

Сведения о ведущей организации

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Список основных публикаций по теме диссертации за последние 5 лет

1. Tsvetkov V. B., Zatsepin T. S., Belyaev E. S., Kostyukevich Y. I., Shpakovski G. V., Podgorsky V. V., Pozmogova G. E., Varizhuk A. M., Aralov A. V. i-Clamp phenoxazine for the fine tuning of DNA i-motif stability // Nucleic Acids Res. – 2018. – V. 46. – N. 6. – P. 2751–2764.
2. Farzan V. M., Ulashchik E. A., MartynenkoMakaev Y. V., Kvach M. V., Aparin I. O., Brylev V. A., Prikazchikova T. A., Maklakova S. Y., Majouga A. G., Ustinov A. V., Shipulin G. A., Shmanai V. V., Korshun V. A., Zatsepin T. S. Automated solid-phase click synthesis of oligonucleotide conjugates: from small molecules to diverse N-acetylgalactosamine clusters // Bioconjug. Chem. – 2017. – V. 28. – N. 10. – P. 2599–2607.
3. Aparin I. O., Proskurin G. V., Golovin A. V., Ustinov A. V., Formanovsky A. A., Zatsepin T. S., Korshun V. A. Fine tuning of pyrene excimer fluorescence in molecular beacons by alteration of the monomer structure // J. Org. Chem. – 2017. – V. 82. – N. 19. – P. 10015–10024.
4. Ponomarenko A. I., Brylev V. A., Nozhevnikova E. V., Korshun V. A. Recent advances in self-assembled fluorescent DNA structures and probes // Curr. Top. Med. Chem. – 2015. – V. 15. – N. 13. – P. 1162–78.
5. Varizhuk A. M., Zatsepin T. S., Golovin A. V., Belyaev E. S., Kostyukevich Y. I., Dedkov V. G., Shipulin G. A., Shpakovski G. V., Aralov A. V. Synthesis of oligonucleotides containing novel G-clamp analogue with C8-tethered group in phenoxazine ring: Implication to qPCR detection of the low-copy Kemerovo virus dsRNA // Bioorg. Med. Chem. – 2017. – V. 25. – N. 14. – P. 3597–3605.
6. Fomich M. A., Kvach M. V., Navakouski M. J., Weise C., Baranovsky A. V., Korshun V. A., Shmanai V. V. Azide phosphoramidite in direct synthesis of azide-modified oligonucleotides // Org. Lett. – 2015. – V. 16. – N. 17. – P. 4590–4593.

7. Ryazantsev D. Y., Kvach M. V., Tsybulsky D. A., Prokhorenko I. A., Stepanova I. A., Martynenko Y. V., Gontarev S. V., Shmanai V. V., Zavriev S. K., Korshun V. A. Design of molecular beacons: 3' couple quenchers improve fluorogenic properties of a probe in real-time PCR assay // Analyst. – 2014. – V. 139. – N. 11. – P. 2867–2872.
8. Astakhova I. K., SanthoshKumar T., Campbell M. A., Ustinov A. V., Korshun V. A., Wengel J. Branched DNA nanostructures efficiently stabilised and monitored by novel pyrene-perylene 2'- α -l-amino-LNA FRET pairs // Chem. Commun. (Camb.) – 2013. – V. 49. – N. 5. – P. 511–513.
9. Kavanagh P., Grigoryev A., Savchuk S., Mikhura I., Formanovsky A. UR-144 in products sold via the Internet: identification of related compounds and characterization of pyrolysis products // Drug Testing and Analysis. – 2013. – V. 5. – N. 8. – P. 683–692.
10. Colpitts C. C., Ustinov A. V., Epand R. F., Epand R. M., Korshun V. A., Schang L. M. 5-(Perylen-3-yl)ethynyl-arabino-uridine (aUY11), an arabino-based rigid amphipathic fusion inhibitor, targets virion envelope lipids to inhibit fusion of influenza virus, hepatitis C virus, and other enveloped viruses // J. Virol. – 2013. – V. 87. – N. 7. – P. 3640–3654.
11. Osterman I. A., Ustinov A. V., Evdokimov D. V., Korshun V. A., Sergiev P. V., Serebryakova M. V., Demina I. A., Galyamina M. A., Govorun V. M., Dontsova O. A. A nascent proteome study combining click chemistry with 2DE // Proteomics. – 2013. – V. 13. – N. 1. – P. 17–21.