Supplementary Information

A novel biosensor based on ball-flower-like Cu-hemin MOF grown on elastic carbon foam for trichlorfon detection

Yonggui Song, Baixi Shan, Bingwei Feng, Pengfei Xu, Qiang Zeng, Dan Su*

Jiangxi University of Chinese Traditional Medicine, 1688 Meiling Road, Nanchang 330006, China.

*Corresponding author: Tel/Fax: +86 791 87802135. E-mail: sud94@aliyun.com (D. Su).
Fig. S1. Schematic illustration of the fabrication of the integrated AChE/Cu-hemin MOFs/NECFE.
**Fig. S2.** A SEM image of Cu-hemin MOFs/NECF, B Detailed structure of Cu-hemin MOFs/NECF.
**Fig. S3.** Comparison of the percentage of the inhibition of the AChE/Cu-hemin MOFs/NECFE in 0.1 M pH 7.0 PBS with 1.0 mM ATCl in the presence of trichlorfon and other interfering substances.
Fig. S4. Stability test of the AChE/Cu-hemin MOFs/NECFE in 30 days.
**Table S1.** Recovery studies of trichlorfon in tomato samples. (Each result was estimated by six determinations)

<table>
<thead>
<tr>
<th>Sample</th>
<th>Taken (ng mL⁻¹)</th>
<th>Found (ng mL⁻¹)</th>
<th>Recovery (%)</th>
<th>RSD (%)</th>
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