

---

---

# CONTENT

---

## REVIEWS

- Sytnik I., Khaitovych M.* The use of antioxidants in type I diabetes mellitus ..... 3

## CONTEMPORARY ASPECTS OF NEUROPHARMACOLOGY

- Gorbacheva S. V., Belenichev I. F., Kucherenko L. I.,* Glutathiondependent mechanisms of neuroprotective action of new metabolic drug «Angioline» underinduction of nitrosative stress *in vitro* ..... 12
- Deiko R. D., Shtrygol' S. Yu., Kolobov A. A., Bezditko N. V.* The neuroprotective and nootropic properties of new cyclic dipeptides ..... 19
- Nefedov O. O.* Neurotropic effects of antidepressants in condition of the experimental equivalent of multiple sclerosis ..... 28
- Sameluk Yu. G., Belenichev I. F., Abramov A. V., Bukhtiyarova N. V., Morguntsova S. A., Pavlov S. V., Kaplaushenko A. G.* Study of neuroprotective activity of propyl 2-(5-(3,4,5- trimethoxyphenyl)-1h-1,2,4-triazole-3-ylthio)acetimidate hydrochloride ..... 34

## WORKING OUT OF THE NEW METHODOLOGICAL WAYS

- Belenichev I. F., Lytvynenko E. S.* Effect of glutathione system modulators selenase and glutoxime on the energy metabolism of the brain in experimental stroke ..... 41
- Buhtiyarova I. P., Shchokina K. G., Drogovoz S. M., Ischenko A. M.* Antioxidant action of raleukin on the model of streptozotocine diabetes in rats ..... 47
- Grib V. V., Doroshenko E. N., Zaichko N. V., Stepanyuk N. G.* Comparative characteristics of the sodium salt of 4- (3-methyl-2-oxo-2H- [1,2,4] triazino [2,3-c] quinazolin -6-yl) butyric acid (compound DSK-38) and diclofenac effects on hematological parameters and safety in rats with adjuvant arthritis ..... 53
- Dryn D., Melnyk M., Kizub I., Zholos A., Soloviev A.* Interaction of TRPV4 and BK<sub>Ca</sub> channels in the regulation of vascular tone of rat pulmonary arteries ..... 58
- Dronova M. L., Suvorova Z. S.* Antimicrobial activity of the 1-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3-(N- benzyl hexamethyleneimino)-2-propanol chloride ..... 64
- Kutovyi I. M.* Attenuation of myocardial ischemia-reperfusion injury by imidazo[1,2-a]azepinium derivatives ..... 70
- Nizhenkovska I. V., Romanenko A. V., Sedko K. V., Grusha M. M., Brovarets V. S., Golovchenko A. V.* Studying of vasoactive properties of diethyl ester of 5-alkylamine-2-{N-[N-benzoyl-(4-methylbenzal) glyceryl] aminomethyl}- 1,3 - oxazole-4-yl phosphonic acid on rat's isolated aorta ..... 76
- Sevryukov A. V., Volkovoy V. A., Kolisnyk S. V., Sytnik K. M.* Determination of antiexudative activity of new derivatives 5,7-dihydro-1h-pyrrolo [2,3-d] pyrimidine ..... 84

## ISSUES OF PHARMACY, PHARMACEUTICAL MARKET, PHARMACOECONOMICS

- Kuznetsov I. E.* Pharmacoeconomic aspect of ketorolac usage for the pain syndrome relief at out-of-hospital conditions ..... 89