

2 ABSTRACT

The aim of present work was a comparison of effectiveness of oximes chosen in the experimental therapy of nerve agents intoxication (soman and russian VX). All experiments were performed in male Wistar rats and in mice NMRI. All oximes tested were administered intramuscularly either in a separate injection or in combination with atropine. The preparation of the brain parts for determination of acetylcholinesterase was performed in several time intervals after drugs tested administration. Antidotal potency of oxime HI-6 was superior in comparison with the rest of oximes tested by soman and russian VX. The oxim obidoxime is the most effective oxim in the acute intoxication.