

Supporting Information

Anthraquinonyl glycoside facilitates the standardization of graphene electrodes for the impedance detection of lectins

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Contents list:

S1. Additional figures

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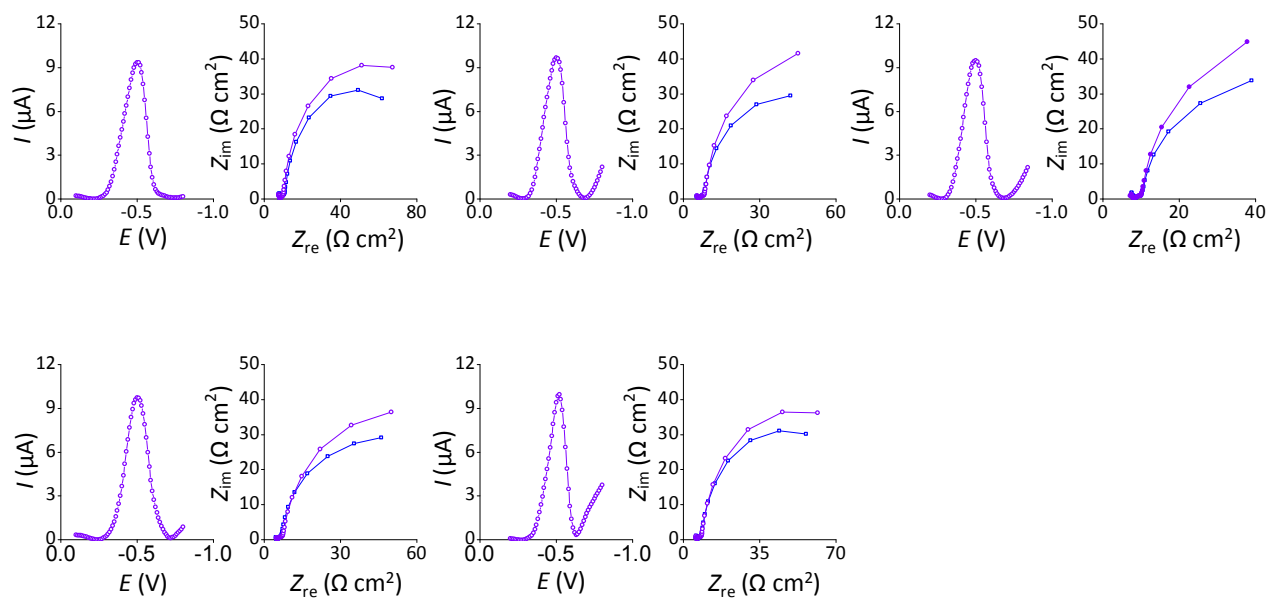


Figure S1. The original DPV and EIS plots of graphene electrodes corresponding to group I of Fig. 2

in the main text.

