

Supplementary Materials

Table S1 Comparison of the 50% PWT between each intensity groups

Group	<i>P</i> Value			
	20% MT (7)	40% MT (7)	60% MT (6)	80% MT (7)
20% MT (7)				
40% MT (7)	0.998			
60% MT (6)	0.187	0.095		
80% MT (7)	< 0.001***	< 0.001***	0.021**	

Table S2 Comparison of 50% PWT between different frequency groups

Group	<i>P</i> Value				
	2 Hz (7)	15 Hz (11)	50 Hz (10)	100 Hz (9)	10 kHz (9)
2 Hz (7)					
15 Hz (11)	0.976				
50 Hz (10)	> 0.999	0.895			
100 Hz (9)	0.999	0.803	> 0.999		
10 kHz (9)	> 0.999	0.914	> 0.999	> 0.999	
2/100 Hz (8)	> 0.999	0.970	> 0.999	0.999	> 0.999

Table S3 Comparison of 50% PWT between each frequency group in 24-h SCS

Group	<i>P</i> Value		
	2 Hz (7)	50 Hz (10)	100 Hz (9)
2 Hz (7)			
50 Hz (10)	0.871		
100 Hz (9)	0.997	0.970	
10 kHz (9)	0.911	> 0.999	0.984

Table S4 Comparison of 50% PWT between Pre- and Dur-SCS in 2-Hz SCS

	Group	Mean _(Pre) ± SE (g)	Mean _(Dur) ± SE (g)	<i>P</i> value
CTOP	SCS + Veh	4.22 ± 0.38	9.25 ± 1.67	< 0.001
	SCS + CTOP 3 µg	3.28 ± 0.29	6.24 ± 1.28	0.014
	SCS + CTOP 10 µg	3.96 ± 0.84	4.25 ± 0.81	0.948
NTI	SCS + Veh	4.33 ± 0.36	7.06 ± 0.73	0.003
	SCS + NTI 3 mg/kg	3.48 ± 0.48	8.44 ± 1.61	< 0.001
	SCS + NTI 10 mg/kg	3.87 ± 0.44	8.82 ± 1.70	< 0.001
NOR-BNI	SCS + Veh	3.55 ± 0.40	9.38 ± 1.54	< 0.001
	SCS + Nor-BNI 5.74 µg	3.91 ± 0.55	7.18 ± 1.25	0.001
	SCS + Nor-BNI 22.96 µg	3.38 ± 0.37	3.57 ± 0.34	0.948

Table S5 Comparison of 50% PWT in Dur-SCS between groups in 2-Hz SCS

	Group	Mean _(Dur) ± SE (g)	<i>P</i> value
CTOP	Naive vs SCS	10.82 ± 0.64 vs 9.25 ± 1.67	0.450
	No-SCS vs SCS	5.15 ± 0.34 vs 9.25 ± 1.67	0.001
	SCS vs SCS + CTOP 3 µg	9.25 ± 1.67 vs 6.24 ± 1.28	0.042
	SCS vs SCS + CTOP 10 µg	9.25 ± 1.67 vs 4.25 ± 0.81	< 0.001
NTI	Naive vs SCS	12.44 ± 0.64 vs 7.06 ± 0.73	< 0.001
	No-SCS vs SCS	4.38 ± 0.41 vs 7.06 ± 0.73	0.999
	SCS vs SCS + NTI 3 mg/kg	7.06 ± 0.73 vs 8.44 ± 1.61	0.949
	SCS vs SCS + NTI 10 mg/kg	7.06 ± 0.73 vs 8.82 ± 1.70	0.614
Nor-BNI	Naive vs SCS	12.99 ± 0.50 vs 9.38 ± 1.54	0.001
	No-SCS vs SCS	3.28 ± 0.25 vs 9.38 ± 1.54	< 0.001
	SCS vs SCS + Nor-BNI 5.74 µg	9.38 ± 1.54 vs 7.18 ± 1.25	0.114
	SCS vs SCS + Nor-BNI 22.96 µg	9.38 ± 1.54 vs 3.57 ± 0.34	< 0.001

Table S6 Comparison of 50% PWT between Pre- and Dur-SCS in 100-Hz SCS

	Group	Mean _(Pre) ± SE (g)	Mean _(Dur) ± SE (g)	<i>P</i> value
CTOP	SCS + Veh	4.08 ± 0.41	7.81 ± 1.40	0.002
	SCS + CTOP 10 µg	3.39 ± 0.58	10.17 ± 1.74	< 0.001
	SCS + CTOP 30 µg	2.79 ± 0.62	6.14 ± 1.42	0.003
NTI	SCS + Veh	3.85 ± 0.54	9.90 ± 1.42	< 0.001
	SCS + NTI 3 mg/kg	3.21 ± 0.09	6.79 ± 1.31	0.002
	SCS + NTI 10 mg/kg	3.24 ± 0.23	8.60 ± 1.73	< 0.001
Nor-BNI	SCS + Veh	3.43 ± 0.49	8.73 ± 2.67	< 0.001
	SCS + Nor-BNI 5.74 µg	2.64 ± 0.50	5.81 ± 1.43	0.002
	SCS + Nor-BNI 22.96 µg	3.39 ± 0.58	2.81 ± 0.69	0.807

