

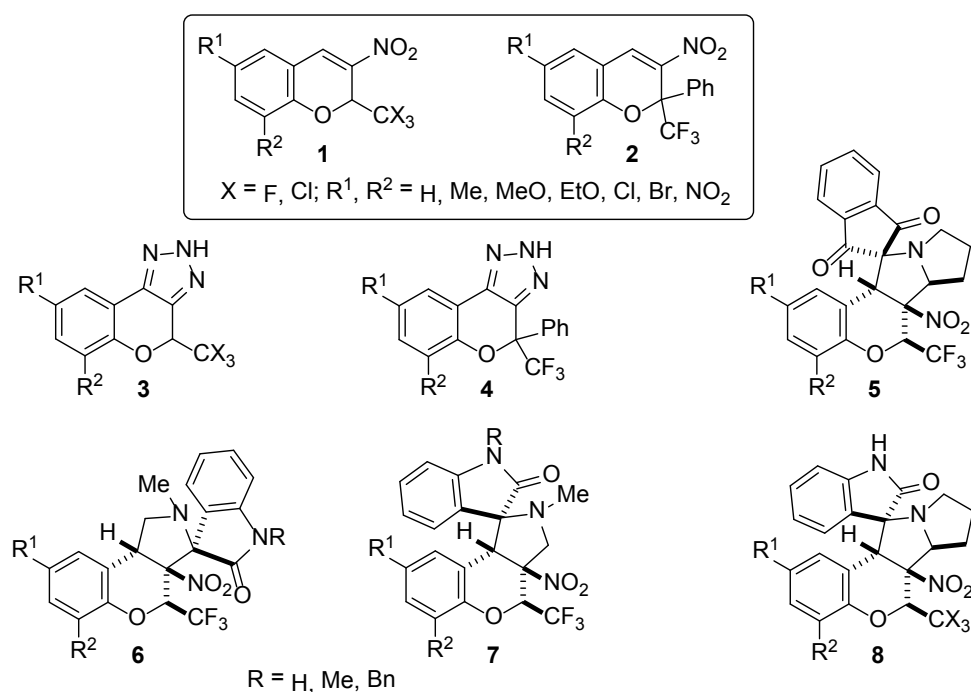
2<sup>nd</sup> International Conference on

## PHARMACEUTICAL CHEMISTRY

October 02-04, 2017 Barcelona, Spain

3-Nitro-2-(trihalomethyl)-2H-chromenes in Reactions with 1,3-Dipoles: Synthesis and Cytotoxic Activity of  $\Delta^3$ -Annulated Chromane DerivativesVladislav Yu Korotaev, Nikolay S Zimnitskiy, Igor B Kutyashev, Alexey Yu Barkov and Vyacheslav Ya Sosnovskikh  
Ural Federal University, Russia

The [3+2] cycloaddition of sodium azide and stabilized azomethine ylides to 3-nitro-2-(trihalomethyl)-2H-chromenes 1 and 2 was studied and cycloadducts 3-8 were synthesized.



The cytotoxic activity of  $\Delta^3$ -annulated chromane derivatives is discussed.

## Biography

Korotaev V Yu graduated from the Ural State University in 1993 and has completed his PhD in 1998. Currently he works at the Department of Organic Chemistry of the Ural Federal University as a senior researcher. He has published more than 65 papers in peer-reviewed journals. His area of scientific interests includes unsaturated nitro compounds, heterocyclic compounds and fluoroorganic chemistry.

korotaev.vladislav@urfu.ru

## Notes: