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**A multi-residue method for simultaneous determination of 74 pesticides in Chinese *material medica* using modified QuEChERS sample preparation procedure and gas chromatography tandem mass spectrometry**

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## **Highlights**

- Determination of multi-class pesticide residues in Chinese *material medica*.
- Optimization of modified QuEChERS extraction technique.
- Evaluation of the sorbents used during the cleanup step.
- Application of GC-MS/MS for the determination of pesticides.
- Pesticide residues were detected in the analysed samples.

## **Abstract**

The present study is focused on the development of an analytical method for the simultaneous analysis of seventy-four pesticides belonging to different chemical classes (organochlorines,

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