

Electronic Supplementary Information

A Highly-Selective “Turn-on” Electroanalysis Strategy with Reduced Copper Metal-Organic Frameworks for Sensing Histamine and Histidine

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Table S1. Comparison of analytical results for HTA among different analysis methods

Analysis methods	Linear ranges (μM)	LODs (nM)
Cu nanoclusters-based fluorimetry ¹	0.10 – 10	60
Copper plating electrode-based electroanalysis assay ²	1.0 – 750	300
Platinum-graphene composites-based electroanalysis method ³	0.10 – 300	25.4
This work	0.010 – 100	12.5

Table S2. Recovery test results of the developed electroanalysis method in detecting HTA and His separately in red wine and urine samples (n=5).

Samples	HTA / His concentrations		Recoveries (%)
	Added (μM)	Founded (μM)	
Red wine (HTA)	20.0	18.2 \pm 1.4	91
	100.0	96.4 \pm 7.6	96.4
Urine (His)	20.0	19.5 \pm 0.7	97.5
	100.0	98.3 \pm 7.2	98.3

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