

Curriculum Vitae

Personal statistics

First name and Surname: Soňa Křupková

Date of Birth: 27. 7. 1982

Address: The Institute of Molecular and Translation Medicine, Hněvotínská 5,
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Employment history

2012 – till now postdoctoral fellow, Department of Organic Chemistry, Institution of translational and medicinal chemistry, Palacký University Olomouc

Education

2001-2007 Master study (Organic Chemistry), Palacký University Olomouc, Faculty of Science, Department of Organic Chemistry

2007- 2008 Postgraduate study (Organic Chemistry), Charles University, Faculty of Science, Department of Organic Chemistry

2008-2012 Postgraduate study, Palacký University Olomouc, Faculty of Science, Department of Organic Chemistry

PhD thesis: Development of Solid-Phase Synthesis for Preparation of Chemical Libraries Containing Various Condensed Nitrogenous Heterocycles

9/2009 – 3/2010 Internship, University of Notre Dame, Department of Chemistry & Biochemistry (Indiana, USA)

Work experience

5/2004 Farmak, a.s. - Practice in research & development department, organic synthesis

10/2010 Teva Pharmaceuticals CR, s.r.o. - Practice in research & development, organic synthesis

Teaching:

Laboratory practice from organic chemistry

Seminar from organic chemistry

Language

English – intermediate (B2)

Publications

Křupková, S.; Funk, P.; Soral, M.; Hlaváč, J. 4-Chloro-2-Fluoro-5-Nitrobenzoic Acid as a Possible Building Block for Synthesis of Various Heterocyclic Scaffolds
ACS Comb. Sci. **2013**, 15, 20-28

Soral, M.; Hradil, P.; Křupková, S.; Hlaváč, J. An Interesting Synthetic Pathway to Some Quinolin-4(1H)ones: Phenacylanthranilates Rearrangement – Limits and Scopes
Mini-Rev. Org. Chem. **2012**, 9(4), 426-432

Křupková, S.; Krchňák, V.; Slough, G.A. Synthesis of Quinazolines from N-(2-Nitrophenylsulfonyl)iminodiacetate and α -(2-Nitrophenylsulfonyl)amino Ketones via 2H-Indazole 1-Oxides
J. Org. Chem. **2010**, 75(13), 4562-4566

Křupková, S.; Soral, M.; Hlaváč, J.; Hradil, P. Solid-Phase Synthesis of 3-Hydroxy-6-Nitroquinolin-4(1H)-ones with Two Diversity Positions
J. Comb. Chem. **2009**, 11(6), 951-955

Spáčilová, L.; Džubák, P.; Hajdúch, M.; Křupková, S.; Hradil, P.; Hlaváč, J. Synthesis and Cytotoxic Activity of Various 5-[Alkoxy-(4-nitro-phenyl)-methyl]-uracils in Their Racemic Form
Bioorg. Med. Chem. **2007**, 17(23), 6647-6650

Presentations

Brulíková, L.; Křupková, S.; Maitia, L.; Motyka, K.; Hradilová, L.; Hlaváč, J.
Combinatorial Approach in the Development of Multifunctional Fluorescent Probes of Rhodamine-Pyrimidine Type, 49th Conference: Advances in Organic, Bioorganic and Pharmaceutical Chemistry – “Liblice 2014”, October 7-9, 2014, Lázně Bělohrad, Czech Republic, oral presentation

Křupková, S.; Hlaváč, J.
Solid-Phase Synthesis of Hydroxylamine Derivatives Using Hetero-Diels-Alder Reaction of Nitroso Compounds, 24th International Society of Heterocyclic Chemistry Congress, September 8-13, 2013, Shanghai, China, poster

Křupková, S.; Hlaváč, J.
Solid-Phase Synthesis of Hydroxylamine Derivatives Using Hetero-Diels-Alder Reaction of Nitroso Compounds, 15th Blue Danube Symposium on Heterocyclic Chemistry, September 1-5, 2013, Olomouc (Czech Republic), oral presentation

Křupková, S.; Funk, P.; Soral, M.; Hlaváč, J.
4-Chloro-2-Fluoro-5-Nitrobenzoic Acid as a Possible Building Block for Solid-Phase Synthesis of Various Heterocyclic Scaffolds, 47th Conference: Advances in Organic,

Bioorganic and Pharmaceutical Chemistry – “Liblice 2012”, November 2-4, 2012, Lázně Bělohrad, Czech Republic, poster

Křupková, S.; Soral, M.; Hlaváč, J.

Efficient Solid-Phase Synthesis of 6-Nitro-3-Hydroxy-4(1H)-Quinolinones with Two Diversity Positions, 61. Zjazd chemikov, 2009, Tatranské Matliare, Slovakia, oral presentation,

Křupková, S.; Hlaváč, J.; Spáčilová, L.

Synthesis and Biological Activity of New 5-Substituted Uracils, 59. Zjazd chemikov, 2007, Tatranské Matliare, Slovakia, poster