

Curriculum vitae

Personal data

Name: Bence Szilágyi

Place and date of birth: Nyíregyháza, 1990.04.04

e-mail: szilagyi.bence@ttk.mta.hu

bence542@gmail.com



Employment

2014 - Research Centre for Natural Sciences, Hungarian Academy of Sciences (Budapest, Hungary), research assistant
Supervisor: Dr. György Miklós Keserű
Research area: Synthesis of new heterocycles; Development of DAAO inhibitors

Education

2013 - 2014 University of Debrecen (Debrecen, Hungary), Chemist PhD
Supervisor: Prof. Dr. Somsák László

2011 - 2013 University of Debrecen (Debrecen, Hungary), Chemist MSc
Supervisor: Dr. Juhász László
MSc thesis: Preparation of *N*-(β -**D**-glucopyranosyl)-heteroaryl-carboxamides; synthesis of C-1 substituted glycals and examination of those reactions

2008 - 2011 University of Debrecen (Debrecen, Hungary), Chemist Bsc
Supervisor: Dr. Juhász László
Bsc thesis: Preparation of *N*-glucopyranosyl-amide type glycogen phosphorylase inhibitors containing 1,3,4-oxadiazole unit

Awards, prizes, scholarships:

2013 National Excellence Program - Eötvös Scholarship in convergence regions

2012/2013 Scholarship of the UD Talented Students' Programme

2012/2013 Major technical scholarships

2012 Summer internship scholarship

2009 Summer internship scholarship

Publications

1. M. Polyák; G. T. Varga; **B. Szilágyi**; L. Juhász; T. Docsa; P. Gergely; J. Begum; Joseph M. Hayes; L. Somsák; Synthesis, enzyme kinetics and computational evaluation of N-(β -D-glucopyranosyl) oxadiazolecarboxamides as glycogen phosphorylase inhibitors; *Bioorg. Med. Chem.* 21 (2013) 5738–5747

Lectures and posters

1. M. Polyák, G. T. Varga, **B. Szilágyi**, T. Docsa, P. Gergely, L. Juhász, L. Somsák; Synthesis and enzyme kinetic evaluation of heterocyclic bioisosteric analogues of N-acyl-N'- β -D-glucopyranosyl urea type glycogen phosphorylase inhibitors; 5th European Conference on Chemistry for Life Sciences, Barcelona, Spain, on June 10-12, 2013.
2. M. Polyák, **B. Szilágyi**, G. T. Varga, T. Docsa, P. Gergely, L. Juhász, L. Somsák; Design and synthesis of C-glucopyranosyl heterocyclic carboxamides for glycogen phosphorylase inhibition; Annual Meeting of the Working Committee for Carbohydrates, Nucleic Acids and Antibiotics of the Hungarian Academy of Sciences Mátrafüred, May 22-24, 2013;
3. M. Vágvölgyiné Tóth, G. T. Varga, M. Polyák, **B. Szilágyi**, S. Kun, I. Takács, L. Juhász, T. Docsa, P. Gergely, L. Somsák; SAR study of glycogen phosphorylase inhibitors: heterocycles as bioisosteric amide replacements in N-acyl- β -D-glucopyranosylamines and N-acyl-N'- β -D-glucopyranosyl ureas. 26th International Carbohydrate Symposium, Madrid, Spain, July 22-27, 2012, F80, lecture
4. M. Vágvölgyiné Tóth, G. T. Varga, M. Polyák, **B. Szilágyi**, S. Kun, I. Takács, L. Juhász, T. Docsa, P. Gergely, L. Somsák, SAR study of glycogen phosphorylase inhibitors: heterocycles as bioisosteric amide replacements in N-acyl- β -D-glucopyranosylamines and N-acyl-N'- β -D-glucopyranosyl ureas. 26th International Carbohydrate Symposium, Madrid, Spain, July 22-27, 2012, P122, poster
5. M. Polyák, G. T. Varga, **B. Szilágyi**, L. Juhász, L. Somsák; Heterocyclic bioisosters of N-acyl-N'- β -D-glucopyranosyl ureas; Annual Meeting of the Working Committee for Carbohydrates, Nucleic Acids and Antibiotics of the Hungarian Academy of Sciences; Debrecen, 2012, May 31. – June 01.

Spoken languages

Hungarian, English