Electronic Supplementary Information (ESI)

Electrochemical behavior of eriocitrin and high sensitive determination based on the electrochemically reduced graphene oxide modified glassy carbon electrode

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Fig. S1 Cyclic voltammograms of 0.5 mmol $L^{-1} \operatorname{Ru}(\operatorname{NH}_3)_6^{2+/3+}$ (internal standard) in pH 7.0 PBS containing 0.1 mol L^{-1} KCl at ERGO (a) and bare GCE (b). Scan rate: 100 mV s⁻¹.



Fig. S2 The differential pulse voltammograms of 50.0 ng mL⁻¹ eriocitrin for the representative interference tests



ERGO										
	D-band	G-band	2D-band	(G+D)-band	2G-band	$\frac{I_{D}}{I_{G}}$				
	(cm ⁻¹)	(%)								
GO	1355.73	1603.24	2704.10	2951.38	3183.52	0.90				
ERGO	1351.47	1600.48	2688.65	2947.94	3206.75	1.34				

Table S1 The peak positions of characteristic bands and the $\frac{I_D}{I_G}$ ratio for the GO and

Table S2 De-convolution of the functional group percentages *via* XPS for GO andERGO.

	C=C/C-C	C-O	C=O	НО-С=О
	at %	at %	at %	at %
GO	40.63	48.38	6.46	4.52
ERGO	61.01	36.12	1.50	1.37