

Table S1. Male and female organ weights in the 28-day repeated oral dose toxicity study of approximately 5 μm (a, b) and 10–50 μm (c, d). The results are expressed as the mean \pm SD. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. 0.

a. approximately 5 μm , male, organ weights

Group / Dose (mg/kg/day)	Brain	Heart	Liver	Kidney	Spleen	Testis	Epididymis
G1 0	0.47 \pm 0.03	0.18 \pm 0.03	1.43 \pm 0.15	0.44 \pm 0.05	0.09 \pm 0.02	0.25 \pm 0.05	0.09 \pm 0.01
G2 500	0.47 \pm 0.02	0.18 \pm 0.03	1.36 \pm 0.09	0.45 \pm 0.03	0.09 \pm 0.01	0.27 \pm 0.04	0.09 \pm 0.02
G3 1,000	0.47 \pm 0.03	0.18 \pm 0.03	1.37 \pm 0.09	0.44 \pm 0.05	0.10 \pm 0.02	0.25 \pm 0.04	0.09 \pm 0.01
G4 2,000	0.48 \pm 0.03	0.18 \pm 0.02	1.33 \pm 0.11	0.46 \pm 0.04	0.09 \pm 0.02	0.26 \pm 0.04	0.10 \pm 0.03

b. approximately 5 μm , female, organ weights

Group / Dose (mg/kg/day)	Brain	Heart	Liver	Kidney	Spleen	Testis
G1 0	0.47 \pm 0.03	0.15 \pm 0.02	1.12 \pm 0.16	0.30 \pm 0.03	0.10 \pm 0.02	0.017 \pm 0.003
G2 500	0.46 \pm 0.03	0.14 \pm 0.01	1.02 \pm 0.09	0.28 \pm 0.02	0.09 \pm 0.02	0.018 \pm 0.005
G3 1,000	0.48 \pm 0.03	0.14 \pm 0.01	1.02 \pm 0.14	0.28 \pm 0.03	0.09 \pm 0.01	0.017 \pm 0.007
G4 2,000	0.45 \pm 0.02	0.17 \pm 0.12	1.01 \pm 0.12	0.29 \pm 0.02	0.10 \pm 0.02	0.015 \pm 0.005

c. 10-50 μm , male, organ weights

Group / Dose (mg/kg/day)	Brain	Heart	Liver	Kidney	Spleen	Testis	Epididymis
G1 0	0.46±0.02	0.19±0.03	1.35±0.14	0.44±0.07	0.10±0.02	0.25±0.03	0.09±0.02
G2 500	0.46±0.04	0.16±0.02*	1.48±0.25	0.42±0.04	0.08±0.01*	0.23±0.03	0.08±0.02
G3 1,000	0.47±0.02	0.18±0.02	1.46±0.07*	0.42±0.04	0.09±0.02	0.25±0.02	0.09±0.01
G4 2,000	0.48±0.04	0.17±0.02	1.38±0.11	0.44±0.03	0.10±0.02	0.25±0.04	0.08±0.01

d. 10-50 μm , male, organ weights

Group / Dose (mg/kg/day)	Brain	Heart	Liver	Kidney	Spleen	Ovary
G1 0	0.48±0.02	0.15±0.02	1.14±0.11	0.29±0.03	0.09±0.02	0.017±0.004
G2 500	0.46±0.02	0.13±0.02*	1.07±0.11	0.28±0.02	0.11±0.04	0.015±0.004
G3 1,000	0.48±0.03	0.14±0.02	1.05±0.12	0.29±0.03	0.09±0.03	0.015±0.003
G4 2,000	0.47±0.02	0.14±0.02	1.04±0.05*	0.27±0.03	0.09±0.02	0.016±0.006