Сведения об официальном оппоненте

Устинов Алексей Викторович, кандидат химических наук, специальность 02.00.10 – биоорганическая химия, н.с., Федеральное государственное бюджетное учреждение науки Институт биоорганической химии им. академиков М.М. Шемякина и Ю.А. Овчинникова РАН, г. Москва

Список основных публикаций по теме диссертации за последние 5 лет:

1. Chistov A.A., Ivanov N.M., Kutyakov S.V., Ustinov A.V., Glybin A.V., Streshnev P.P., Mikhura I.V., Korshun V.A. Fluorescent nucleosides with an elongated rigid linker: attaching perylene to a nucleobase via a one-pot desilylation/Sonogashira reaction // Tetrahedron Lett. – 2016. – V.57. – N.43. – P.4821-4823. DOI: 10.1016/j.tetlet.2016.09.050

2. Topolyan A.P., Strizhevskaya D.A., Belyaeva M.A., Brylev V.A., Ustinov A.V., Formanovsky A.A., Korshun V.A. A triphenylcyclopropenylium mass tag: Synthesis and application to ultrasensitive LC/MS analysis of amines // Analyst. 2016. V.141. N.11. P.3289-3295. DOI: 10.1039/c5an02642c

3. Ponomarenko, A.I., Brylev, V.A., Sapozhnikova, K.A., Ustinov, A.V., Prokhorenko, I.A., Zatsepin, T.S., Korshun, V.A. Tetrahedral DNA conjugates from pentaerythritol-based polyazides // Tetrahedron. V.72. N.19. P.2386-2391. DOI: 10.1016/j.tet.2016.03.051

4. Chistov, A.A., Kutyakov, S.V., Ustinov, A.V., Aparin, I.O., Glybin, A.V., Mikhura, I.V., Korshun, V.A. 2-Ethynylperylene and improved synthesis of 3-ethynylperylene // Tetrahedron Lett. 2016. V.57. N.9. P.1003-1005. DOI: 10.1016/j.tetlet.2016.01.067

5. Orlov, A.A., Chistov, A.A., Kozlovskaya, L.I., Ustinov, A.V., Korshun, V.A., Karganova, G.G., Osolodkin, D.I. Rigid amphipathic nucleosides suppress reproduction of the tick-borne encephalitis virus // MedChemComm. 2016. V.7. N.3. P.495-499. DOI: 10.1039/c5md00538h

6. Aparin, I.O., Farzan, V.M., Veselova, O.A., Chistov, A.A., Podkolzin, A.T., Ustinov, A.V., Shipulin, G.A., Formanovsky, A.A., Korshun, V.A., Zatsepin, T.S. 1-Phenylethynylpyrene (PEPy) as a novel blue-emitting dye for qPCR assay //

Analyst. 2016. V.141. N.4. P.1331-1338. DOI: 10.1039/c5an01767j

7. Topolyan, A.P., Belyaeva, M.A., Bykov, E.E., Coodan, P.V., Rogozhin, E.A., Strizhevskaya, D.A., Ivanova, O.M., Ustinov, A.V., Mikhura, I.V., Prokhorenko, I.A., Korshun, V.A., Formanovsky, A.A. Derivatization of aminoglycoside antibiotics with tris(2,6-dimethoxyphenyl)carbenium Ion // Acta Naturae. 2016. V.8. N.3. P.128-135.

8. Astakhova, I.K., Santhosh Kumar, 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. Comm. 2013. V.49. N.5. P.511-513. DOI: 10.1039/c2cc37547h

9. 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. DOI: 10.1002/pmic.201200393