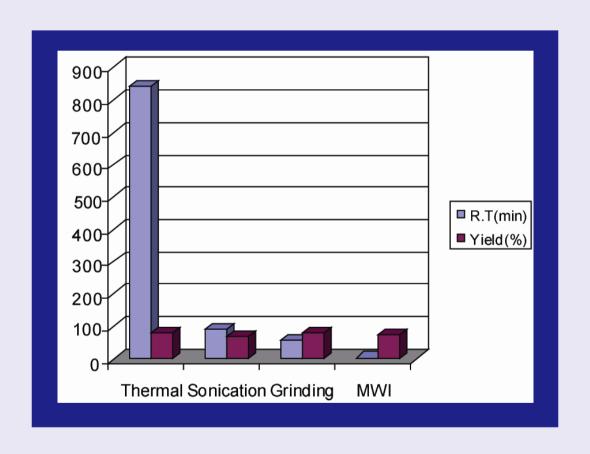


International Journal of Organic Chemistry





Journal Editorial Board

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

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

......

Editor-in-Chief

Dr. Bouzid Menaa Fluorotronics Inc., USA

Editorial Board

Dr. Yousef Ahmadibeni Columbus State University, USA Prof. Pher G. Andersson Uppsala University, Sweden Dr. Jacques Andrieu Universite de Bourgogne, France

Dr. Daniel J. Canney Temple University, USA

Prof. Won-Jea Cho Chonnam National University, Korea (South)

Laboratoire de Chimie Combinatoire et de Criblages à Haut Débit, France Dr. Jean-Christophe Cintrat

Dr. Maria do Ceu Goncalves da Costa National Laboratory of Energy and Geology, Portugal Dr. Richard Daniellou Ecole Nationale Superieure de Chimie de Rennes, France

Prof. Mircea Darabantu University Babes-Bolyai Cluj-Napoca, Romania Prof. Valerian Dragutan Romanian Academy of Sciences, Romania

Dr. Marta Feroci University "La Sapienza", Italy Dr. Giuseppe Gattuso University of Messina, Italy

Dr. Giuliano Giambastiani Italian National Research Council, Italy

Prof. Hyun-Joon Ha Hankuk University of Foreign Studies, Korea (South)

Dr. Todd A. Houston Griffith University, Australia

Prof. Hsu-Shan Huang National Defence Medical Center, Taiwan (China)

Prof. David Allen Hunt College of New Jersey, USA

Dr. Jalal Isaad Laboratoire de Génie et Matériaux Textiles (GEMTEX), France

Dr. Tasneem Islam Roosevelt University, USA Prof. Madeleine M. Joullié University of Pennsylvania, USA Prof. Teruyuki Kondo Kyoto University, Japan Dr. Laios Kovacs

University of Szeged, Hungary Dr. Rakesh Kumar University of Alberta, Canada

Dr. Vanya Bogdanova Kurteva Bulgarian Academy of Sciences, Bulgaria

Prof. Roberto Fernandez Lafuente Consejo Superior de Investigaciones Cientificas, Spain Prof. Gilles Lemercier Université de Reims Champagne-Ardenne, France

Prof. Mark S. Levi Food and Drug Administration, USA Università degli Studi di Milano, Italy Prof. Emanuela Licandro Texas A & M University, USA Prof. Zhiping Luo

State Key Lab of New Drug amd Pharmaceutical Process, China Dr. Xiang Ma

Dr. Mattew P. D. Mahindaratne University of Texas at San Antonio, USA

Universiy of Nancy, France Dr. Victor Mamane

Prof. Pedro Máximo Emilio Mancini Universidad Nacional del Litoral, Argentina

Prof. Joseph S. Merola Virginia Polytechnic Institute and State University, USA

University of Dundee, UK Prof. Andrei V. Nikolaev

Prof. Nagatoshi Nishiwaki Kochi University of Technology, Japan Tennessee State University, USA Prof. Cosma Okoro Dr. Anna Orlova Upssala University, Sweden

Prof. Martin Pomerantz The University of Texas at Arlington, USA Dr. Olivier Renaudet Joseph Fourier University, France University of Orleans, France Prof. Sylvain Routier

Prof. Orazio Taglialatela Scafati University of Naples, Italy University of Michigan Medical School, USA Dr. Peter J. H. Scott

Prof. Kazuo Shinozuka Gunma University, Japan Prof. Branco Stanovnik University of Ljubljana, Slovenia Cleveland State University, USA Dr. Xue-Long Sun United Arab Emirates University, UAE Prof. Thies Thiemann Prof. Ramon Rios Torres University of Barcelona, Spain

