

In our study, we aimed to verify the anticonvulsant effect of selected ligands of metabotropic and ionotropic glutamate receptors in various models of epileptic seizures in three age groups of rat pups. We also examined the effect of one of the metabotropic glutamate receptor ligands used in our study on spontaneous EEG activity, and last but not least, its potential neurodegenerative effect.

Given that glutamate plays a significant role in epileptogenesis, recent efforts have focused on identifying suitable ligands affecting glutamate receptors as potential anticonvulsants.