

ISSN: 2161-4687 Volume 7, Number 2, June 2017



International Journal of Organic Chemistry



ISSN: 2161-4687



9 772161 468005



02

www.scirp.org/journal/ijoc

Journal Editorial Board

ISSN Print: 2161-4687 ISSN Online: 2161-4695

<http://www.scirp.org/journal/ijoc>

Editor-in-Chief

Dr. Bouzid Menaa

Fluorotronics Inc., USA

Editorial Board

Prof. Pher G. Andersson	Uppsala University, Sweden
Dr. Jacques Andrieu	Universite de Bourgogne, France
Dr. Daniel J. Canney	Temple University, USA
Prof. Devdutt Chaturvedi	Amity University Uttar Pradesh, India
Prof. Changle Chen	University of Science and Technology of China, China
Dr. David Yu-Kai Chen	Seoul National University, South Korea
Prof. Won-Jea Cho	Chonnam National University, South Korea
Dr. Jean-Christophe Cintrat	Laboratoire de Chimie Combinatoire et de Criblages à Haut Débit, France
Prof. Maria do Ceu Goncalves da Costa	National Laboratory of Energy and Geology, Portugal
Prof. Richard Daniellou	University of Orleans, France
Prof. Mircea Darabantu	University Babes-Bolyai Cluj-Napoca, Romania
Prof. Valerian Dragutan	Romanian Academy of Sciences, Romania
Prof. Robeto Fernandez-Lafuente	ICP, Consejo Superior de Investigaciones Científicas, Spain
Dr. Marta Feroci	Sapienza Università di Roma, Italy
Dr. Giuseppe Gattuso	University of Messina, Italy
Dr. Giuliano Giambastiani	Italian National Research Council (CNR), Italy
Prof. Hyun-Joon Ha	Hankuk University of Foreign Studies, South Korea
Dr. Todd A. Houston	Griffith University, Australia
Prof. Hsu-Shan Huang	National Defense Medical Center (NDMC), Chinese Taipei
Prof. David Allen Hunt	College of New Jersey, USA
Prof. Jalal Isaad	Mohamed the First University, Morocco
Prof. Madeleine M. Joullié	University of Pennsylvania, USA
Prof. Teruyuki Kondo	Kyoto University, Japan
Dr. Vanya Bogdanova Kurteva	Bulgarian Academy of Sciences, Bulgaria
Prof. Gilles Lemercier	Université de Reims Champagne-Ardenne, France
Dr. Chen Liao	Oak Ridge National Laboratory, USA
Prof. Emanuela Licandro	Università degli Studi di Milano, Italy
Prof. Yonghong Liu	Chinese Academy of Sciences, China
Prof. Joseph S. Merola	Virginia Polytechnic Institute and State University, USA
Prof. Andrei V. Nikolaev	University of Dundee, UK
Prof. Nagatoshi Nishiwaki	Kochi University of Technology, Japan
Prof. Martin Pomerantz	The University of Texas at Arlington, USA
Prof. Olivier Renaudet	University of Grenoble, France
Prof. Sylvain Routier	University of Orléans, France
Prof. Orazio Taglialatela Scafati	University of Naples Federico II, Italy
Prof. Branco Stanovnik	University of Ljubljana, Slovenia
Prof. Xue-Long Sun	Cleveland State University, USA
Prof. Thies Thiemann	United Arab Emirates University, UAE
Dr. Matteo Tonegger	Italian National Research Council, Italy
Prof. Ramon Rios Torres	University of Southampton, UK
Prof. Didier Villemin	Laboratoire de Chimie Moléculaire et Thioorganique (LCMT), France
Dr. Yanming Wang	Case Western Reserve University, USA
Prof. Piotr Paweł Wieczorek	Opole University, Poland
Prof. Noriyuki Yonezawa	Tokyo University of Agriculture and Technology, Japan

Table of Contents

Volume 7 Number 2

June 2017

Synthesis, Molecular Structure and Antibacterial Activity of Benzylmethyl-4-Methyl-3-Thiosemicarbazone

J. A. Mbah, G. A. Ayimele, E. N. Eyonganyoh, E. N. Nfor.....83

A New Penta β -D-Glucopyranosyl Diterpene from *Stevia rebaudiana*

V. S. P. Chaturvedula, S. R. Meneni.....91

L-Pyrrolidine-2-Carboxylic Acid Sulfate (LPCAS): A New Ionic Liquid for the Synthesis of 14-Aryl-14H-Dibenzo[a,j] Xanthenes under Solvent Free Condition

