Optimization process was carried out for different doping pH condition. The above figure shows x-ray diffraction patterns for faujasite zeolite type (NaY) doped with iron (III) at different pHs compared with that of commercial NaY.
Cyclic voltammograms of Fe$^{3+}$/Fe$^{2+}$ in 0.3 K$_2$SO$_4$ solutions at Fe$^{3+}$Y modified electrode without acid treatment at various scan rates: 40, 60, 80, 100, 120, 140, 160, 180, 200, 250, 300, 350 and 400 mV s$^{-1}$. 
Cyclic voltammograms of Fe$^{3+}$/Fe$^{2+}$ in 0.3 K$_2$SO$_4$ solutions at Fe$^{3+}$Y modified electrode with acid treatment at various scan rates: 200, 250, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200 and 1300 mV s$^{-1}$. 

Supplement information 3

(A) Cyclic voltammograms of PAM-2 (50 μM) in phosphate buffer solution pH 7.0 at Fe^{3+}Y modified electrode with various scan rates: 20, 40, 60, 80, 100, 120, 140, 160, 180, and 200 mV s\(^{-1}\).

(B) Plot of log \(i_p\) versus log \(v\)