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Title: A method for screening active components from Chinese herbs by cell membrane chromatography-offline-high performance liquid chromatography/mass spectrometry and an online statistical tool for data processing

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1 **A method for screening active components from Chinese**
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3 **performance liquid chromatography/mass spectrometry and**
4 **~~XCMS-Online~~ online statistical tool for data processing**

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15 Highlights

- 16 • Offline 2D cell membrane chromatography-HPLC/TOFMS screening system was
17 established.
18 • XCMS Online statistical tool was applied to analyze the offline 2D data.
19 • The offline 2D screening system was more sensitive and convenient compared
20 with the online one.
21 • Five potential anti-inflammatory components were discovered from three Chinese
22 herbs.

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