

Supplementary Materials: Antiseizure and Neuroprotective Efficacy of Midazolam in Comparison with Tezampanel (LY293558) against Soman-Induced Status Epilepticus

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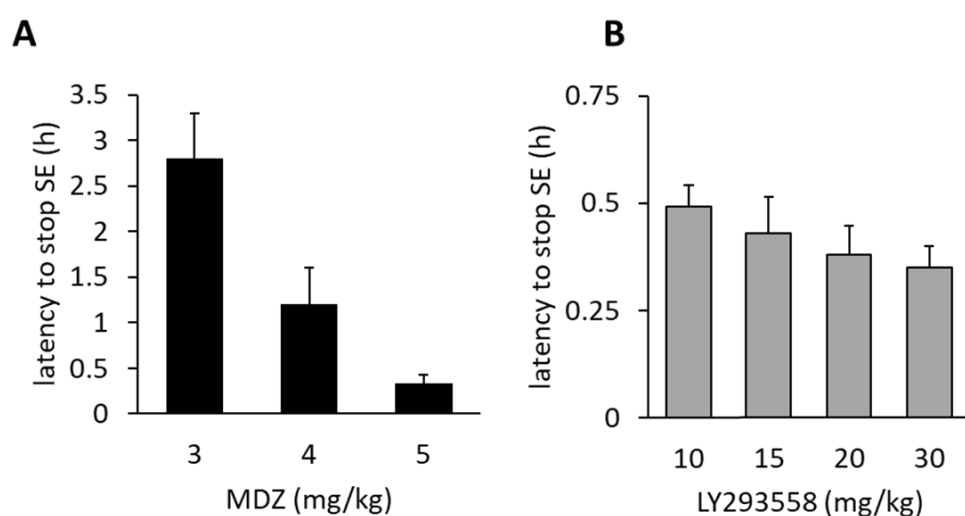


Figure S1. Dose-response graphs showing the time to cessation of SE after administration of different doses of midazolam (MDZ) or LY293558. The anticonvulsants were injected intramuscularly 1 h after exposure of young-adult male rats to soman (single subcutaneous injection of 132 μ g/kg, 1.2 X LD50). (A) Bars show the time it took for 3 mg/kg ($n = 8$), 4 mg/kg ($n = 8$) and 5 mg/kg ($n = 8$) of MDZ to stop the initial SE. (B) Bars show the time it took for 10 mg/kg ($n = 8$), 15 mg/kg ($n = 8$), 20 mg/kg ($n = 9$) and 30 mg/kg ($n = 10$) of LY293558 to stop the initial SE. In the present study, we used 5 mg/kg MDZ and 10 mg/kg LY293558, as both doses stopped SE in less than 30 min and produced 100% survival rate.