

**Table S1.** Se concentration in the liver and kidneys of mice injected with SeHLan, SeMet or selenite.

Dose (mg Se kg <sup>-1</sup> b.w.)		Se concentration (µg Se g <sup>-1</sup> tissue weight)			
		liver		kidney	
control		0.74	± 0.11	0.47	± 0.04
0.1	SeHLan	0.76	± 0.06	0.48	± 0.01
	SeMet	0.78	± 0.11	0.55	± 0.02
	selenite	0.70	± 0.10	0.44	± 0.05
1.0	SeHLan	0.90	± 0.10	0.70	± 0.04
	SeMet	1.31	± 0.14 <sup>*</sup>	0.99	± 0.09 <sup>**</sup>
	selenite	0.99	± 0.07	0.52	± 0.04
10	SeHLan	1.50	± 0.19 <sup>***</sup>	1.99	± 0.56 <sup>***</sup>
	SeMet	6.62	± 0.59 <sup>***</sup>	3.73	± 0.06 <sup>***</sup>

Values represent means ± standard deviation for 4 animals. Significant levels between control group and treated groups are indicated as \*, \*\* and \*\*\* at  $p < 0.05$ ,  $p < 0.01$  and  $p < 0.001$ , respectively

**Table S2.** Serum biochemical indices of mice injected with SeHLan, SeMet or selenite.

dose (mg Se kg <sup>-1</sup> b.w.)		ALT (U L <sup>-1</sup> )	BUN (mg dL <sup>-1</sup> )	creatinine (mg dL <sup>-1</sup> )	amylase (U L <sup>-1</sup> )
control		19 ± 4	24 ± 4	0.108 ± 0.010	2578 ± 535
0.1	SeHLan	20 ± 2	21 ± 3	0.095 ± 0.013	2487 ± 331
	SeMet	24 ± 4	24 ± 2	0.098 ± 0.018	3518 ± 560 *
	selenite	25 ± 10	22 ± 3	0.098 ± 0.029	2717 ± 166
1	SeHLan	20 ± 3	17 ± 1	0.078 ± 0.010	2764 ± 358
	SeMet	22 ± 5	22 ± 4	0.098 ± 0.019	2698 ± 182
	selenite	28 ± 4	25 ± 4	0.083 ± 0.025	2690 ± 200
10	SeHLan	18 ± 6	84 ± 47 <sup>***</sup>	0.483 ± 0.244 <sup>***</sup>	2181 ± 341
	SeMet	84 ± 23 <sup>***</sup>	14 ± 2	0.086 ± 0.013	4538 ± 759 <sup>***</sup>

Values represent means ± standard deviation for 4 animals. Significant differences between control group and treated groups were indicates as \*\*\* at  $p < 0.001$ .

**Table S3.** The number of survival mice after administration of LPS and Se compounds.

	n	Time after administration (hr)				
		24	30	36	42	72
LPS	10	7	3	2	1	1
LPS + SeHLan	10	8	5	5	5	5
LPS + SeMet	10	8	6	6	4	4
LPS + selenite	10	8	5	4	3	3