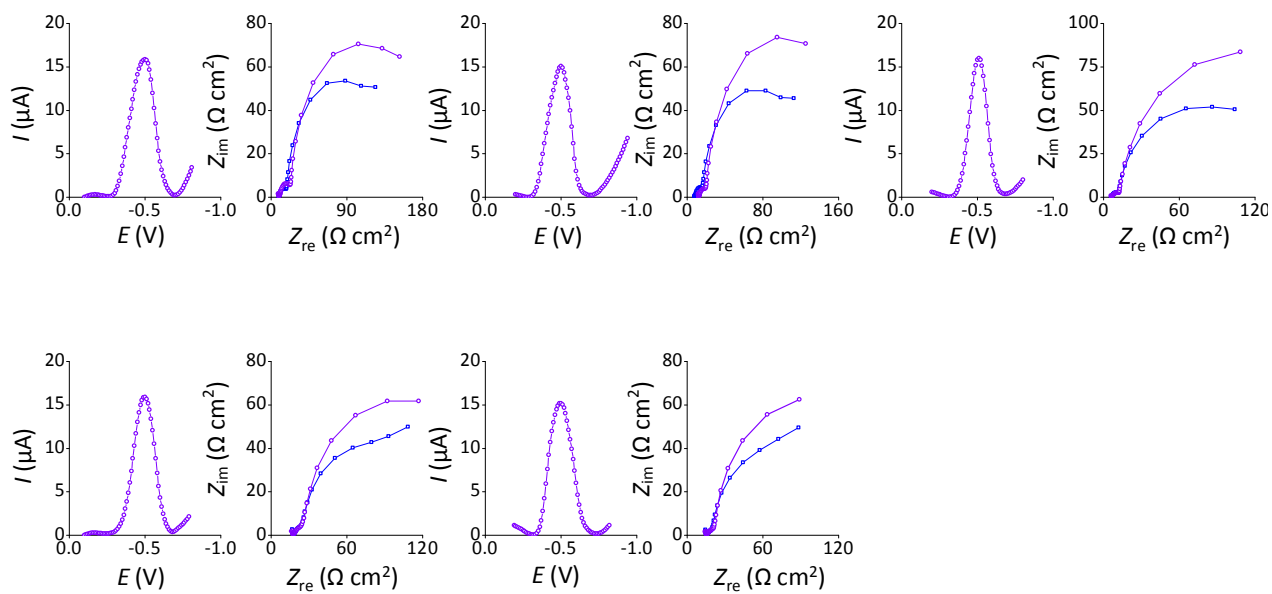


Figure S2. The original DPV and EIS plots of graphene electrodes corresponding to group II of Fig. 2 in the main text.

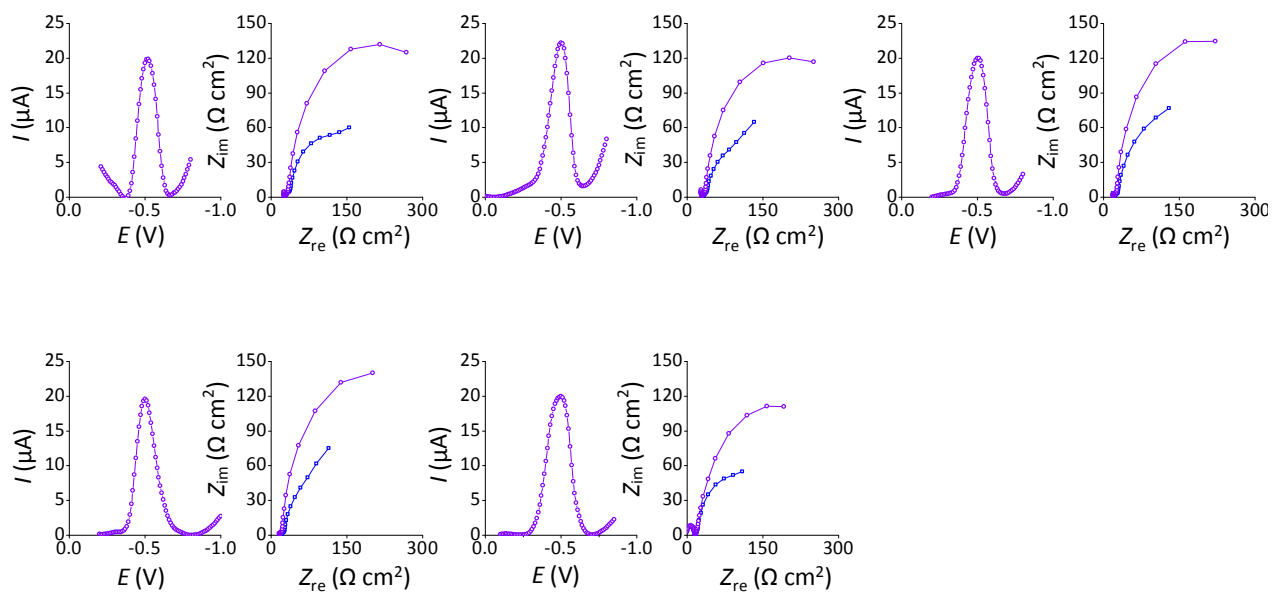


Figure S3. The original DPV and EIS plots of graphene electrodes corresponding to group III of Fig. 2 in the main text.

