






Vasily Ignatenko, Ph.D.

Technology Specialist, Patent Agent

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Overview

About Vasily

Vasily Ignatenko, Ph.D., is a technology specialist and patent agent in the Boston office of Fish & Richardson P.C. Dr. Ignatenko assists in the preparation and prosecution of patent applications, specializing in the chemical and pharmaceutical arts. His research experience includes his doctoral dissertation titled, "Molecular library synthesis using natural products: expanding the framework of steroids and pentacyclic triterpenoids." Prior to joining the firm, Dr. Ignatenko worked as a patent search analyst, specializing in prior art searches for law firms and chemical companies in support of patentability opinions, freedom to operate analysis, IP landscape analyses, and invalidity opinions. Dr. Ignatenko's technical areas of expertise include organic and medicinal chemistry, pharmaceutical formulations, polymer and cosmetic technologies, industrial chemical processes, and organometallic chemistry.

Focus Areas

Services

- Patent
- Patent Prosecution

Industries

- Chemicals

- Life Sciences

Education

J.D. expected, Suffolk University Law School (2021)

Ph.D., Organic Chemistry, Case Western Reserve University (2013)

Diploma of Specialist (equivalent of both a B.S. and M.S. in the U.S.) *with honors*, Chemical Engineering, D.I. Mendeleev University of Chemical Technology of Russia (2007)

Insights

Peer-Reviewed Publications

Ignatenko, Vasily A.; Han, Yong; and Tochtrop, Gregory P. "Direct Access to 6/5/7/5- and 6/7/5/5-Fused Tetracyclic Triterpenoids via Divergent Transannular Aldol Reaction of Lanosterol-Derived Diketone" *J. Org. Chem.* 2013, 78 (23), 12229–12235.

Ignatenko, Vasily A.; and Tochtrop, Gregory P. "Approach for Expanding Triterpenoid Complexity via Divergent Norrish-Yang Photocyclization" *J. Org. Chem.* 2013, 78 (8), 3821-3831.

Ignatenko, Vasily A.; Han, Yong; and Tochtrop, Gregory P. "Molecular Library Synthesis Using Complex Substrates: Expanding the Framework of Triterpenoids" *J. Org. Chem.* 2013, 78 (2), 410-418.

Ignatenko, Vasily A.; Zhang, Ping; and Viswanathan, Rajesh. "Step-economic synthesis of (\pm)-debromoflustramine A using indole C3 activation strategy" *Tetrahedron Lett.* 2011, 52 (12), 1269–1272.

Ignatenko, Vasily A.; Deligonul, Nihal; and Viswanathan, Rajesh. "Branch-Selective Synthesis of Oxindole and Indene Scaffolds: Transition Metal-Controlled Intramolecular Aryl Amidation Leading to C3 Reverse-Prenylated Oxindoles" *Org. Lett.* 2010, 12 (16), 3594–3597.

Selected Presentations

"Photoassisted Diversity Oriented Synthesis of Structurally Unique Triterpenoid Analogues", 6th

Annual Graduate Student Interdisciplinary Research Conference, November 3, 2012, Cleveland State University, OH.

“Diversity Oriented Synthesis with Natural Products: Alteration of Carbocyclic Skeleton of Bryonolic Acid”, Meeting-In-Miniature, Cleveland Section of American Chemical Society, March 21, 2012, Oberlin College, OH.

Vasily A. Ignatenko, Yong Han, and Gregory P. Tochtrop “Molecular Library Synthesis Using Complex Substrates: Expanding the Repertoire of Triterpenoids” 61st Gordon Research Conference on Natural Products, July 22-27, 2012, Andover, NH.

Vasilily A. Ignatenko, Yong Han, Dale Ray, and Gregory P. Tochtrop “Alteration of Bryonolic Acid Carbocyclic Skeleton” 42nd National Organic Chemistry Symposium, June 5-9, 2011, Princeton University, NJ.

Languages

- English
- Russian