

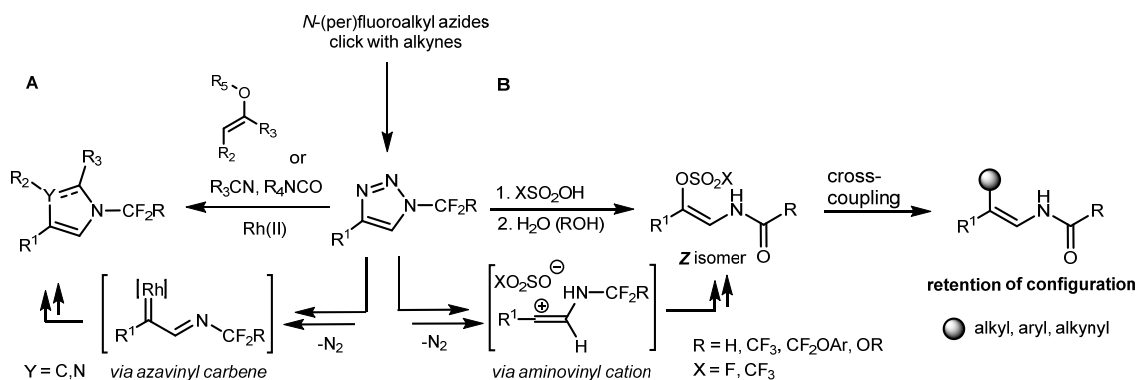
# N-FLUOROALKYL-1,2,3-TRIAZOLES: EASILY AVAILABLE COMPOUNDS WITH HIGH SYNTHETIC POTENTIAL

Athanasios Markos<sup>a,b</sup>, Vladimir Motornov<sup>a</sup>, Svatava Voltrová<sup>a</sup> and Petr Beier<sup>a</sup>

<sup>a</sup>Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Flemingovo nám. 2, CZ-166 10 Prague 6, Czech Republic, beier@uochb.cas.cz

<sup>b</sup>Department of Organic Chemistry, Faculty of Science, Charles University, Hlavova 2030/8, CZ-128 43 Prague 2, Czech Republic

*N*-Fluoroalkyl triazoles, easily available heterocycles *via* copper(I)-catalyzed azide-alkyne cycloaddition (CuAAC) of safe and stable *N*-fluoroalkyl azides and alkynes [1,2], are building blocks with a great synthetic potential. Recently, we have reported that *N*-fluoroalkyl triazoles undergo rhodium-catalyzed transannulations to afford previously unreported *N*-fluoroalkyl heterocycles such as pyrroles, pyrrolones, imidazoles and imidazolones (Scheme A) [3]. This year, we have described a stereoselective and metal free transformation of *N*-fluoroalkyl triazoles to (*Z*)- $\beta$ -enamido triflates and fluorosulfonates in presence of trifluoromethanesulfonic or fluorosulfonic acid, respectively. Acid-mediated transformation of *N*-fluoroalkyl triazoles proceeds in comparison to Rh-catalyzed reactions *via* aminovinyl cation. The vinyl triflates are stable solids and undergo cross-coupling reactions to a variety of substituted enamides (Scheme B). In reactions with triflic acid, electron-rich triazoles afforded 2-fluoroalkylated oxazoles [4].



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