

Supplementary Materials

Unique dual responsive activity of platinum nanozyme stabilized by a green solvent: deep eutectic solvents.

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Figure S1. UV-Vis spectrum of the as-synthesized Pt particle; upper inset shows digital image for its aqueous dispersion.

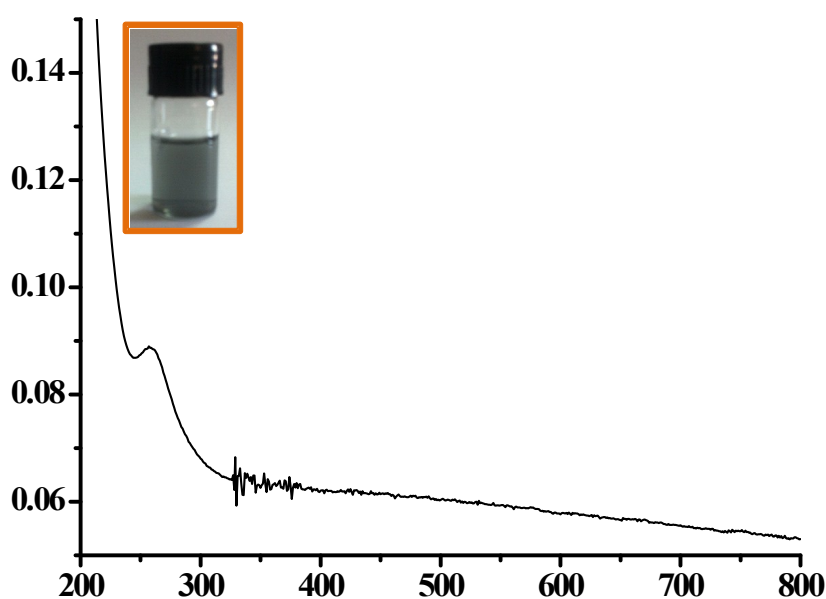


Figure S2. TEM micrograph of the Pt nanocubes at different scale.

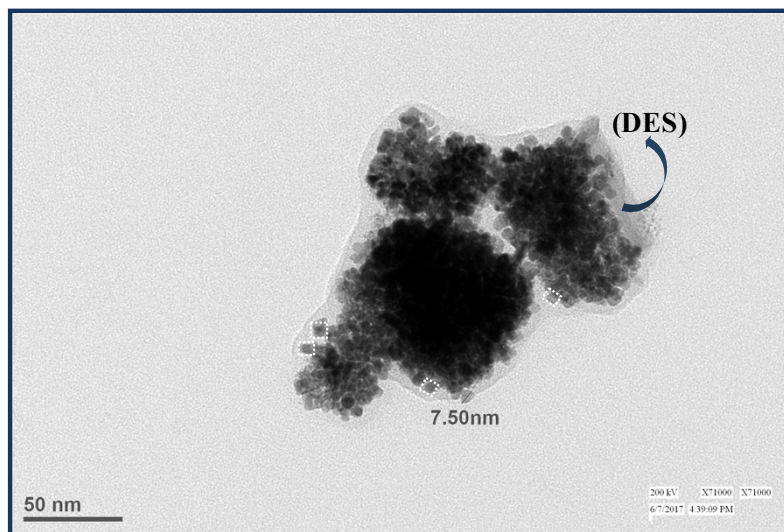


Figure S3. Time course UV-Vis absorption spectra for controlled reaction of H_2O_2 with OPD; (A) in the absence, and (B) presence of Pt nanocubes. Experimental conditions: 200 μL OPD (1×10^{-2} M), 10 μL H_2O_2 (30%v/v), 500 μL nanocubes (0.3 mg/mL) at room temperature maintaining the total volume of the reaction mixture at 3 mL with DDW.

