

Table S1. Description of all analysis values of the study.

Analysis	Description of unit	Mean (Control)	SD (Control)	SEM (Control)	Mean (10 mg F/L)	SD (10 mg F/L)	SEM (10 mg F/L)	Mean (50 mg F/L)	SD (50 mg F/L)	SEM (50 mg F/L)	Power (1- β err prob)
ACAP	% of control	100	1.934	0.789	95.95	1.185	0.530	91.33	1.074	0.438	Control vs 10: 97.9% Control vs 50: 100% 10 vs 50: 100%
LPO	% of control	100	0.055	0.249	100.2	0.058	0.026	100.2	0.073	0.032	Control vs 10: 99.99% Control vs 50: 99.83% 10 vs 50: 1.07%
Purkinje cells density	Number per field	11.38	1.109	0.554	10.83	1	0.5	8.75	1.45	0.724	Control vs 10: 12.76% Control vs 50: 89.65% 10 vs 50: 75.2%
NeuN	Cells/mm ²	61.79	11.12	4.974	55.72	12.12	6.059	55.27	6.194	2.529	Control vs 10: 12.79% Control vs 50: 20.77% 10 vs 50: 1.84%
MBP	Area fraction (%)	14.27	2.128	1.064	13.37	1.938	0.969	10.01	1.104	0.551	Control vs 10: 10.3% Control vs 50: 97.8% 10 vs 50: 92.05%
SYP	Area Fraction (%)	9.816	2.492	1.246	10.15	1.724	0.862	8.973	2.102	1.214	Control vs 10: 3.72% Control vs 50: 8.20% 10 vs 50: 16.06%
Rearings	Number	2.556	1.236	0.412	2.8	1.643	0.734	0.5	0.940	0.251	Control vs 10: 7.46% Control vs 50: 100% 10 vs 50: 99.97%
Fall angle	°	51.25	5.825	2.059	46.67	5	1.667	42.33	3.2	0.826	Control vs 10: 76.06% Control vs 50: 100% 10 vs 50: 90.49%
Time for fall	Seconds	55	4.243	1.5	50	5.612	1.871	44.93	3.025	0.808	Control vs 10: 88.85% Control vs 50: 100% 10 vs 50: 94.48%

Table S1: Oxidative biochemistry assays (ACAP: Antioxidant Capacity Against Peroxyl Radicals and LPO: Lipid Peroxidation), Histological analysis (Purkinje cells density, Anti-NeuN, Anti-Myelin Basic Protein and Anti-Synaptophysin) and Behavior tests (Rearings and Inclined Plane [Fall angle and Time for fall]) values of the experimental study. Results are expressed as mean, SD: Standard deviation, SEM: Standard error of mean and Test Power (1- β error probability).