

Supplementary data

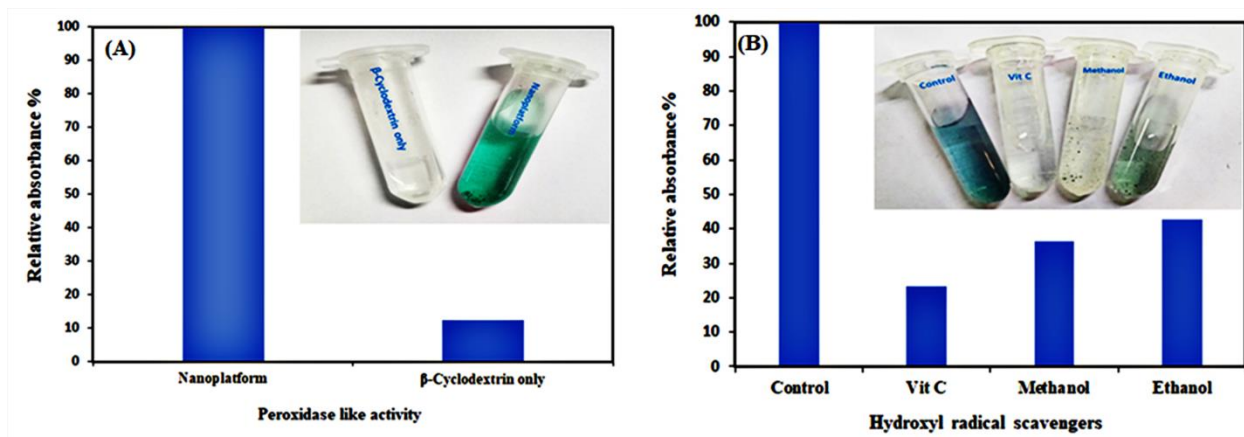


Figure S1. Study of the peroxidase-like activity of only β -cyclodextrin and in the combination of nanoplateform (A) and the effect of radical scavengers on the produced $\cdot\text{OH}$ (B).

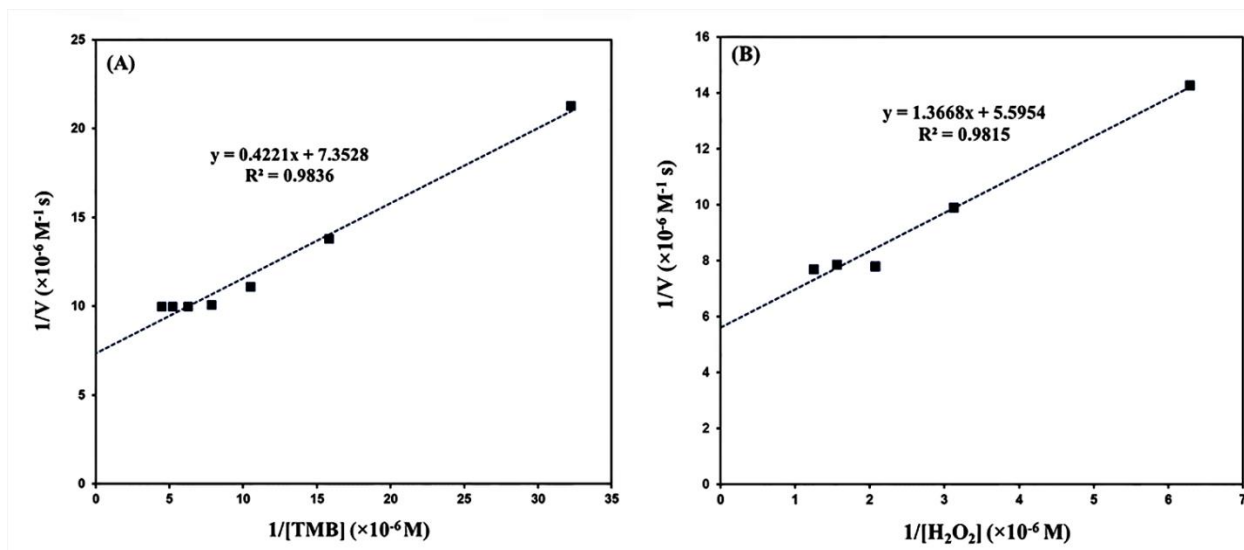


Figure S2. Lineweaver–Burk curve for the peroxidase-mimicking activity of the synthesized nanoplateform in the presence of TMB (A) and H_2O_2 (B) as substrates.

