Electronic Supplementary Material (ESI) for Toxicology Research.

Supplementary tables:

Table S1. Effect of Acetochlor on weight of C57BL/6 male mice（ $\bar{x}$±s）

Groups	n	0 days(g)	7 days(g)	14 days(g)	21 days(g)	30 days(g)
Control	10	20.44±0.78	21.07±0.99	23.33±1.14	24.78±1.52	25.75±1.65
250mg/kg	10	20.40±0.74	20.86±0.69	22.58±0.60	24.06±0.66	25.25±0.67
500mg/kg	10	20.32±0.79	20.72±0.63	21.92±0.71 [a]	22.83±0.92 [ab]	24.18±0.98 [ab]
1000mg/kg	10	20.45±0.72	18.49±1.96 [abc]	21.18±1.89 [ab]	21.91±1.80 [ab]	21.35±1.89 [abc]
P		0.915	**0.001**	**0.001**	**0.001**	**0.001**

a ： $P<0.05$ compared with Control；

b ： $P<0.05$ compared with 250mg/kg group；

c ： $P<0.05$ compared with 500mg/kg group

Table S2. Effect of Acetochlor on organ/body ratios of C57BL/6 male mice（%, $\bar{x}$±s）

Groups	n	heart	liver	spleen	lung	kidney	testis	epididymis
Control	10	0.487± 0.05	4.628±0.24	0.275±0.02	0.576±0.06	1.192±0.08	0.702±0.08	0.219±0.09
250mg/kg	10	0.542±0.09	5.088±0.27	0.263±0.07	0.576±0.07	1.518±0.07[a]	0.712±0.07	0.363±0.09[a]
500mg/kg	10	0.622±0.10[a]	5.72±0.26[ab]	0.302±0.06	0.582±0.13	1.639±0.13[ab]	0.794±0.18	0.347±0.08[a]
1000mg/kg	10	0.662±0.18[ab]	9.14±0.98[abc]	0.716±0.24[abc]	0.634±0.15	1.873±0.15[abc]	0.783±0.12	0.368±0.10[a]
P		**0.004**	**0.001**	**0.001**	0.508	**0.001**	0.171	**0.001**

a：*P*<0.05 compared with Control； b：*P*<0.05 compared with 250mg/kg group；c：*P*<0.05 compared with 500mg/kg group

Table S3. Effect of Acetochlor on biochemical indicators of C57BL/6 male mice（ $\bar{x}$±s，n=10）

Groups	TP	ALB	ALT	AST	BUN	CREA	GLU	TG	CHO
Control	56.22±1.94	28.52±0.70	38.90±10.52	143.90±17.93	9.47±1.56	26.46±4.42	9.71±1.52	1.29±0.16	2.68±0.18
250mg/kg	54.85±2.40	27.15±1.14[a]	59.56±20.64	208.50±98.26	8.35±0.83[a]	22.62±5.93[a]	10.79±0.67	1.28±0.21	2.87±0.30
500mg/kg	55.45±1.91	27.58±0.61	55.82±11.38	165.52±39.77	7.67±1.17[a]	22.25±2.04[a]	10.20±1.82	1.33±0.26	3.33±2.36[ab]
1000mg/kg	56.72±2.69	28.19±1.64[b]	391.84±309.71[abc]	528.91±473.79[abc]	7.29±1.49[ab]	17.17±4.59[abc]	9.14±1.33[b]	1.81±0.43[abc]	3.84±0.35[abc]
P	0.202	**0.022**	**0.001**	**0.001**	**0.001**	**0.001**	**0.033**	**0.001**	**0.001**

a： *P*<0.05 compared with Control； b：*P*<0.05 compared with 250mg/kg group；c：*P*<0.05 compared with 500mg/kg group

Table S4. Effect of Acetochlor on levels of SOD、MDA and GSH in C57BL/6 male mice（ $\bar{x}$±s）

Groups	n	SOD（U/mg prot）	MDA（nmol/mg prot）	GSH（μmol/g prot）
Control	10	342.19±44.24	0.99±0.26	11.04±1.24
250mg/kg	10	287.83±37.90 [a]	1.30±0.42 [a]	12.15±1.23
500mg/kg	10	256.98±40.09 [a]	1.34±0.28 [a]	9.96±2.18 [b]
1000mg/kg	10	249.98±47.86 [ab]	1.81±0.23 [abc]	9.38±1.84 [ab]
P		**0.001**	**0.001**	**0.001**

a ： $P<0.05$ compared with Control； b： $P<0.05$ compared with 250mg/kg group；c： $P<0.05$ compared with 500mg/kg group.

Table S5. Effect of Acetochlor on levels of SOD、MDA and GSH in GC-1 spgs

Groups	SOD($\bar{x}$±s,U/mg prot)	MDA($\bar{x}$±s,umol/mg prot)	GSH($\bar{x}$±s, mg/g prot)
Control	4.43±1.61	2.83±0.08	56.51±0.57
10^{-4} M	4.15±1.66	3.56±0.16	35.59±1.73
2×10^{-4} M	3.06±1.37	3.96±0.06	28.74±1.04
4×10^{-4} M	1.75±0.63	4.37±0.14	18.41±0.88
8×10^{-4} M	0.93±0.35	7.56±0.48	14.85±0.16
10^{-3} M	0.50±0.10	8.56±0.60	10.86±0.96