

Волчо Константин Петрович, доктор химических наук, специальность 02.00.03 – органическая химия, профессор РАН. Федеральное государственное бюджетное учреждение науки Новосибирский институт органической химии им. Н.Н. Ворожцова СО РАН, отдел медицинской химии, главный научный сотрудник.

Список основных публикаций по теме диссертации за последние 5 лет:

1. Ilyina I. V., Pavlova A. V., Filippova A. Yu., Patrusheva O. S., **Volcho K. P.**, Sidorenko A. Yu., Agabekov V. E., Tolstikova T. G., Salakhutdinov N. F. Synthesis and Analgesic Activity of New α -Pinene-Based Cineol-Like Methanopyrano[4,3-b]pyrans // Russian Journal of General Chemistry. 2026. Vol. 96. No. 2. pp. 1–15.
2. Ilyina I. V., Patrusheva O. S., **Volcho K. P.**, Gatilov Y. V., Nefedov A. A., Sidorenko A. Yu., Khalimonyuk T. V., Mumyatova V. A., Trigub M. M., Terentiev A. A., Agabekov V. E., Salakhutdinov N. F. Synthesis and cytotoxic activity of new α -pinene-based cineol-like compounds // Tetrahedron. 2025. Vol. 188. p. 134959.
3. Patrusheva O. S., Ilyina I. V., Salakhutdinov N. F., Dragomanova S. T., **Volcho K. P.** Synthesis of Heterocyclic Compounds with a Cineole Fragment in Reactions of α -Pinene-Derived Diol and Monoterpenoid Aldehydes // Compounds. 2025. Vol. 5. No. 3. p. 25.
4. Rogozin P. E., Suslov E. V., **Volcho K. P.**, Salakhutdinov N. F. Ureas and imidazolidine-2,4,5-triones containing 2-adamantyl fragment and residues of perillyl alcohol and myrtenol // Chemistry for Sustainable Development. 2025. Vol. 33. No. 5. pp. 587–591.
5. Rogozin P. E., Suslov E. V., Filippova A. Yu., Pavlova A. V., **Volcho K. P.**, Salakhutdinov N. F. Synthesis and Analgesic Activity of Ureas and Imidazolidine-2,4,5-trione Derivatives Containing Adamantane and Monoterpene Fragments // Russian Journal of General Chemistry. 2025. Vol. 95. No. 1. pp. 23–29.
6. Tsypyshev D. O., Klabukov A. M., Razgulaeva D. N., Galochkina A. V., Shtro A. A., Borisevich S. S., Khomenko T. M., **Volcho K. P.**, Komarova N. I., Salakhutdinov N. F. Design, synthesis and antiviral evaluation of triazole-linked 7-hydroxycoumarin-monoterpene conjugates as inhibitors of RSV replication // RSC Medicinal Chemistry. 2025. Vol. 16. No. 3. pp. 1151–1171.
7. Ilyina I. V., Patrusheva O. S., Goltsova V. V., Christopher K. M., Gatilov Y. V., Sidorenko A. Y., Agabekov V. E., Salakhutdinov N. F., Alabugin I. V., **Volcho K. P.** Unusual Cascade Reactions of 8-Acetoxy-6-hydroxymethyllimonene with Salicylic Aldehydes: Diverse Oxygen Heterocycles from Common Precursors // Journal of Organic Chemistry. 2024. Vol. 89. No. 16. pp. 11593–11606.

8. Podturkina A. V., Ardashov O. V., **Volcho K. P.**, Salakhutdinov N. F. A New Stereoselective Approach to the Substitution of Allyl Hydroxy Group in *para*-Mentha-1,2-diol in the Search for New Antiparkinsonian Agents // *Molecules*. 2023. Vol. 28. No. 21. p. 7303.
9. Li-Zhulanov N. S., Kuznetsova V. A., Gatilov Yu. V., **Volcho K. P.**, Khvostov M. V., Tolstikova T. G., Salakhutdinov N. F. Chiral N-(dialkyloctahydro-2H-chromen-4-yl)acetamides: synthesis and analgesic activity // *Russian Chemical Bulletin*. 2023. Vol. 72. No. 10. pp. 2430–2438.
10. Li-Zhulanov N. S., Nikolaichuk K. M., Gatilov Yu. V., **Volcho K. P.**, Khvostov M. V., Tolstikova T. G., Salakhutdinov N. F. Chiral *N*-(Octahydro-2*H*-chromen-4-yl)-2-(dialkylamino)acetamides: Synthesis and Analgesic Activity // *Doklady Chemistry*. 2023. Vol. 512. No. 1. pp. 32–38.
11. Mozhaitsev E. S., Suslov E. V., Rastrepava D. A., Yarovaya O. I., Borisevich S. S., Khamitov E. M., Kolybalov D. S., Arkhipov S. G., Bormotov N. I., Shishkina L. N., Serova O. A., Brunilin R. V., Vernigora A. A., Nawrozkiy M. B., Agafonov A. P., Maksyutov R. A., **Volcho K. P.**, Salakhutdinov N. F. Structure-Based Design, Synthesis, and Biological Evaluation of the Cage-Amide Derived Orthopox Virus Replication Inhibitors // *Viruses*. 2023. Vol. 15. No. 1. p. 0029.
12. Ilyina I. V., Korchagina D. V., Morozova E. A., Tolstikova T. G., **Volcho K. P.**, Salakhutdinov N. F. Synthesis and analgesic activity of alkyl-substituted octahydro-2*H*-chromenols // *Russian Chemical Bulletin*. 2022. Vol. 71. No. 11. pp. 2482–2488.
13. Li-Zhulanov N. S., Ilyina I. V., Sidorenko A. Y., Korchagina D. V., **Volcho K. P.**, Agabekov V. E., Salakhutdinov N. F. Cascade transformation of 4-hydroxymethyl-2-carene into novel cage methanopyrano[4,3-*b*]thieno[3,2-*g*]benzofuran derivative // *Mendeleev Communications*. 2022. Vol. 32. No. 4. pp. 443–445.
14. Suslov E. V., Ponomarev K. Y., **Volcho K. P.**, Salakhutdinov N. F. Azaadamantanes, a New Promising Scaffold for Medical Chemistry // *Russian Journal of Bioorganic Chemistry*. 2021. Vol. 47. No. 6. pp. 1133–1154.
15. Ilyina I. V., Patrusheva O. S., Zarubaev V. V., Misiurina M. A., Slita A. V., Esaulkova I. L., Korchagina D. V., Gatilov Yu. V., Borisevich S. S., **Volcho K. P.**, Salakhutdinov N. F. Influenza antiviral activity of F- and OH-containing isopulegol-derived octahydro-2*H*-chromenes // *Bioorganic & Medicinal Chemistry Letters*. 2021. Vol. 31. No. 127677. p. 1–6.