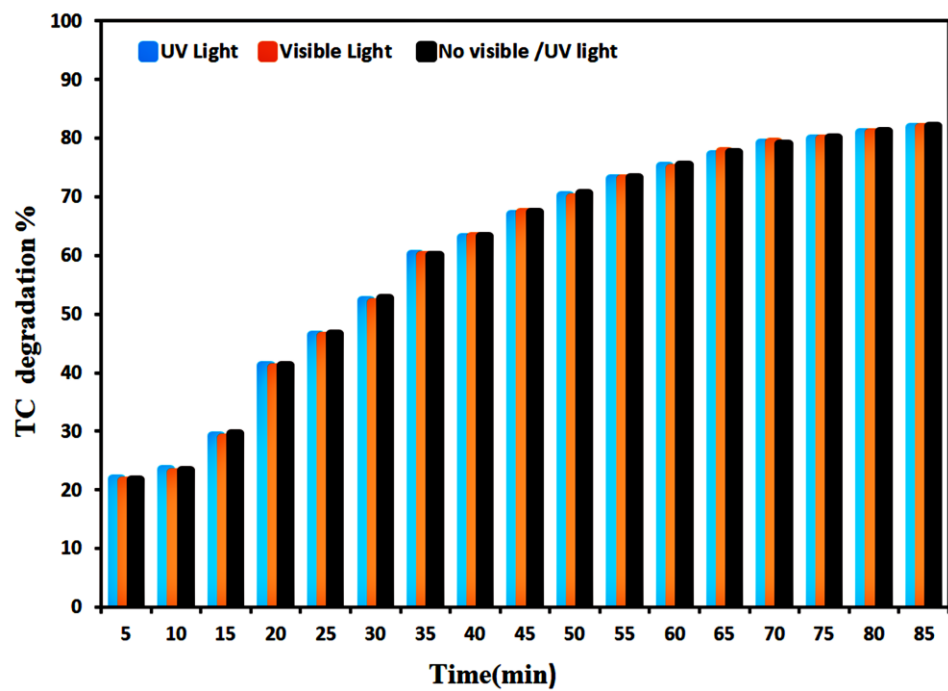


Figure S3. Effect of visible and UV light on the percentage of TC degradation.

