

**Time Courses of Tungsten Accumulation in Tissue after Single Gavage Administration of
1, 10, or 100 mg/kg Sodium tungstate dihydrate to Female C57BL/6N Mice
(Studies B, H, and D)^a**

Time Course in Tissues Study B (100 mg/kg)

Matrix	1 hour^b	2 hours	4 hours	24 hours
Plasma (µg/g)	6.98 ± 2.35	5.08 ± 2.31	5.68 ± 3.73	0.18 ± 0.10
Small Intestine (µg/g)	245.31 ± 84.27	130.70 ± 77.42	126.97 ± 57.94	1.93 ± 1.64
Liver (µg/g)	2.06 ± 0.48	1.72 ± 0.87	1.94 ± 1.20	0.18 ± 0.11
Kidney (µg/g)	7.82 ± 1.98	6.56 ± 3.08	6.13 ± 4.08	0.98 ± 0.83
Femur (µg/g)	4.68 ± 1.77	5.15 ± 2.47	10.19 ± 3.40	3.22 ± 0.56
Uterus (µg/g)	2.17 ± 0.32	2.61 ± 1.64	2.51 ± 1.68	0.35 ± 0.44

^aAll data shown as the mean ± standard deviation (n = 4). Target dose was 100 mg/kg, and actual dose was 95.91 ± 8.39 mg/kg (n = 16).

^bTime after dosing

Time Course in Tissues Study H (10 mg/kg)

Matrix	1 hour^b	2 hours	4 hours	24 hours
Plasma (µg/g)	0.52 ± 0.11	0.87 ± 0.39	0.47 ± 0.53	0.04 ± 0.01
Small Intestine (µg/g)	56.64 ± 15.11	24.43 ± 10.13	6.10 ± 3.11	0.08 ± 0.05
Liver (µg/g)	0.32 ± 0.06	0.41 ± 0.15	0.20 ± 0.10	0.02 ± 0.01
Kidney (µg/g)	1.47 ± 0.20	2.16 ± 0.82	1.04 ± 0.44	0.18 ± 0.05
Femur (µg/g)	1.61 ± 0.20	3.18 ± 0.86	2.27 ± 0.80	0.82 ± 0.26
Uterus (µg/g)	0.78 ± 0.63	1.17 ± 0.95	0.33 ± 0.17	0.10 ± 0.01

^aAll data shown as the mean ± standard deviation (n = 4). Target dose was 10 mg/kg, and actual dose was 9.68 ± 0.53 mg/kg (n = 16).

^bTime after dosing

Time Course in Tissues Study D (1 mg/kg)

Matrix	1 hour^b	2 hours	4 hours	24 hours
Plasma (µg/g)	1.30 ± 2.52	0.04 ± 0.01	0.02 ± 0.00	0.01 ± 0.01
Small Intestine (µg/g)	6.47 ± 1.09	2.97 ± 1.14	0.86 ± 0.58	0.01 ± 0.00
Liver (µg/g)	0.06 ± 0.01	0.06 ± 0.02	0.03 ± 0.01	0.00 ± 0.00
Kidney (µg/g)	0.22 ± 0.08	0.23 ± 0.07	0.14 ± 0.06	0.03 ± 0.01
Femur (µg/g)	0.45 ± 0.19	0.37 ± 0.13	0.43 ± 0.35	0.33 ± 0.12
Uterus (µg/g)	0.30 ± 0.27	0.12 ± 0.03	0.12 ± 0.05	0.06 ± 0.05

^aAll data shown as the mean ± standard deviation (n = 4). Target dose was 1 mg/kg, and actual dose was 0.99 ± 0.04 mg/kg (n = 16).

^bTime after dosing