Title: A homologues prediction strategy for comprehensive screening and characterization of C_{21} steroids from Xiao-ai-ping injection by using ultra high performance liquid chromatography coupled with high resolution hybrid quadrupole-orbitrap mass spectrometry

Authors: Pei-le Wang, Zhi Sun, Xiao-jing Lv, Tan-ye Xu, Qing-quan Jia, Xin Liu, Xiao-fang Zhang, Zhen-feng Zhu, Xiao-jian Zhang

PII: S0731-7085(17)30283-2
DOI: http://dx.doi.org/10.1016/j.jpba.2017.09.024
Reference: PBA 11521

To appear in: *Journal of Pharmaceutical and Biomedical Analysis*

Received date: 3-2-2017
Revised date: 14-9-2017
Accepted date: 16-9-2017

Please cite this article as: Pei-le Wang, Zhi Sun, Xiao-jing Lv, Tan-ye Xu, Qing-quan Jia, Xin Liu, Xiao-fang Zhang, Zhen-feng Zhu, Xiao-jian Zhang, A homologues prediction strategy for comprehensive screening and characterization of C21 steroids from Xiao-ai-ping injection by using ultra high performance liquid chromatography coupled with high resolution hybrid quadrupole-orbitrap mass spectrometry, Journal of Pharmaceutical and Biomedical Analysishttp://dx.doi.org/10.1016/j.jpba.2017.09.024

A homologues prediction strategy for comprehensive screening and characterization of C_{21} steroids from Xiao-ai-ping injection by using ultra high performance liquid chromatography coupled with high resolution hybrid quadrupole-orbitrap mass spectrometry

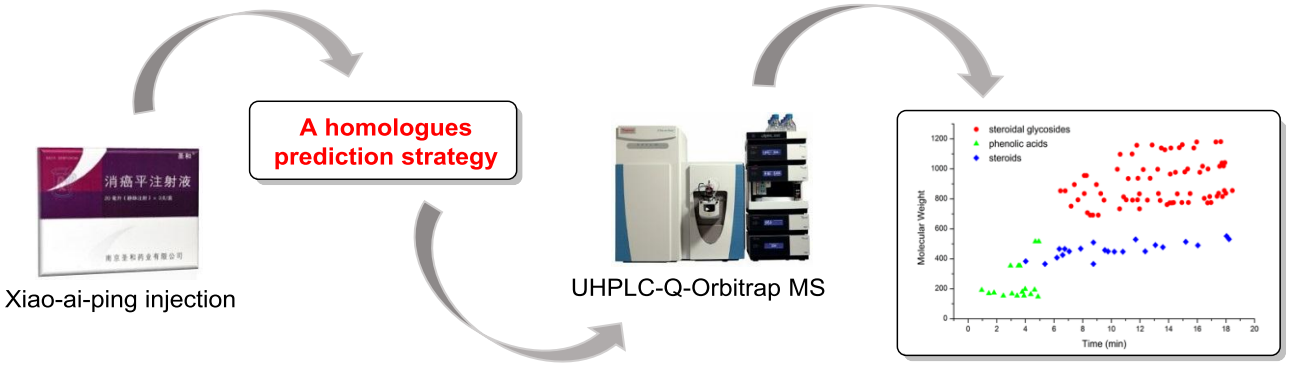
Pei-le Wang *, Zhi Sun, Xiao-jing Lv, Tan-ye Xu, Qing-quan Jia, Xin Liu, Xiao-fang Zhang, Zhen-feng Zhu, Xiao-jian Zhang *

Department of Pharmacy, The First Affiliated Hospital of Zhengzhou University, Zhengzhou, Henan Province, 450052, P. R. China

**Corresponding author: Tel. and fax: +86 0371 6686 2570*

E-mail address: comwpl5876@163.com (P.L. Wang); zhangxj6686@163.com (X.J. Zhang)

Graphical abstract



Highlights

- A novel homologues prediction strategy for systematic characterization and discovery of chemical components from TCMs was proposed.