

The influence of some calcium channel blockers on some aspects of lorazepam addiction

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This work aimed to investigate experimentally, the potential usefulness of certain calcium channel blockers in

protecting against lorazepam dependence in mice. The results showed that the thalamus hypothalamus NE and

D contents induced by 24 hours lorazepam withdrawal in dependent mice were significantly reduced by flunarizine administration, D contents being similarly decreased in the cerebral cortex. Similar effects were obtained by flunarizine administration to the flumazenil treated lorazepam dependent mice, thus in addition to the previous effects, the NE contents of the medulla, pons and cerebellum were also significantly decreased. Flunarizine significantly inhibited lorazepam withdrawal symptoms induced either by 24 hours withdrawal of flumazenil treatment