

Table S1. Body weight changes of male SD rats treated with TiO₂ nanoparticles for 13 weeks.

		0 mg/10ml/kg	260.37 mg/10ml/kg	520.75 mg/10ml/kg	1,041.5 mg/10ml/kg
Week 1	Day 1	260.6 ± 16.1	255.4 ± 13.9	259.0 ± 10.6	259.9 ± 12.9
Week 2	Day 1	321.6 ± 22.0	313.6 ± 21.5	317.4 ± 14.9	322.2 ± 19.1
Week 3	Day 1	368.0 ± 27.8	361.6 ± 28.4	363.0 ± 22.7	367.3 ± 27.6
Week 4	Day 1	409.6 ± 35.0	403.7 ± 37.8	404.2 ± 26.2	411.3 ± 33.1
Week 5	Day 1	438.3 ± 42.0	435.2 ± 45.2	424.2 ± 26.9	442.3 ± 34.7
Week 6	Day 1	467.0 ± 45.2	466.5 ± 46.6	455.1 ± 33.7	476.0 ± 41.2
Week 7	Day 1	487.4 ± 55.8	480.6 ± 46.2	475.1 ± 35.5	497.7 ± 47.0
Week 8	Day 1	511.4 ± 55.2	500.3 ± 53.5	498.5 ± 40.3	520.4 ± 51.3
Week 9	Day 1	534.5 ± 66.8	518.1 ± 58.3	519.6 ± 43.6	536.2 ± 51.4
Week 10	Day 1	551.3 ± 71.3	533.1 ± 62.6	534.5 ± 45.8	551.4 ± 54.6
Week 11	Day 1	563.5 ± 75.6	551.7 ± 65.9	548.2 ± 47.6	563.7 ± 56.5
Week 12	Day 1	576.4 ± 76.9	566.1 ± 69.1	565.9 ± 50.0	581.8 ± 59.6
Week 13	Day 1	585.2 ± 81.0	579.7 ± 69.0	575.6 ± 50.0	595.1 ± 61.4

Table S2. Body weight changes of female SD rats treated with TiO₂ nanoparticles for 13 weeks.

		0 mg/10ml/kg	260.37 mg/10ml/kg	520.75 mg/10ml/kg	1,041.5 mg/10ml/kg
Week 1	Day 1	170.0 ± 9.8	171.3 ± 11.8	172.4 ± 9.7	168.2 ± 10.5
Week 2	Day 1	198.5 ± 14.2	198.3 ± 14.0	198.5 ± 12.3	197.0 ± 12.5
Week 3	Day 1	224.7 ± 16.9	224.9 ± 14.7	223.2 ± 14.1	223.4 ± 15.5
Week 4	Day 1	245.4 ± 21.0	243.1 ± 14.8	243.3 ± 18.3	237.1 ± 16.4
Week 5	Day 1	257.8 ± 22.8	255.3 ± 16.2	256.8 ± 18.7	248.2 ± 19.3
Week 6	Day 1	273.0 ± 26.0	270.9 ± 19.8	265.7 ± 17.7	262.7 ± 20.8
Week 7	Day 1	281.2 ± 26.2	278.0 ± 19.1	277.8 ± 19.3	268.0 ± 24.2
Week 8	Day 1	283.0 ± 28.0	285.4 ± 17.4	280.5 ± 19.7	273.8 ± 22.4
Week 9	Day 1	288.7 ± 28.4	292.2 ± 20.7	289.9 ± 19.7	279.6 ± 26.4
Week 10	Day 1	300.3 ± 27.9	302.0 ± 23.8	296.8 ± 22.0	288.0 ± 26.0
Week 11	Day 1	300.8 ± 29.5	304.0 ± 23.3	300.8 ± 23.9	290.4 ± 25.8
Week 12	Day 1	311.8 ± 28.0	311.4 ± 22.1	306.8 ± 25.6	297.6 ± 29.0
Week 13	Day 1	316.3 ± 31.7	315.2 ± 23.3	313.2 ± 28.7	301.7 ± 27.5

Table S3. Body weight changes of male SD rats treated with ZnO nanoparticles for 13 weeks.

