

Fig. S1 XPS data for FePc MOF: (A) survey scan; (B) Fe 2p spectrum. (C) XRD spectra of FePc MOF (black: experimental); (red: simulation).

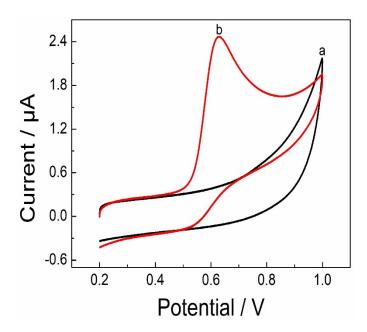


Fig. S2. CV of without (a) and with vanillin (b) on FePc MOF/GCE.

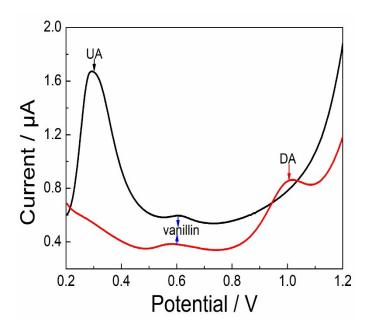


Fig. S3. DPV of 1.5 μM vanillin at FePc MOF/GCE when coexisting with 150 μM UA and DA.

Table S1. Analytical results for the determination of vanillin in human serum.

Sample	Added (µM)	Found (µM)	Recovery(%, n=5)	RSD(%)	
Serum	15	15.5	102.9	3.16	

Table S2. Analytical results for the determination of vanillin in tablets.

Sample	Labeled	Found (mg)	Percentage of labeled	RSD (%)
	amount (mg)		amount (%, n = 5)	
Vanillin tablets	200	UV: 207	103.6	1.18
		EC: 204	102.3	3.92