Supporting Information

A Colorimetric Sensing Platform for α-Glucosidase Activity Monitoring and Inhibitor Screening via in Situ Reduction of 2, 6-Dichlorophenolindophenol

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Supplementary Figures

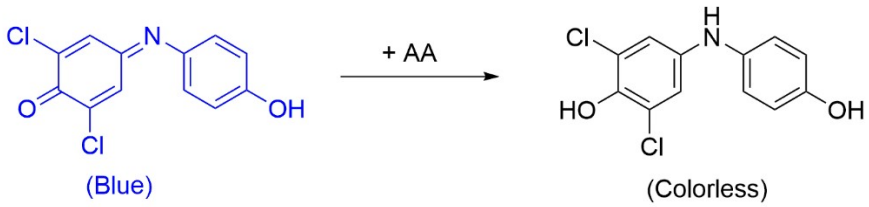

Fig. S1. Structural information of DCIP before and after reacting with generated AA.

Colorimetry	a	b	c	d
AA 2G (0.65 mg mL^{-1})	√		√	
α-Glu (70 U L^{-1})		√	√	
DCIP (1.5 mg mL^{-1})	√	√	√	√
AA (0.2 mg mL^{-1})				√

Fig. S2. Experimental design using four combinations.

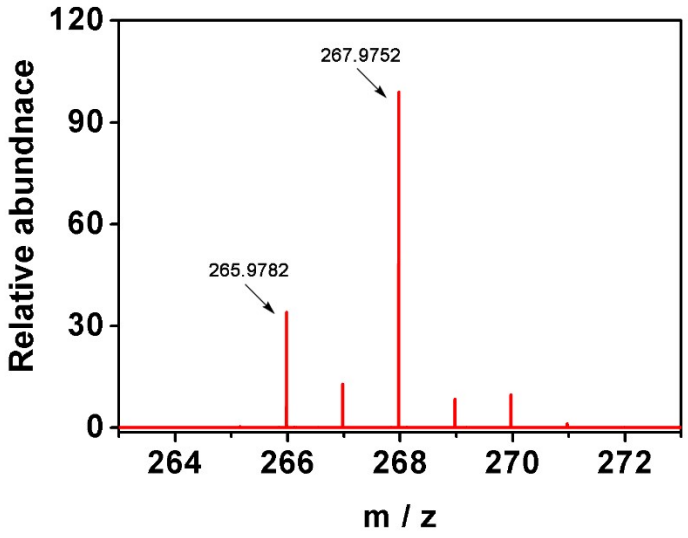

Fig. S3. Mass spectrometry of the DCIP/AA sensing system.

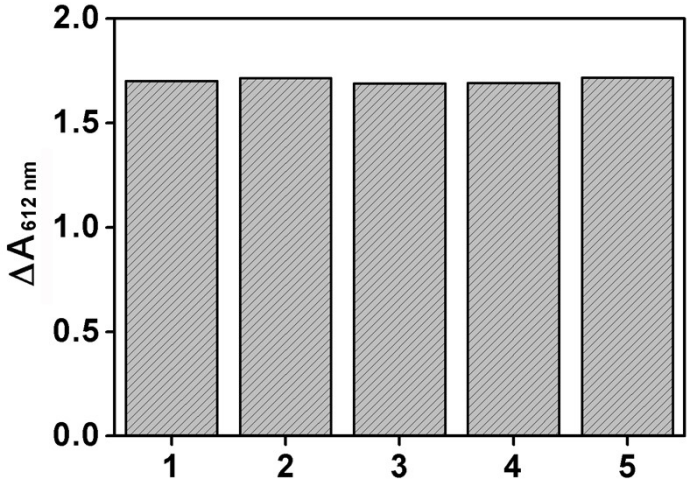

Fig. S4. Five repeated measurements of the sensing system after adding the α-Glu activity (50 U L^{-1}).

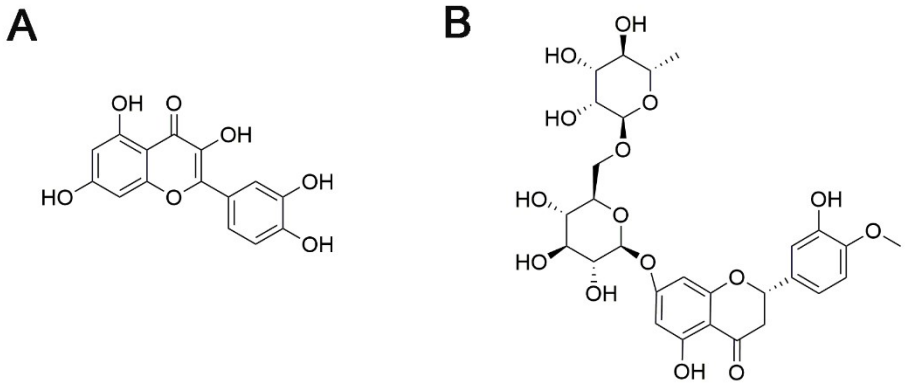

Fig. S5. The structural information of (A) quercetin and (B) hesperidin.