		0 mg/10ml/kg	67.1 mg/10ml/kg	134.2 mg/10ml/kg	268.4 mg/10ml/kg	536.8 mg/10ml/kg
Week 1	Day 1	260.8±9.8	261.1±9.8	265.1±13.3	265.0±13.9	259.1±10.2
Week 2	Day 7	316.6±16.5	317.5±16.6	323.0±20.8	320.9±17.3	304.2±16.6
Week 3	Day 7	358.5±21.3	355.6±26.5	365.3±29.4	361.5±21.1	346.6±16.8
Week 4	Day 7	393.5±27.6	395.8±28.6	403.3±35.3	396.6±25.1	365.3±26.9
Week 5	Day 7	426.7±35.2	424.2±33.7	434.6±36.2	427.5±26.9	388.5±33.5*
Week 6	Day 7	454.2±34.9	451.3±36.7	456.1±32.8	457.2±27.5	413.5±39.3*
Week 7	Day 7	474.7±38.1	471.1±36.0	478.7±38.9	478.2±28.5	436.0±35.8
Week 8	Day 7	496.7±43.5	495.2±38.0	500.4±41.5	497.8±29.6	456.1±36.3
Week 9	Day 7	514.4±45.1	513.0±40.2	519.8±42.3	515.8±29.2	468.3±39.3*
Week 10	Day 7	534.6±49.5	533.4±43.3	546.7±47.2	531.9±27.6	482.5±49.4*
Week 11	Day 7	550.0±53.2	550.4±44.2	566.7±49.7	550.4±28.6	485.6±59.6*
Week 12	Day 7	555.4±56.8	556.1±46.9	571.0±48.1	551.3±34.4	494.6±52.9*
Week 13	Day 7	561.2±56.9	561.5±48.5	570.8±48.7	559.7±34.1	504.8±54.0*

Values are mean ± S.D. and $n = 11$. Significance versus vehicle control: * $p < 0.05$.

Table S4. Body weight changes of female SD rats treated with ZnO nanoparticles for 13 weeks.

		0 mg/10ml/kg	67.1 mg/10ml/kg	134.2 mg/10ml/kg	268.4 mg/10ml/kg	536.8 mg/10ml/kg
Week 1	Day 1	179.8±9.6	180.2±8.6	181.0±7.8	181.4±10.0	179.2±8.2
Week 2	Day 7	207.7±11.1	209.2±11.2	207.0±10.9	210.3±13.5	207.9±8.4
Week 3	Day 7	223.9±11.4	224.0±14.4	221.1±11.9	229.1±19.1	226.8±11.1
Week 4	Day 7	241.7±13.5	245.0±16.2	239.8±14.1	247.4±17.9	242.6±12.9
Week 5	Day 7	251.3±18.7	254.4±18.5	250.6±17.1	259.1±21.7	259.6±15.9
Week 6	Day 7	260.2±18.1	264.3±17.6	259.4±15.8	264.2±20.9	264.4±15.5
Week 7	Day 7	265.3±16.7	269.0±18.0	261.4±14.8	269.0±20.9	269.4±15.4
Week 8	Day 7	270.2±17.0	277.5±20.5	268.1±19.6	273.8±21.7	274.7±15.0
Week 9	Day 7	278.1±17.3	284.3±21.3	273.3±22.9	283.4±26.1	280.4±17.6
Week 10	Day 7	287.5±17.0	289.7±23.8	282.9±23.3	291.8±24.1	285.1±19.8
Week 11	Day 7	294.4±17.6	300.2±20.9	288.1±23.7	298.9±29.8	293.2±15.7
Week 12	Day 7	295.5±16.2	302.4±22.1	290.1±20.8	300.4±30.9	296.5±15.8
Week 13	Day 7	301.5±19.1	306.9±24.3	291.0±23.8	301.5±30.0	295.3±15.7

Values are mean ± S.D. and $n = 11$. Significance versus vehicle control: * $p < 0.05$.