Tyr-CBPE in 0.1 M phosphate buffer pH 6.8, scan rate of $50 \text{ mV}\cdot\text{s}^{-1}$.

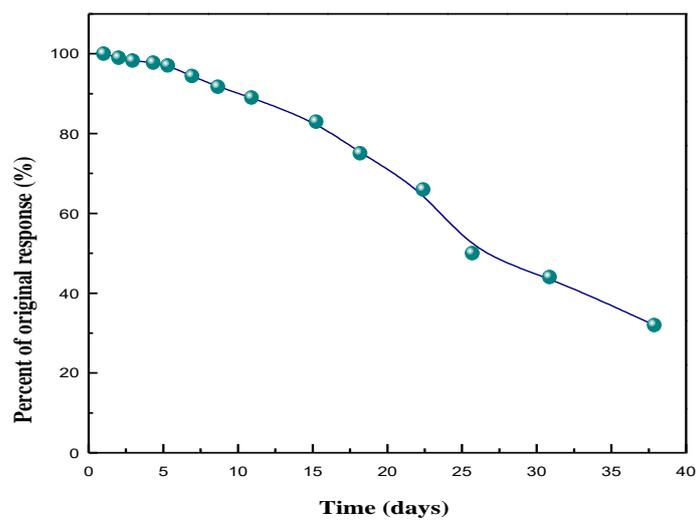


Figure S3. Relative response of tyrosinase as a function of the storage time. In the presence of 20 μM catechol in 0.1 M phosphate buffer, pH 6.8. Applied potential -0.15 V vs Ag/AgCl.