

Effect of Herbal Medicinal Preparations Containing Ginseng on Learning and Memory in Kainate-Induced Seizures

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Abstract

Panax ginseng and the herbal medicinal mixtures containing ginseng have been widely used as a traditional medicinal prescriptions. In order to develop more efficient and protective prescriptions on seizures and subsequent memory deterioration, we investigated the biochemical and ethopharmacological effects of ginsenosides and fractions from the natural medicinal plant products related to control convulsions. In this studies we show results improving spatial learning and memory deficits induced by kainic acid, a potent neurotoxic and neuroexcitatory analogue of the amino acid neurotransmitter glutamate.