Ferenc Béke

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Education:

2021- PhD candidate, Eotvos Lorand University, Budapest
2016-2021 PhD student in Chemistry, Eotvos Lorand University, Budapest
2013-2016 Chemist MSc, Synthetic organic chemist speciation at the University of Debrecen
2009-2013 Chemistry BSc at the University of Debrecen

Experience in Industry:

2015 Intern at Global Discovery Chemistry, NIBR, Novartis AG, Basel, Switzerland (7 months)

During my Bachelor and Master studies, I have worked on SAR studies of a potent allosteric inhibitor of glycogene phosphorylase, under supervision of László Juhász. While I was attending to Chemist MSc at University of Debrecen, I have obtained an internship position at Novartis. Under supervision of Robert Martin Grotzfeld and Alexey Karpov, I have broadened the enventory of unsymmetrical disulfide linkers, in the development of antibody-drug conjugates. After completing my Master studies, I have joined the group of Prof. Zoltán Novák for pursuing PhD in synthetic organic chemistry.

Publications:

1) Structure–Activity Relationships of Glycogen Phosphorylase Inhibitor FR258900 and Its Analogues: A Combined Synthetic, Enzyme Kinetics, and Computational Study, L. Juhász, L., Varga, G., Sztankovics, A., Béke, F., Docsa, T., Kiss-Szikszai, A., Gergely, P., Kóňa, J., Tvaroška, I. L. Somsák, L., *ChemPlusChem*, **2014**, *79*, 1558–1568.
2) Erythrosine B catalyzed visible-light photoredox arylation-cyclization of *N*-alkyl-*N*-aryl-2-(trifluoromethyl)acrylamides to 3-(trifluoromethyl)indolin-2-one derivatives, Zs. Gonda, F. Béke, O. Tischler, M. Petró, Z. Novák, B. L. Tóth, *Eur. J. Org. Chem*. 2017, *15*, 2112-2117.
3) Synthesis of Multifunctional Aryl(trifloxyalkenyl)iodonium Triflate Salts, B. L. Tóth, F. Béke, O. Egyed, A. Bényei, A. Stirling, Z. Novák, *ACS Omega* **2019**, *45*, 9188-9197.
4) Microstructural Investigation of Nanocrystalline Hydrogen-Storing Mg-Titanate Nanotube Composites Processed by High-Pressure Torsion, M. Gajdics, T. Spassov, V. Kovács Kis, F. Béke, Z. Novák, E. Schafler, Á. Révész, *Energies* **2020**, *13*, 563.
5) Glycogen phosphorylase inhibitor, 2,3-bis[(2E)-3-(4-hydroxyphenyl)prop-2-enamido] butanedioic acid (BF142), improves baseline insulin secretion of MIN6 insulinoma cells, L. Nagy, F. Béke, L. Juhász, T. Kovács, É. Juhász-Tóth,T. Docsa, A. Tóth, L. Somsák, P. Bai, *PLOS One* **2020**, *15*, e0236081.
6) Vicinal difunctionalization of carbon–carbon double bond for the platform synthesis of trifluoroalkyl amines, F. Béke, Á. Mészáros, Á. Tóth, B. B. Botlik, Z. Novák, *Nat. Commun.* **2021**, *11*, 5924.