

Supplementary Table 1. Reporting statistical results

Behavior Task / Comparable	Figure	n	Mean																Statistics (variables)	Main Effect or Interaction	F Value	P value	Post-hoc Testing Between Treatment Groups		
			Wk 0	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15						Wk 16	
Body Weight (g)	1B	Vehicle: 8 CNO: 8 C21: 8 / 7*	31.95	31.89	31.95	32.11	31.98	32.63	33.5	33	32.74	33.64	34.6	35.33	36.14	36.08	36.84	37.48	37.51	Mixed Mesaure Analysis	Week x Treatment Weeks Treatment	F (32, 326) = 0.6287	0.9438	N/A	
			29.43	29.68	29.88	28.18	29.79	30.44	30.93	30.26	30.53	31.13	31.88	32.63	33.31	33.68	34.08	33.7	33.9						
			30.39	30.43	30.61	31.18	31.34	31.79	32.48	31.27*	31.92*	33.01*	34.19*	34.19*	34.39*	34.97*	35.22*	35.38*	35.81*						
			# of Beam Breaks																						
Locomotion Total Beam Break Post-Injection	2A	Vehicle: 8 CNO: 8 C21: 8	359.9																	One-Way ANOVA	Treatment	F (2, 21) = 2.900	0.0772	N/A	
			459.5																						
			443.8																						
			# @ 5-min # @ 10-min # @ 15-min # @ 20-min # @ 25--min # @ 30-min																						
Locomotion Beam Breaks over Time Post-Injection	2B	Vehicle: 8 CNO: 8 C21: 8	78.63	68.38			58.5			54			55.38			28.5			RM Two- Way ANOVA	Time x Treat Time Treatment Subject	F (10, 105) = 1.793	0.0706	N/A		
			115.4	81.88			68.25			59.38			59.88			57.75									
			107.6	75.75			70.75			65.25			60.5			49.63									
			# of Beam Breaks																						
Locomotion Total Beam Break No Injection	2C	Vehicle: 8 CNO: 8 C21: 8	205.5																	One-Way ANOVA	Treatment	F (2, 21) = 0.7004	0.5076	N/A	
			233.6																						
			255.6																						
			# @ 5-min # @ 10-min # @ 15-min # @ 20-min # @ 25--min # @ 30-min																						
Locomotion Beam Breaks over Time No Injection	2D	Vehicle: 8 CNO: 8 C21: 8	53	37.63			32.88			29.13			33.75			19.13			RM Two- Way ANOVA	Time x Treat Time Treatment Subject	F (10, 105) = 1.380	0.1995	N/A		
			52	39.63			35.38			40.5			30.5			35.63									
			63.63	55.13			44.5			36.13			30			26.25									
			Centimeters																						
Open Field Test Distance	3A	Vehicle: 8 CNO: 8 C21: 8	1833																	One-Way ANOVA	Treatment	F (2, 21) = 0.5440	0.5884	N/A	
			2128																						
			1993																						
			# of Entries																						
Open Field Test Entries to Center Zone	3B	Vehicle: 8 CNO: 8 C21: 8	8.875																	One-Way ANOVA	Treatment	F (2, 21) = 3.636	0.0441	Bonferroni All comparisons between treatments p>0.05	
			15.63																						
			9.5																						
			Seconds																						
Open Field Test Duration in Center Zone	3C	Vehicle: 8 CNO: 8 C21: 8	7.915																	One-Way ANOVA	Treatment	F (2, 21) = 3.308	0.0564	N/A	
			20.29																						
			11.98																						
			Centimeters																						
Elevated Plus Maze Distance	3D	Vehicle: 8 CNO: 8 C21: 8	1111																	One-Way ANOVA	Treatment	F (2, 21) = 0.3409	0.715	N/A	
			1189																						
			1212																						
			# of Entries																						
Elevated Plus Maze Entries to Open Arms	3E	Vehicle: 8 CNO: 8 C21: 8	7.375																	One-Way ANOVA	Treatment	F (2, 21) = 0.9192	0.4143	N/A	
			11.25																						
			11.13																						
			Seconds																						
Elevated Plus Maze Duration in Open Arms	3F	Vehicle: 8 CNO: 8 C21: 8	37.1																	One-Way ANOVA	Treatment	F (2, 21) = 1.235	0.3112	N/A	
			45.44																						
			52.37																						
			cm @ 30-min cm @ 60-min cm @ 90-min cm @ 120-min cm @ 150-min cm @ 180-min cm @ 210-min cm @ 240-min																						
Activity Monitoring Ambulatory Distance	4A	Vehicle: 8 CNO: 8 C21: 7	2900	1578	1234	191.6	610	262.8	175.8	81.29											Mixed Mesaure Analysis	Time x Treat Time Treatment Subject	F (14, 140) = 0.5073	0.5073	N/A
			3160	2022	1381	1131	455	722.5	774.8	422															
			3129	1702	778.9	256.6	254	120.7	148.6	153.7															
			Sec @ 30-min Sec @ 60-min Sec @ 90-min Sec @ 120-min Sec @ 150-min Sec @ 180-min Sec @ 210-min Sec @ 240-min																						
Activity Monitoring Ambulatory Duration	4B	Vehicle: 8 CNO: 8 C21: 7	144.9	88.02	62.54	49.96	18.95	30.17	31.98	17.44											Mixed Mesaure Analysis	Time x Treat Time Treatment Subject	F (14, 140) = 1.013	0.444	N/A
			137.1	76.93	58.09	9.913	30.36	12.34	7.65	3.769															
			147.6	81.43	36.11	11.81	11.99	5.864	7.914	7.814															
			# @ 30-min # @ 60-min # @ 90-min # @ 120-min # @ 150-min # @ 180-min # @ 210-min # @ 240-min																						
Activity Monitoring Movement Events	4C	Vehicle: 8 CNO: 8 C21: 7	2319	1410	960.9	753.5	285	449.8	536.6	294.8											Mixed Mesaure Analysis	Time x Treat Time Treatment Subject	F (14, 140) = 0.8441	0.6205	N/A
			2193	1153	887.9	129.8	468.1	179	127.9	54.37															
			2381	1245	550.3	171	171.1	76.43	100.9	101.7															
			Number of Jumps																						
Activity Monitoring Jumps	4D	Vehicle: 8 CNO: 8 C21: 7	115																	One-Way ANOVA	Treatment	F (2, 20) = 0.5659	0.5767	N/A	
			72.38																						
			121.3																						
			% Marbles Buried																						
Marble Burying % Marbles Buried	5A	Vehicle: 8 CNO: 8 C21: 7	22.5																	One-Way ANOVA	Treatment	F (2, 20) = 0.09887	0.9063	N/A	
			18.75																						
			22.86																						
			% of Total Time																						
Sucrose Splash Grooming Time	5B	Vehicle: 5 CNO: 8 C21: 7	42.72																	One-Way ANOVA	Treatment	F (2, 17) = 1.878	0.1833	N/A	
			65.71																						
			67.03																						
			Seconds																						
Sucrose Splash Latency to Groom	5C	Vehicle: 5 CNO: 8 C21: 7	9.426																	One-Way ANOVA	Treatment	F (2, 17) = 0.7017	0.5096	N/A	
			11.26																						
			5.927																						
			# of Events																						
Sucrose Splash Grooming Events	5D	Vehicle: 5 CNO: 8 C21: 7	113																	One-Way ANOVA	Treatment	F (2, 17) = 0.4806	0.6266	N/A	
			136.5																						
			158.4																						