Table S7 Comparison of 50% PWT in Dur-SCS between groups in 100-Hz SCS

Group		Mean _(Dur) ± SE (g)	<i>P</i> value
CTOP	Naive vs SCS	11.14 ± 0.90 vs 7.81 ± 1.40	0.051
	No-SCS vs SCS	4.31 ± 0.34 vs 7.81 ± 1.40	0.045
	SCS vs SCS + CTOP 3 µg	7.81 ± 1.40 vs 10.17 ± 1.74	0.244
	SCS vs SCS + CTOP 10 µg	7.81 ± 1.40 vs 6.14 ± 1.42	0.515
NTI	Naive vs SCS	12.57 ± 0.82 vs 9.90 ± 1.42	0.066
	No-SCS vs SCS	4.57 ± 0.51 vs 9.90 ± 1.42	< 0.001
	SCS vs SCS + NTI 3 mg/kg	9.90 ± 1.42 vs 7.19 ± 1.53	0.116
Nor-BNI	SCS vs SCS + NTI 10 mg/kg	9.90 ± 1.42 vs 8.60 ± 1.73	0.652
	Naive vs SCS	12.71 ± 0.92 vs 8.73 ± 2.67	0.034
	No-SCS vs SCS	2.73 ± 0.36 vs 8.73 ± 2.67	< 0.001
	SCS vs SCS + Nor-BNI 5.74 µg	8.73 ± 2.67 vs 5.81 ± 1.43	0.102
	SCS vs SCS + Nor-BNI 22.96 µg	8.73 ± 2.67 vs 2.81 ± 0.69	< 0.001

Table S8 Comparison of 50% PWT between Pre- and Dur-SCS in 10-kHz SCS

Group		Mean _(Pre) ± SE (g)	Mean _(Dur) ± SE (g)	<i>P</i> value
CTOP	SCS + Veh	4.13 ± 0.22	8.45 ± 0.16	< 0.001
	SCS + CTOP 10 µg	3.19 ± 0.36	5.46 ± 1.22	0.027
	SCS + CTOP 30 µg	3.27 ± 0.42	3.85 ± 1.18	0.777
NTI	SCS + Veh	3.91 ± 0.27	9.43 ± 1.47	< 0.001
	SCS + NTI 3 mg/kg	2.92 ± 0.61	7.29 ± 1.91	< 0.001
	SCS + NTI 10 mg/kg	2.82 ± 0.54	4.97 ± 1.41	0.077
Nor-BNI	SCS + Veh	3.23 ± 0.35	8.30 ± 2.10	< 0.001
	SCS + Nor-BNI 5.74 µg	3.03 ± 0.79	5.19 ± 1.56	0.051
	SCS + Nor-BNI 22.96 µg	2.98 ± 0.32	3.55 ± 0.79	0.659

Table S9 Comparison of 50% PWT in Dur-SCS between groups in 10-kHz SCS

Group		Mean _(Dur) ± SE (g)	<i>P</i> value
CTOP	Naive vs SCS	11.95 ± 0.56 vs 8.45 ± 0.16	0.01
	No-SCS vs SCS	4.39 ± 0.20 vs 8.45 ± 0.16	< 0.001
	SCS vs SCS + CTOP 3 µg	8.45 ± 0.16 vs 5.46 ± 1.22	0.018
	SCS vs SCS + CTOP 10 µg	8.45 ± 0.16 vs 3.85 ± 1.18	< 0.001
NTI	Naive vs SCS	12.33 ± 0.85 vs 9.43 ± 1.47	0.066
	No-SCS vs SCS	4.06 ± 0.43 vs 9.43 ± 1.47	< 0.001
	SCS vs SCS + NTI 3 mg/kg	9.43 ± 1.47 vs 7.29 ± 1.91	0.274
Nor-BNI	SCS vs SCS + NTI 10 mg/kg	9.43 ± 1.47 vs 4.97 ± 1.41	0.004
	Naive vs SCS	12.95 ± 0.46 vs 8.30 ± 2.10	< 0.001
	No-SCS vs SCS	3.25 ± 0.35 vs 8.30 ± 2.10	< 0.001
	SCS vs SCS + Nor-BNI 5.74 µg	8.30 ± 2.10 vs 5.19 ± 1.56	0.055
	SCS vs SCS + Nor-BNI 22.96 µg	8.30 ± 2.10 vs 3.55 ± 0.79	< 0.001