Supporting Information

Supporting information for the article "Establishment of an isotope dilution LC-MS/MS method revealing kinetics and distribution of co-occurring mycotoxins in rat" by Zheng Han, Gang Liu, Zhiyong Zhao, Jingbo Zhang, Yucai Liao, Jianxin Shi, Dabing Zhang, Suquan Song, Sarah De Saeger, Aibo Wu.

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Captions

Fig. S-1. Chemical structures of AFB1 (a) and T-2 (b) and the MS/MS spectrometry of AFB1 (c) and T-2 (d).

Table S-1 Factors, levels and the results of the orthogonal experiment $L_9(3^4)$.

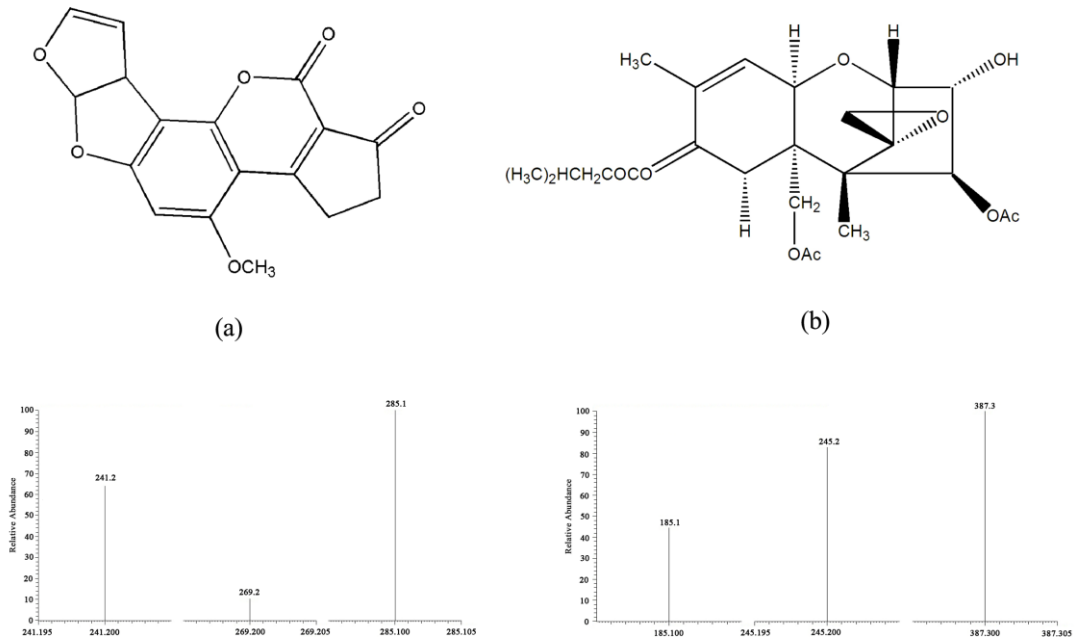

Fig. S-1. Chemical structures of AFB1 (a) and T-2 (b) and the MS/MS spectrometry of AFB1 (c) and T-2 (d).

Table S-1 Factors, levels and the results of the orthogonal experiment $L_9(3^4)$.

Levels	Factors 1 Ratio (silica gel/ florisil)	2 Quantity of total materials (mg)	3 Quantity of elution solvent (mL)	4 Blank
1	9/1	0.1	1	
2	7/3	0.3	2	
3	5/5	0.5	3	

Run	1	2	3	4	Total contents (ng mL^{-1})
1	1	1	1		2.269
2	1	2	2		2.077
3	1	3	3		2.466
4	2	1	2		2.262
5	2	2	3		2.066
6	2	3	1		1.267
7	3	1	3		2.518
8	3	2	1		1.318
9	3	3	2		1.822
$\bar{X}_1$ (ng mL^{-1})	2.271	2.350	1.618	2.052	
$\bar{X}_2$ (ng mL^{-1})	1.865	1.820	2.054	1.954	
$\bar{X}_3$ (ng mL^{-1})	1.886	1.852	2.350	2.015	
Range	0.406	0.530	0.732	0.098	

Factors	Sum of SSE^2	Degree of freedom	F	Critical Value of F	Significance
Ratio	0.313	2	20.867	19.000	*
Quantity of total materials	0.529	2	35.267	19.000	*
Quantity of elution solvent	0.813	2	54.200	19.000	*
Error	0.01	2			