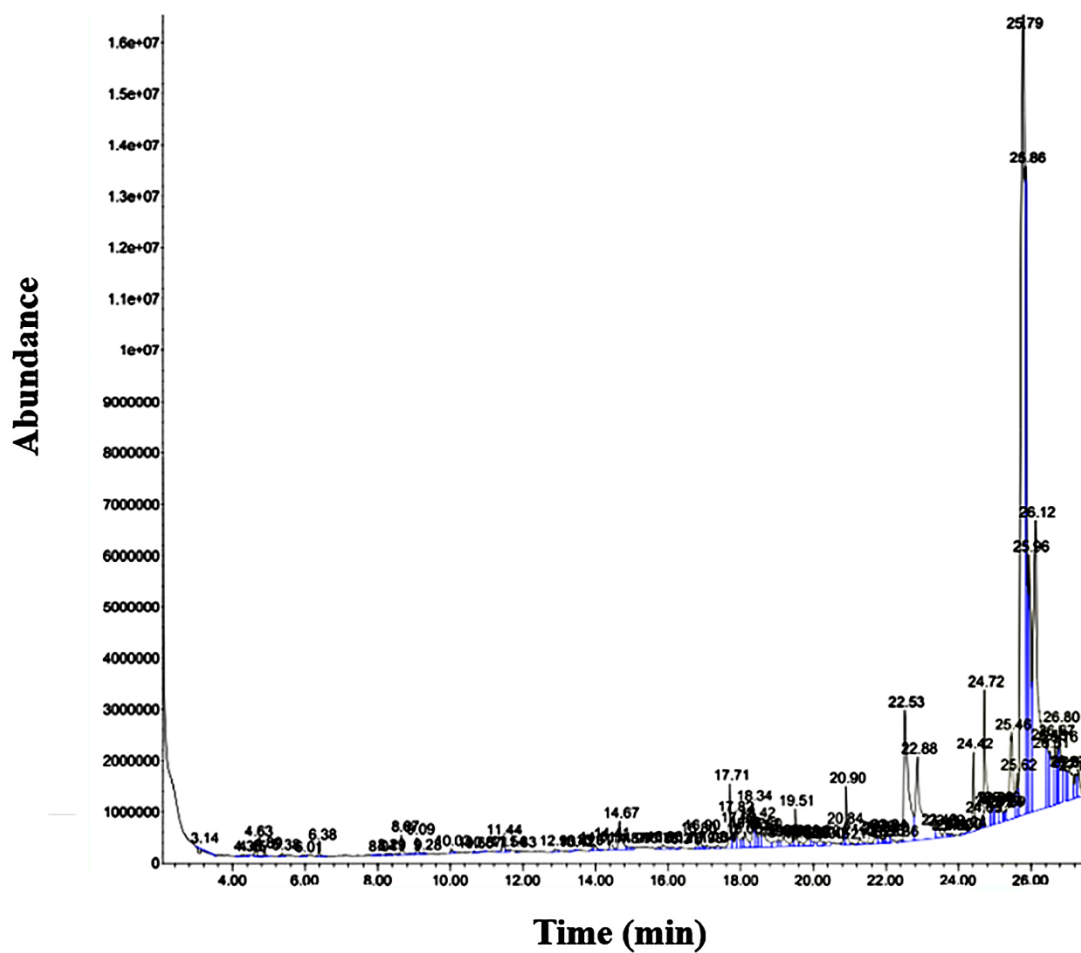


Figure S4. GC-MS profile of degradation products of TC.

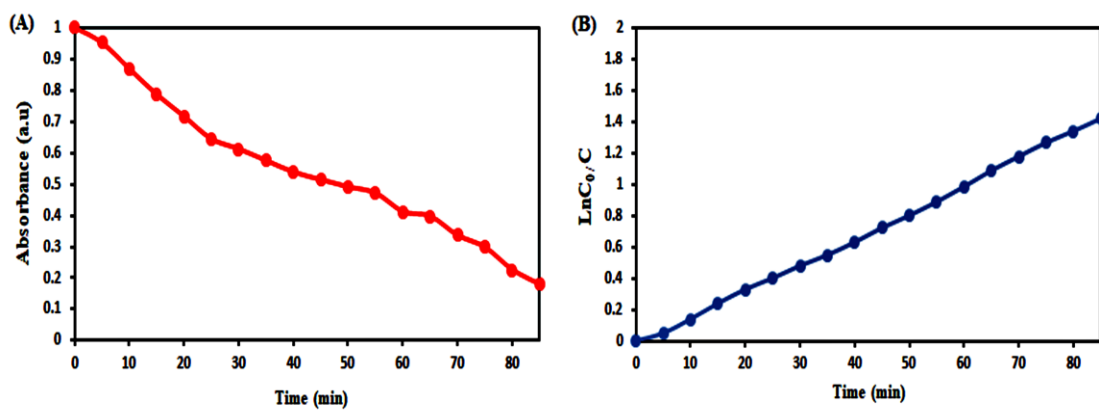


Figure S5. Degradation kinetic constant of TC.