*Supporting information*

# An Effective Electrochemical Platform for Chloramphenicol Detection Based on Carbon-Doped Boron Nitride Nanosheets

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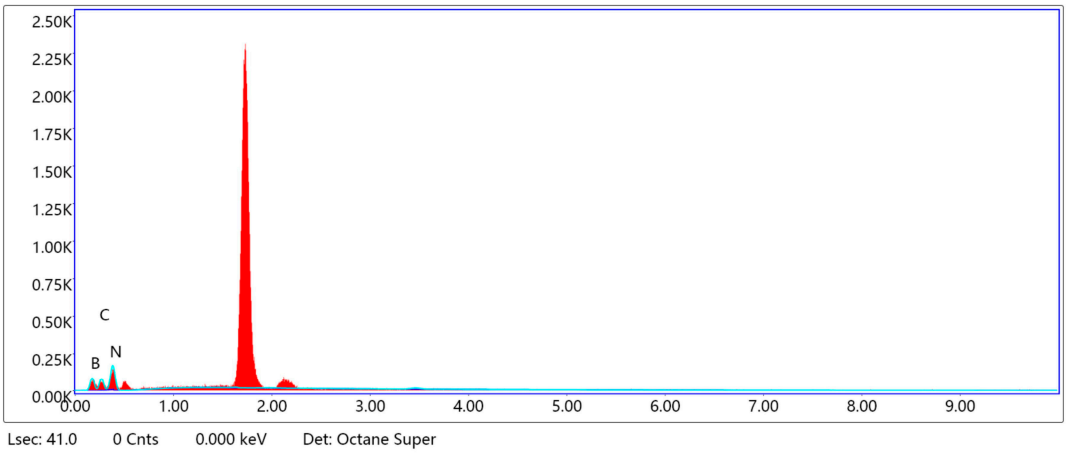


