

Supporting Information

Modulatory Bifunctional Artificial Enzyme with both SOD and GPx activities Based on Smart Star-Shaped Pseudo-Block Copolymer

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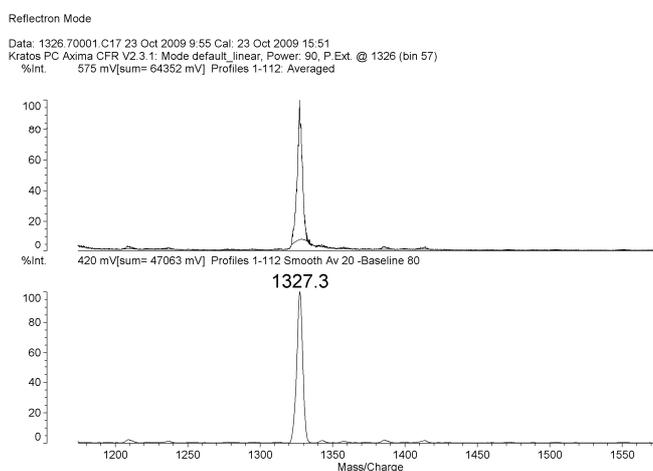


Fig. S1 MS spectrum of TPyP-M-Ad

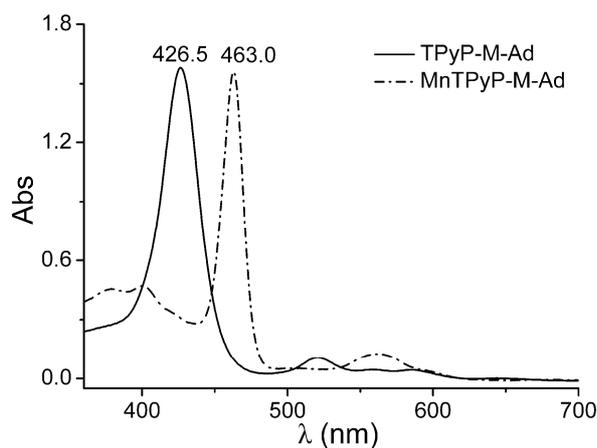


Fig. S2 Absorbance spectra for porphyrin compounds between 380 and 700 nm. The concomitant soret band shift was observed from 426.5nm (TPyP-M-Ad) to 463 nm (MnTPyP-M-Ad) upon porphyrin metallation.

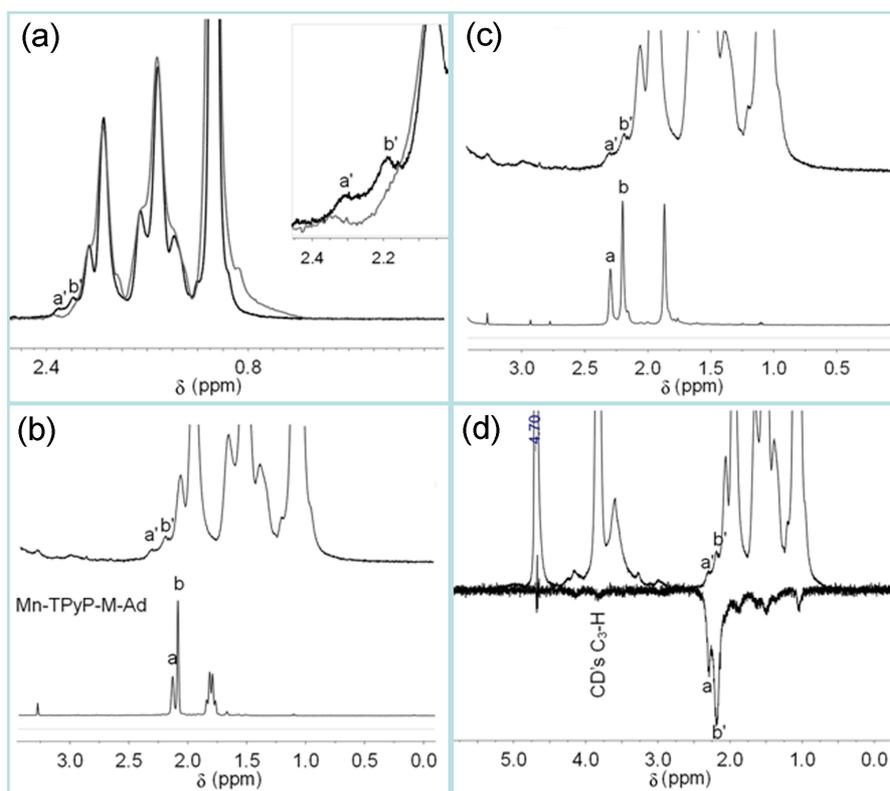


Fig. S3 ^1H NMR spectra of (a) pseudo-block copolymer & β -CD-PEG-b-PNIPAAm-Te; (b) pseudo-block copolymer & TPyP-M-Ad; (c) pseudo-block copolymer & TPyP-M-Ad by assembling with β -CD. And (d) $^1\text{H}\{^1\text{H}\}$ intermolecular NOE spectra of pseudo-block copolymer.

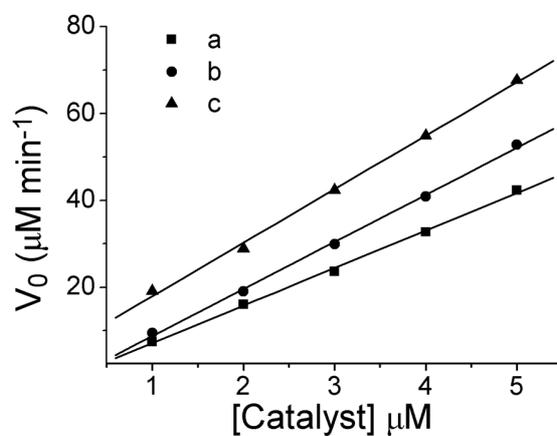


Fig. S4 Plots of initial rates (v_0) at different concentrations of catalyst (1.0~5.0 μM catalytic center) at pH 7.0 and 37 $^\circ\text{C}$. The initial concentration of TNB was fixed to 132.5 μM . The concentration of CumOOH was 0.2 (a), 0.5 (b), and 1.0 (c) mM, respectively.