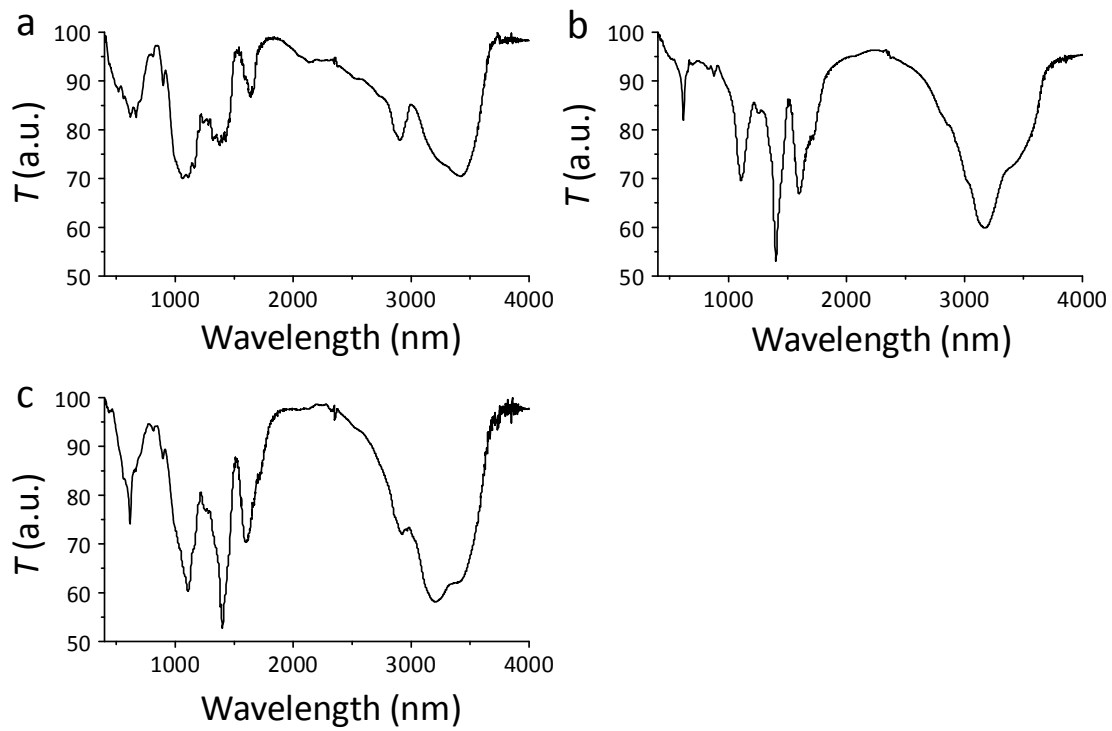


Figure S4. FTIR spectra of (a) nano-graphene (nG), (b) ZBW1 and (c) the nG-ZBW1 complex.

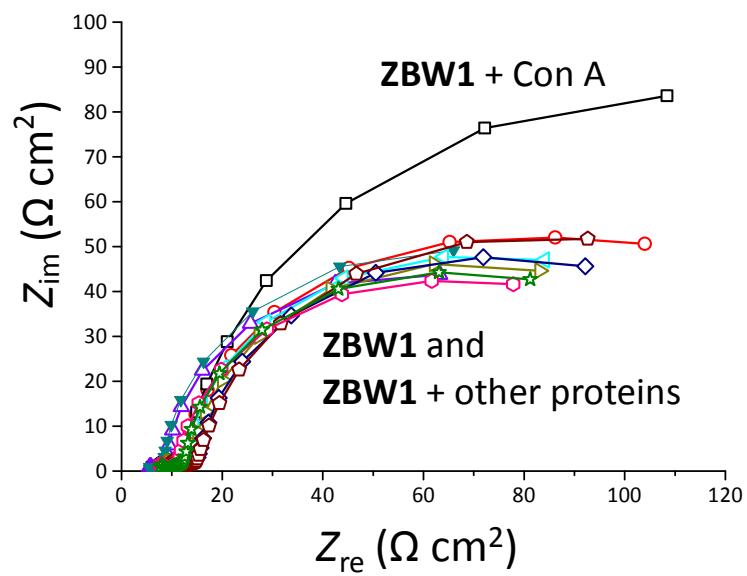


Figure S5. Original EIS spectra of **ZBW1** on graphene electrode in the absence and presence of various proteins (corresponding to Fig. 3d in the main text).

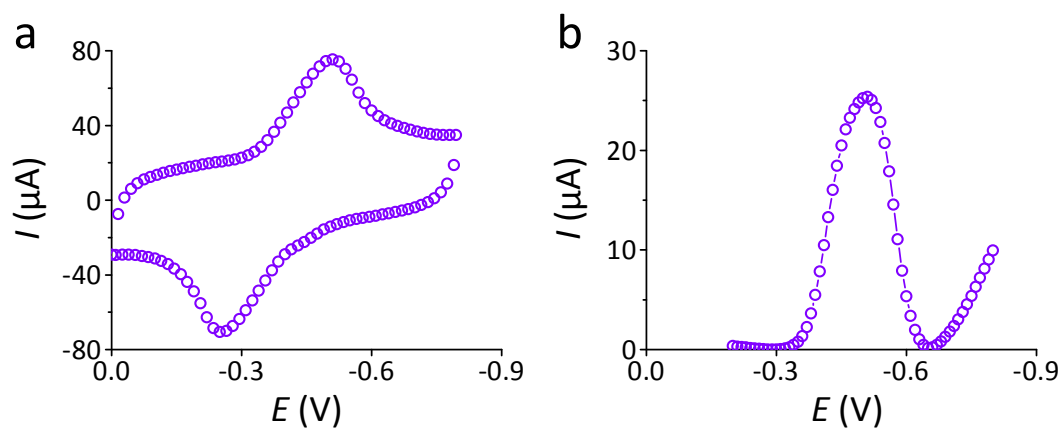


Figure S6. (a) CV and (b) DPV of anthraquinone on the graphene electrode.