V. W. Godse, S. S. Rindhe, L. Kotai, P. S. Kendrekar, R. P. Pawa.....99

Synthesis and Structural Analysis of Novel Norspermidine Derivatives

B. Brycki, I. Kowalczyk, J. Werner, T. Pospieszny, A. Koziróg.....106

Solvent-Free Mechanochemical Deprotection of *N*-Boc Group

M. Đud, D. Margetić.....140

Synthesis and Spectroscopic Characterization of Eight Chloro Cyclopentadienyl Titanium Bis (O, O-Dialkyl and Alkylene Dithiophosphate) Compounds

A. A. S. El Khaldy, A. M. A. Shanab, Y. Boni.....145

Synthesis of Chiral Schiff Base Metal Complex Inducing CD and Elucidation of Structure of Adsorption on Surface of Gold Nanoparticles

M. Oshima, M. Matsuno, T. Yuki, S. Nobumitsu, T. Haraguchi, T. Akitsu.....153

Effect of L-Deprenyl on the Putrescine Level and Neuronal Damage after Transient Global Cerebral Ischemia in Gerbils

H. Lee, Y.-K. Chu, J.-H. Shon, K.-H. Chun, J.-I. Kim, S.-R. Lee.....171

Combined Experimental and Computational Investigation of 2-(2-Hydroxyphenylimino) Phenolic Derivatives: Synthesis, Molecular Structure and NLO Studies

V. D. Nadhiya, R. Kumaresan.....185

International Journal of Organic Chemistry (IJOC)

Journal Information

SUBSCRIPTIONS

The *International Journal of Organic Chemistry* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$69 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2017 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

Copyright for individual papers of the journal:

Copyright © 2017 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ijoc@scirp.org



International Journal of Organic Chemistry (IJOC)

ISSN 2161-4687 (Print) ISSN 2161-4695 (Online)

<http://www.scirp.org/journal/ijoc>

International Journal of Organic Chemistry (IJOC) is an international, specialized, English-language journal devoted to publication of original contributions concerning all fields of organic chemistry. It is an open-access, peer-reviewed journal describing the synthetic approached and the design of new molecules for applications in medicinal chemistry, but also for the synthesis of precursors for new materials (solid or liquid) that have an interest in materials sciences and nanotechnology, homogeneous and heterogeneous catalysis.

Editor-in-Chief

Dr. Bouzid Menaa

Fluortronics Inc., USA

Editorial Board

Prof. Pher G. Andersson
Dr. Jacques Andrieu
Dr. Daniel J. Canney
Prof. Devdutt Chaturvedi
Prof. Changle Chen
Dr. David Yu-Kai Chen
Prof. Won-Jea Cho
Dr. Jean-Christophe Cintrat
Prof. Maria do Ceu Goncalves da Costa
Prof. Richard Daniellou
Prof. Mircea Darabantu
Prof. Valerian Dragutan
Prof. Roberto Fernandez-Lafuente
Dr. Marta Feroci
Dr. Giuseppe Gattuso
Dr. Giuliano Giambastiani

Prof. Hyun-Joon Ha
Dr. Todd A. Houston
Prof. Hsu-Shan Huang
Prof. David Allen Hunt
Prof. Jalal Isaad
Prof. Madeleine M. Joullié
Prof. Teruyuki Kondo
Dr. Vanya Bogdanova Kurteva
Prof. Gilles Lemercier
Dr. Chen Liao
Prof. Emanuela Licandro
Prof. Yonghong Liu
Prof. Joseph S. Merola
Prof. Andrei V. Nikolaev
Prof. Nagatoshi Nishiwaki
Prof. Martin Pomerantz

Prof. Olivier Renaudet
Prof. Sylvain Routier
Prof. Orazio Taglialatela Scafati
Prof. Branco Stanovnik
Prof. Xue-Long Sun
Prof. Thies Thiemann
Dr. Matteo Tonezzer
Prof. Ramon Rios Torres
Prof. Didier Villemin
Dr. Yanming Wang
Prof. Piotr Pawel Wieczorek
Prof. Noriyuki Yonezawa

Subject Coverage

Contributions that concerns with analytical characterization, advanced techniques and the studies of properties for new synthesized molecules will also be highlighted. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Fluorescent Molecules and Dyes
- Organo-Metallics
- Polymers
- Surfactants among Others
- Synthesis of Reagents

The journal publishes the highest quality original full articles, communications, notes, reviews, special issues and books, covering both the experimental and theoretical aspects of organic chemistry.

Notes for Intending Authors

Papers are acceptable provided they report important findings, novel insights or useful techniques within the scope of the journal. All manuscript must be prepared in English, and are subjected to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by prints in hard copy. It will be available through <http://www.scirp.org/journal/ijoc>.

Website and E-Mail

<http://www.scirp.org/journal/ijoc> Email: ijoc@scirp.org