INFLUENCE OF NEW $\gamma$-HYDROXYBUTYRIC ACID AMIDE ANALOGUES ON THE CENTRAL NERVOUS SYSTEM ACTIVITY IN MICE

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The present study investigates the activity of four $\gamma$-hydroxybutyric acid amide analogues (BM-68, BM-74, BM-75 and BM-76) in two models of chemically induced seizures, i.e. picrotoxin- and pentetrazole-induced seizures and in the thiopental-induced sleep test. The results of pharmacological in vivo experiments with the $\gamma$-hydroxybutyric acid amide analogues presented below show that the compounds possess variable influence on the central nervous system in mice.

Key words: Gamma-hydroxybutyric acid, picrotoxin, pentetrazole, thiopental-induced sleep, mice