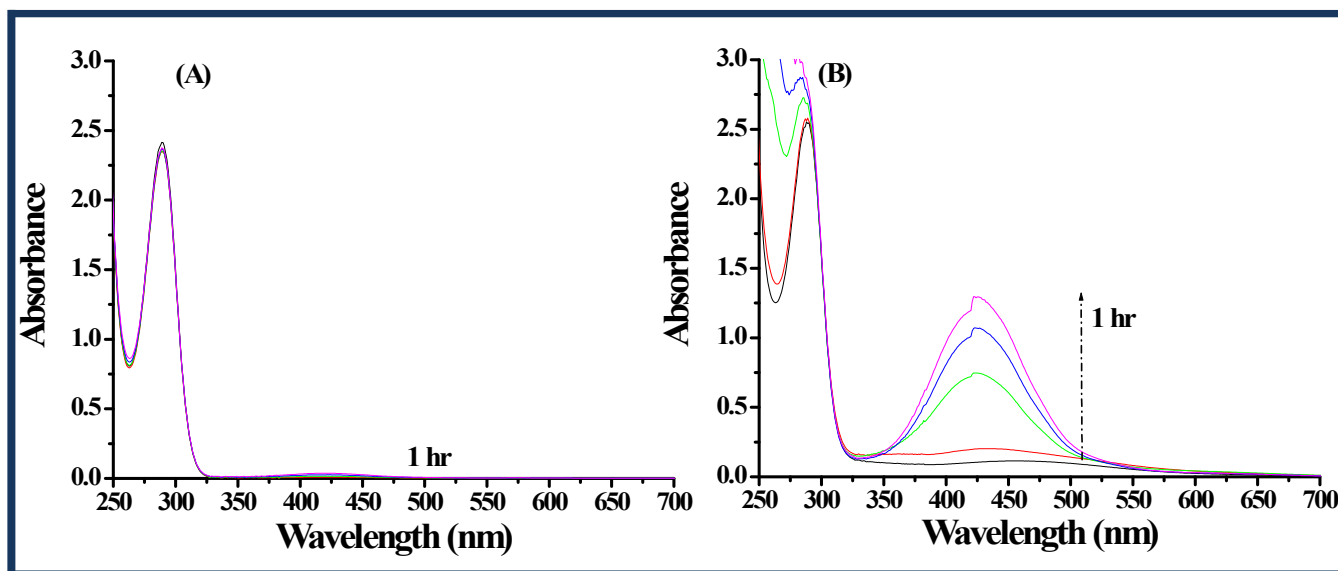


Figure S4. Possible mechanism underlining uricase mimetic of the as-synthesized Pt nanocube.

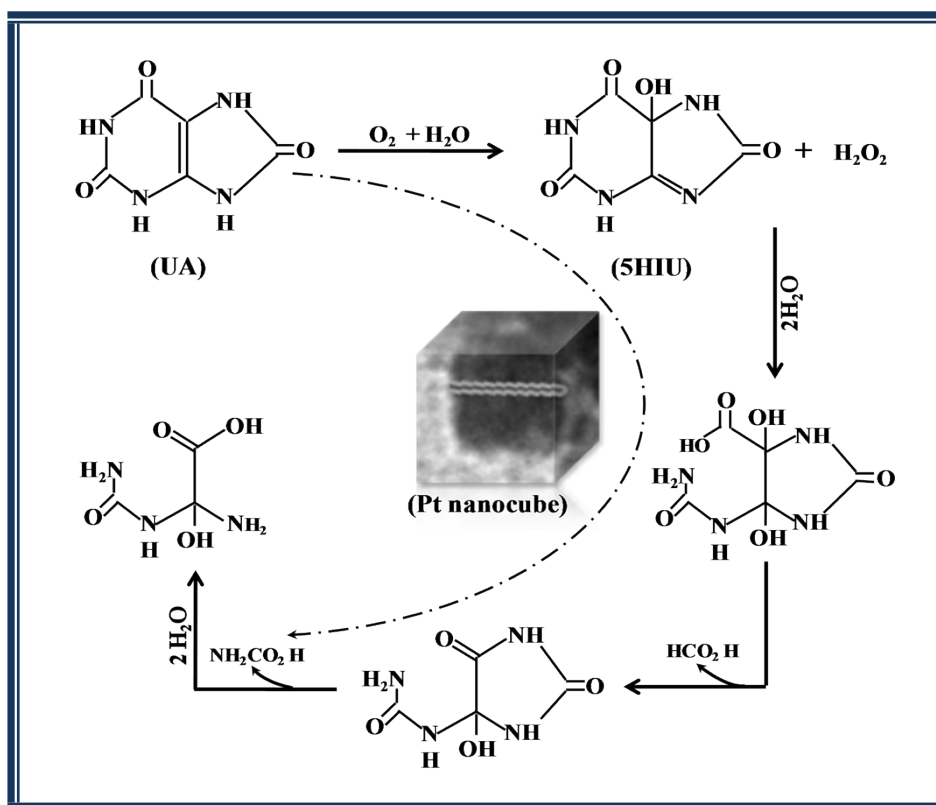


Figure S5. Illustration for proposed mechanism of peroxidase like activity of the Pt nanocube.

