Supplementary Materials: Neuroprotective and Anti-Apoptotic Effects of CSP-1103 in Primary Cortical Neurons Exposed to Oxygen and Glucose Deprivation

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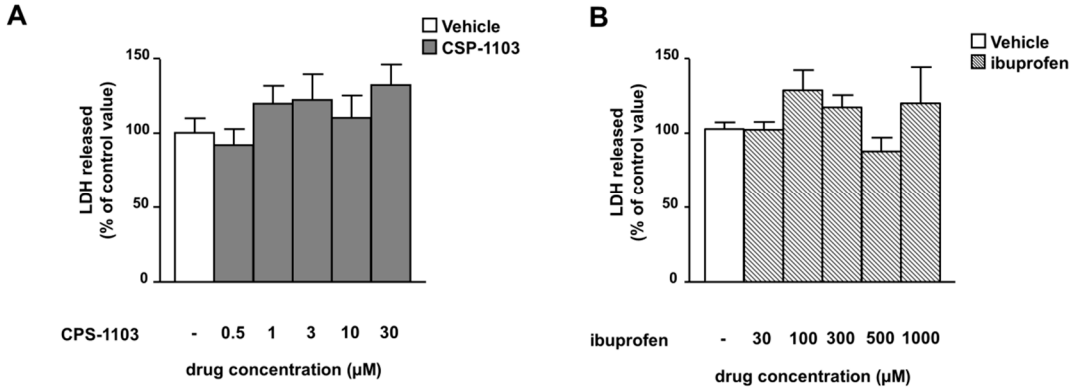

Figure S1. Absence of toxic effect of CSP-1103 and ibuprofen in naïve culture of cortical neurons. (**A**) Cortical neurons were exposed to different doses of CSP-1103 for 24 h and neuronal death was assessed by the lactate dehydrogenase (LDH) assay. None of the different doses of CSP-1103 increased the basal level of LDH release from neurons; (**B**) Lack of toxic effect of ibuprofen in control culture of cortical neurons. Different doses of ibuprofen were added for 24 h and the neuronal death was measured by the LDH assay. Values are expressed as a percentage of LDH released by naive cells. −, absence of treatment.

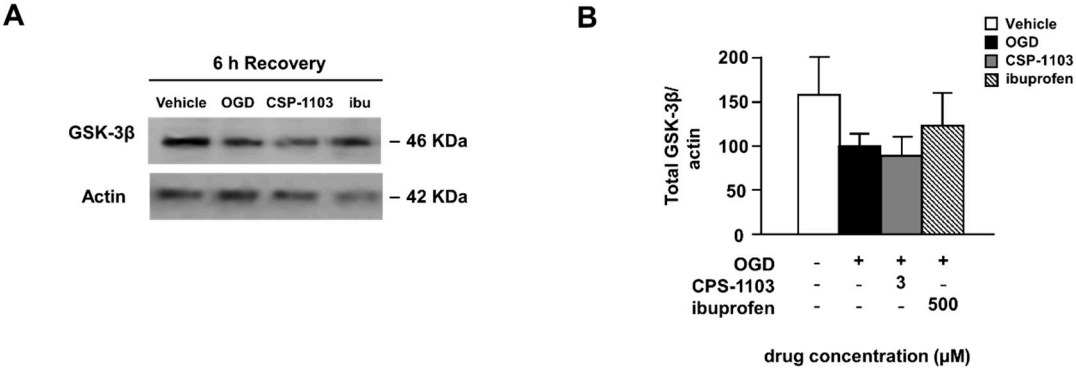

Figure S2. Effect of CSP-1103 and ibuprofen on glycogen synthase kinase-3β (GSK-3β) in cortical neurons exposed to oxygen glucose deprivation (OGD). (**A**) Representative western blot images of GSK-3β in the cytosolic extracts of neuronal cells after 6 h of recovery; (**B**) Densitometric analysis represents the ratio between GSK-3β and actin. Neither CSP-1103 nor ibuprofen affected the GSK-3β expression. Bars (mean ± SEM) represent the percentage of the GSK-3β/actin ratio, relative to the OGD value. +, presence of OGD; −, absence of OGD or treatment.