

Supplementary material

Fig. 1S Effect of pH on UV-Vis spectra of TH.

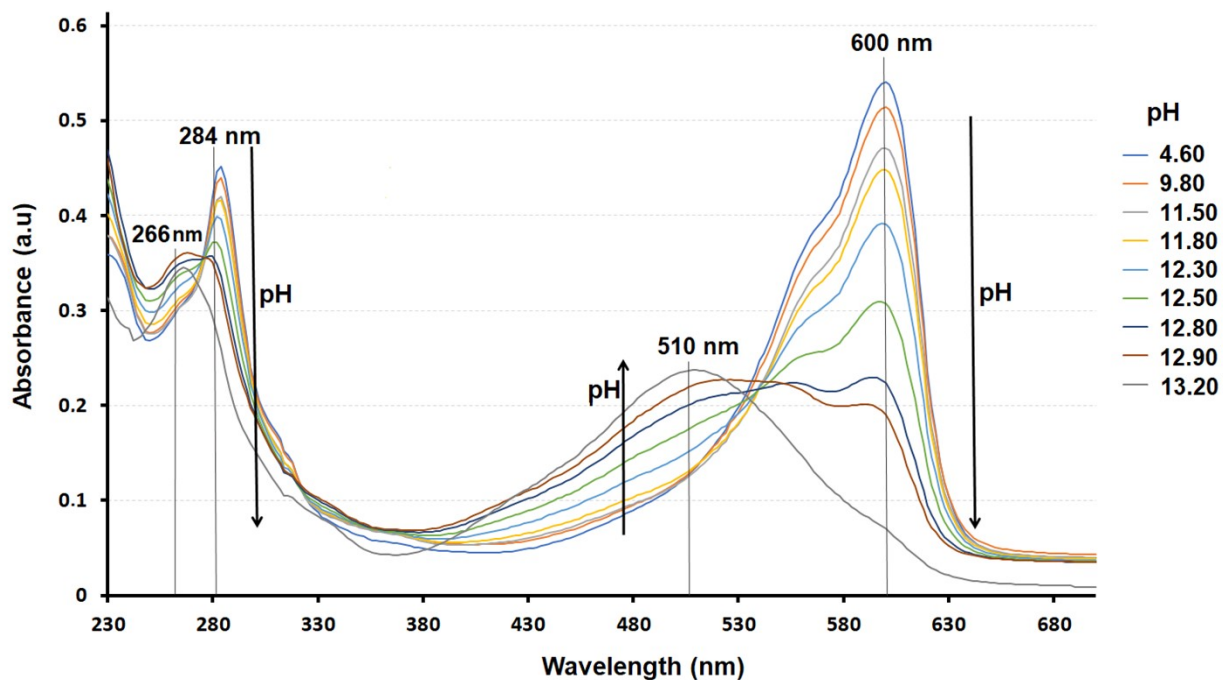


Fig. 2S UV-Vis spectra of TH (blue line) and TH-VCZ (red line) solutions at neutral pH.

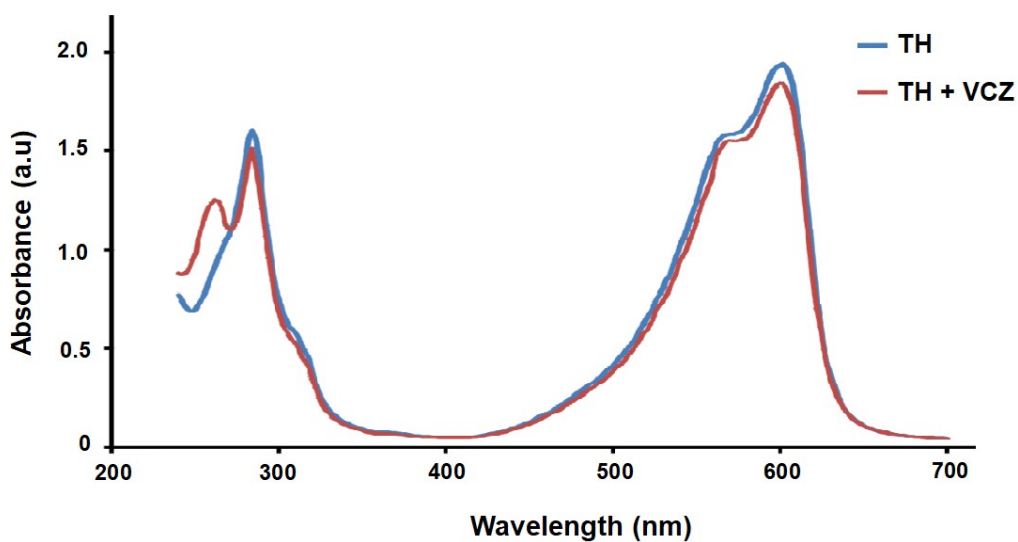
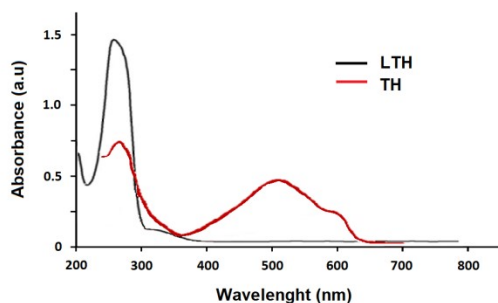


Fig. 3S UV-Vis absorption spectra of TH (red) and LTH (black) at pH = 13.0 (A), and reduction of TH (red) to LTH (colorless) (B).

(A)



(B)

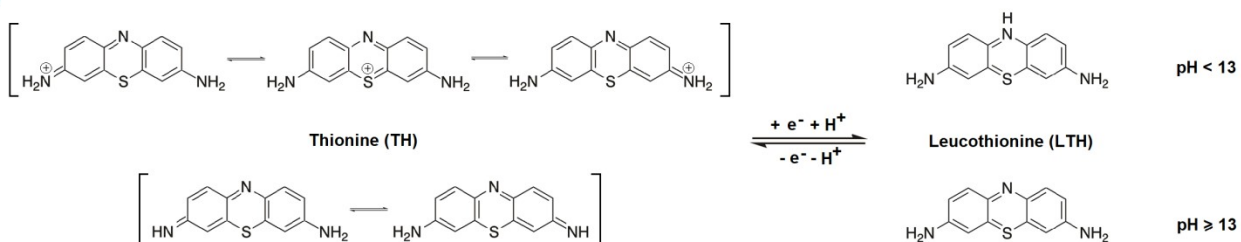


Table 1S Statistical parameters of the TH-VCZ reaction

Slope	Se(slope)	Intercept	Se(intercept)	Correlation coefficient (R ²)	Se(y)
0.0107	0.0001	0.0574	0.0063	0.999	0.0069

Fig. 4S Linearity of the TH-VCZ determination at $\lambda = 514$ nm. Conditions: room temperature, 2-h incubation.

