

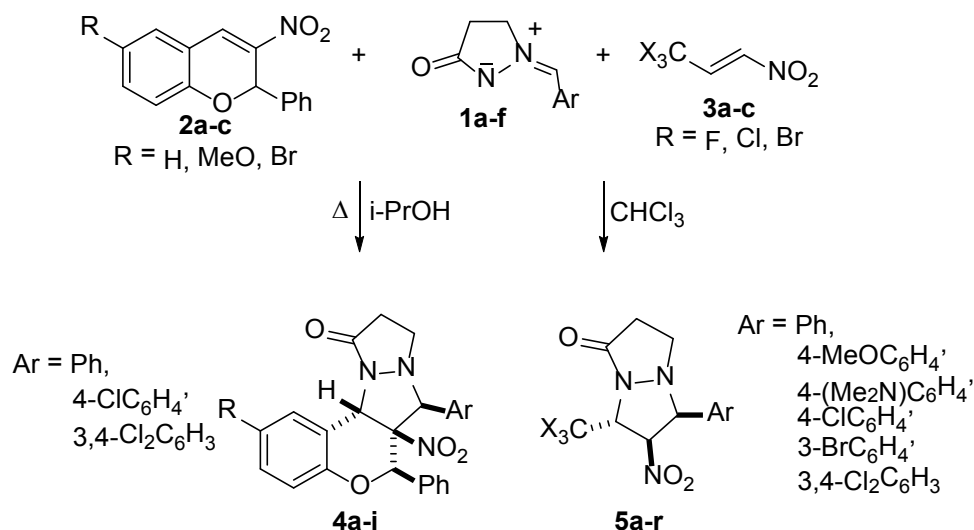
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Conjugated nitroalkenes in reactions with azomethine imines: Synthesis of tetrahydropyrazolo[1,2-*a*]pyrazolone derivativesNikolay S. Zimnitskiy, Vladislav Yu. Korotaev, Igor B. Kutyashev, Alexey Yu. Barkov and Vyacheslav Ya. Sosnovskikh
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Reaction of (*Z*)-2-arylidene-5-oxopyrazolidin-2-ium-1-ides **1** with 3-nitro-2-phenyl-2H-chromenes **2** and conjugated (*E*)-nitropropenes **3** proceed effectively as [3+2] cycloaddition to give products **4** and **5** as single regio- and diastereomers with good yields. The products obtained are of interest due to their potential biological activity. Study of cytotoxicity of the described tetrahydropyrazolo[1,2-*a*]pyrazolone derivatives is in process.



Biography

Zimnitskiy N. S. has graduated from the Ural Federal University in 2015 and since then has been working there as a post-graduate student and the junior researcher. As a member of the research group led by prof. Sosnovskikh, he has 3 papers published in peer-reviewed journal within the last year on the topics of unsaturated nitro compounds, heterocyclic compounds and fluoroorganic chemistry.

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