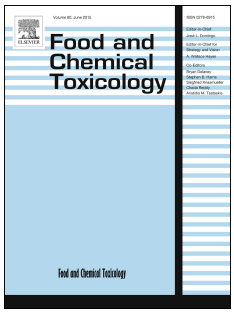
Accepted Manuscript



Residue analysis and dietary exposure risk assessment of tebufenozide in stem lettuce (*Lactuca sativa* L. *var. angustana Irish*)

Hongfang Lin, Xinze Liu, Yecheng Ma, Kyongjin Pang, Jiye Hu

PII: S0278-6915(18)30431-9

DOI: 10.1016/j.fct.2018.06.057

Reference: FCT 9878

To appear in: *Food and Chemical Toxicology*

Received Date: 30 January 2018

Revised Date: 13 June 2018

Accepted Date: 25 June 2018

Please cite this article as: Lin, H., Liu, X., Ma, Y., Pang, K., Hu, J., Residue analysis and dietary exposure risk assessment of tebufenozide in stem lettuce (*Lactuca sativa* L. *var. angustana Irish*), *Food and Chemical Toxicology* (2018), doi: 10.1016/j.fct.2018.06.057.

Residue analysis and dietary exposure risk assessment of tebufenozide in stem lettuce *(Lactuca sativa L. var. angustana Irish)*

Hongfang Lin, Xinze Liu, Yecheng Ma, Kyongjin Pang, Jiye Hu *

School of Chemistry and Biological Engineering, University of Science and Technology Beijing, Beijing 100083, PR China

*Corresponding author: Professor Jiye Hu

Corresponding address: School of Chemistry and Biological Engineering, University of Science and Technology Beijing, 100083, P.R. China

Fax: +8610 82376002; E-mail: jyhu@ustb.edu.cn (J.Y. Hu)

Co-authors' email: Hongfang Lin: hongfanglin1991@163.com (H. Lin), Xinze Liu: ustblxz@gmail.com (X. Liu), Yecheng Ma: myc19930309@163.com (Y. Ma), Kyongjin Pang: banggyongjin@163.com (K. Pang)

Abbreviations: ADI, acceptable daily intake; ARfD, acute reference dose; bw, the average body weight; F_i, the reference food intake; GAP, good agricultural practices; HR, the highest residue; LC-MS/MS, liquid chromatography- tandem mass spectrometry; LOQs, limits of quantification; MRLs, maximum residue limits; NEDI, national estimated daily intake; NESTI, international estimated short-term intake; PHI, pre-harvest interval; RQ, risk quotient; RQc, chronic dietary exposure risk probability; RQa, acute dietary exposure risk probability; RSDs, relative standard deviations; SC, suspension concentration; STMR, supervised trials median residue; SPE, solid-phase extraction.