Title: Fabrication and evaluation of magnetic phosphodiesterase-5 linked nanoparticles as adsorbent for magnetic dispersive solid-phase extraction of inhibitors from Chinese herbal medicine prior to ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry analysis

Authors: Yi Tao, Xianghui Gu, Weidong Li, Baochang Cai

PII: S0021-9673(17)31750-8
DOI: https://doi.org/10.1016/j.chroma.2017.11.062
Reference: CHROMA 359046

To appear in: *Journal of Chromatography A*

Received date: 12-7-2017
Revised date: 9-11-2017
Accepted date: 26-11-2017

Please cite this article as: Tao Y, Gu X, Li W, Cai B, Fabrication and evaluation of magnetic phosphodiesterase-5 linked nanoparticles as adsorbent for magnetic dispersive solid-phase extraction of inhibitors from Chinese herbal medicine prior to ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry analysis, *Journal of Chromatography A* (2010), https://doi.org/10.1016/j.chroma.2017.11.062

Manuscript for Journal of Chromatography A

Fabrication and evaluation of magnetic phosphodiesterase-5 linked nanoparticles as adsorbent for magnetic dispersive solid-phase extraction of inhibitors from Chinese herbal medicine prior to ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry analysis

Yi Tao*[1,2], Xianghui Gu[1,2], Weidong Li[1,2], Baochang Cai[1,2]

[1]*School of Pharmacy, Nanjing University of Chinese Medicine, Nanjing 210023, PR China.*

[2]*Jiangsu Key Laboratory of Chinese Medicine Processing, Nanjing University of Chinese Medicine, Nanjing, 210023, PR China.*

*Corresponding author: Prof. Yi Tao

Address: School of Pharmacy, Nanjing University of Chinese Medicine, Xianlin Campus, 138 Xianlin Avenue, Nanjing 210023, China

Tel./Fax: 86-25-86798281

Email: taoyi1985812@126.com

Highlights

- >Magnetic phosphodiesterase-5 linked nanoparticles were synthesized.
- >Excellent magnetic behavior led to its easy collection from herbal samples.
- >The method could be applied for the extraction of inhibitors from herbal mixtures.