

Table S1. Behavioural comparison between Captisol® solution-treated and untreated SOD1-G93A mice

	SOD1-G93A + Captisol® solution (vehicle of AXX71)	SOD1-G93A + Captisol® solution (vehicle of AXX13)	SOD1-G93A
Onset (days)	121.3 ± 7.5	123 ± 4.06	122 ± 5.6
Survival (days)	169.6 ± 9.76	171.4 ± 13.3	172 ± 7.3

Table S2. Biochemical comparison between Captisol® solution-treated and untreated SOD1-G93A mice

	SOD1-G93A + Captisol® solution	SOD1-G93A
ARG1 (<i>RT-PCR</i>)	1.5 ± 0.8	1.4 ± 0.3
BDNF (<i>RT-PCR</i>)	0.8 ± 0.3	0.5 ± 0.3
CD68 (<i>WB</i>)	7 ± 0.8	5 ± 2
GFAP (<i>WB</i>)	5 ± 1.3	4.8 ± 0.8
gp91^{phox} (<i>WB</i>)	3 ± 0.2	4 ± 0.2
IL-1β (<i>RT-PCR</i>)	9 ± 0.3	9.5 ± 1.5
IL-10 (<i>RT-PCR</i>)	0.6 ± 0.4	0.4 ± 0.2
LC3B-II (<i>WB</i>)	2.1 ± 0.2	3 ± 0.4
Motor Neuron (<i>IHC</i>)	0.34 ± 0.056	0.33 ± 0.12
NOX2 (<i>RT-PCR</i>)	18 ± 0.05	16 ± 2
NF-κB (<i>WB</i>)	1.9 ± 0.25	2.2 ± 0.4
P2X7 (<i>WB</i>)	3 ± 0.8	2.4 ± 0.1
SQSTM1/p62 (<i>WB</i>)	1.7 ± 0.2	1.8 ± 0.5

The table lists the behavioural (Table S1) and biochemical (Table S2) parameters in Captisol® solution-treated *vs* untreated SOD1-G93A mice. In B values are represented as fold changes with respect to WT mice. Results for untreated SOD1-G93A mice derive from historical data collected in the laboratory. RT-PCR= real time-PCR; WB= western blot; IHC= immunohistochemistry.