**Figure S1.** EDS profile for C-BN.

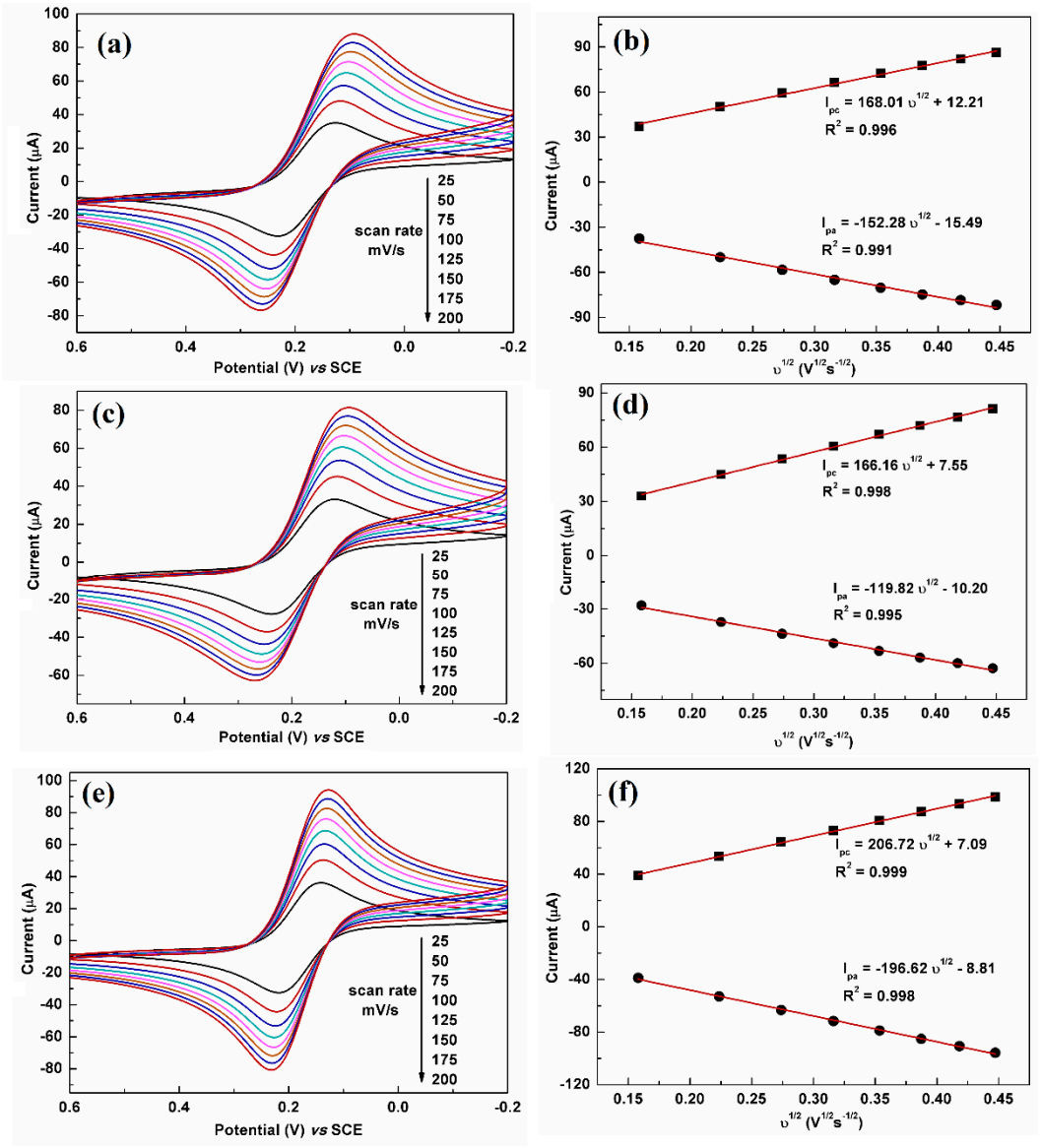


**Figure S2.** CVs of (a) bare GCE, (c) *h*-BN/GCE and (e) C-BN/GCE at different scan rate (25 – 200 mV/s). Plots of the redox peak current ($I_P$) versus the square root of the scan rate ($\nu^{1/2}$) at (b) bare GCE, (d) *h*-BN/GCE and (f) C-BN/GCE. All the tests were conducted in 0.1 M KCl solution containing 1 mM $[Fe(CN)_6]^{3-/4-}$.

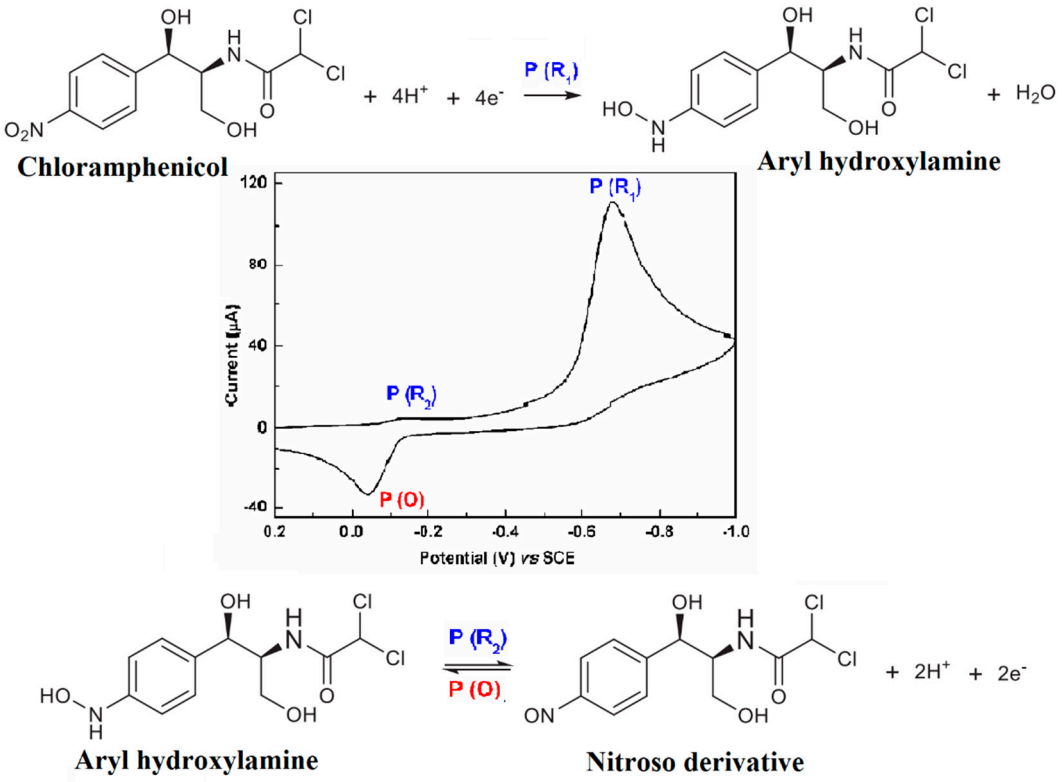


**Figure S3.** The possible electrochemical reaction mechanism of CAP at C-BN/GCE.