Curriculum vitae
Václav Zima
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Education

- 2010-2013 Bachelor degree studies, Charles University, Prague, Faculty of Science, Chemistry in natural science program
- 2013-2015 Master degree studies, Charles University, Prague, Faculty of Science, Organic chemistry
- 2015-to be finished in 2021 Ph.D. studies, at Charles University, Prague, Faculty of Science, Department of Organic chemistry, and at the Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic

Received funding:

- Charles University Grant Agency (GAUK no. 678216 2016-2019) Preparation of Influenza Neuraminidase Inhibitors Possessing a Polar Sidechain. Results published.

Field of interest

- Chemistry, Organic chemistry, Medicinal chemistry, Peptide synthesis. Small organic molecules synthesis

List of conference contributions

- Advances in Organic, Bioorganic and Phramaceutical chemistry, 48 conference, Czech Republic 2013. Preparation of per-6-deoxy-per-6-methylsulfanyl-ß-cyklodextrin for self-assembly on gold surface.
- Advances in Organic, Bioorganic and Phramaceutical chemistry, 51 conference, Czech Republic 2016. Preparation of oseltamivir derivatives with polar side-chains.
- EFMC International Symposium on Advances in Synthetic and Medicinal Chemistry, Vienna, Austria, 2017. Preparation of oseltamivir derivatives with binders of 150-cavity.
- Joint Prague-Weizmann Winter School on Drug Discovery. Rehovot, Israel 2018. Preparation of oseltamivir derivatives with binders of 150-cavity
- EFMC International Symposium on Advances in Synthetic and Medicinal Chemistry. Athenes, Greece. 2019. Preparation of oseltamivir derivatives with polar sidechains and with binders of 150-cavity.

List of publications

- Zima V., Berenguer Albiñana C., Rojíková K., Pokorná J., Pachl P., Řezáčová P., Hudlicky J., Navrátil V., Majer P., Konvalinka J., Kožíšek M., Machara A. Investigation of flexibility of neuraminidase 150-loop using tamiflu derivatives in influenza A viruses H1N1 and H5N1. Bioorganic & Medicinal Chemistry, 2019.

- Zima V., Radilová K., Kožíšek M., Berenguer Albiñana C., Karlukova E., Brynda J., Fanfrlík J., Flieger M., Majer P., Konvalinka J., Machara A. Unraveling the Anti-Influenza Effect of Flavonoids: Experimental Validation of Luteolin and its Congeners

as Potent Influenza Endonuclease Inhibitors. Accepted for publication in European Journal of Medicinal Chemistry