University of Caen, France Prof. Didier Villemin Case Western Reserve University, USA Dr. Yanming Wang

Prof. Piotr Pawel Wieczorek Opole University, Poland

Prof. Noriyuki Yonezawa Tokyo University of Agriculture and Technology, Japan

Editorial Assistant

Karen Zhang Scientific Research Publishing, USA Email: ijoc@scirp.org

International Journal of Organic Chemistry, 2011, 1, 143-261 Published Online December 2011 in SciRes (http://www.SciRP.org/journal/ijoc/)



TABLE OF CONTENTS

Volume 1	Number 4	December 2011
	e Synthesis of α , $\acute{\alpha}$ -Bis(Substituted-benzylidene)cycloalkanones Using Covalenculfonic Acid on Silica Gel (SiO ₂ -R-SO ₃ H) as an Efficient and Reusable Hetero	•
A. Habibi, E.	E. Sheikhhosseini, M. Bigdeli, S. Balalaie, E. Farrokhi	143
•	ne Glycols (PEG) and Micelles as Efficient Catalysts for the Oxidation of Xan under Conventional and Non-Conventional Conditions	thine
S. Shylaja, K	K. Ramesh, P. G. Reddy, K. C. Rajanna, P. K. Saiprakash	148
Photo-Induc	ced Reduction Reaction of Methylene Blue in an Ionic Liquid	
JI. Kadokav	awa, H. Izawa, T. Ohta, S. Wakizono, K. Yamamoto	158
0 1	Opening Reaction of 7,7'-Dimethyl-2,5-bis(trimethylsilyl)-dithieno[2,3- b :3',2'- d ence of NXS (X = Cl, Br, I)	/]silole
C. Y. Zhao, l	L. Xu, J. W. Shi, C. L. Li, Z. H. Wang, H. Wang	162
•	nd Antibacterial Activity of Urea and Thiourea Derivatives at C-8 Alkyl Chair re Isolated from a Natural Product Cashew Nut Shell Liquid (CNSL)	n of Anacardic
N. S. Reddy,	y, A. S. Rao, M. A. Chari, V. R. Kumar, V. Jyothi, V. Himabindu	167
BF ₃ ·OEt ₂ -Mo	Iediated Benzylation of Arenes and Heteroarenes with Benzyl Ether Derivativ	'es
L. Dang, Q. I	Li, T. M. Ma, S. Sheng, W. Zeng	176
Didodecyldin	nical Characterization, Detoxification and Anticancer Activity of methylammonium Bromide Nosheen, R. Qureshi, M. M. Yasinzai, S. K. Lunsford, D. D. Dionysiou, Z. ur Rehman,	
M. Siddiq, A	A. Badshah, S. Ali	183
_	on of the Role of Electrogenerated N-Heterocyclic Carbene in the Staudinger I Ionic Liquid	
M. Feroci		191
The Synthesi	sis of Arylsulfonylphthalimides and Their Reactions with Several Amines in A	cetonitrile
S. Ozturk, F	H. Kutuk	202
•	rmamide Dimethyl Acetal (DMFDMA) in Heterocyclic Synthesis: Synthesis of Pyrimidines, Pyridazine and Their Fused Derivatives	Polysubstituted
F. A. Abu-Sh	Shanab, S. A. S. Mousa, E. A. Eshak, A. Z. Sayed, A. Al-Harrasi	207

Copyright © 2011 SciRes. *IJOC*

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: \$39 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@2011 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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

Call for Papers



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

Fluorotronics Inc., USA

Editorial Board

Dr. Yousef Ahmadibeni Prof. Pher G. Andersson Dr. Jacques Andrieu Dr. Daniel J. Canney Prof. Won-Jea Cho Dr. Jean-Christophe Cintrat Dr. Maria do Ceu Goncalves da Costa Dr. Richard Daniellou Prof. Mircea Darabantu Prof. Valerian Dragutan 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

Dr. Tasneem Islam Prof. Madeleine M. Joullié Prof. Teruyuki Kondo Dr. Lajos Kovacs Dr. Rakesh Kumar Dr. Vanya Bogdanova Kurteva Prof. Roberto Fernandez Lafuente Prof. Gilles Lemercier Prof. Mark S. Levi Prof. Emanuela Licandro Prof. Zhiping Luo Dr. Xiang Ma Dr. Mattew P. D. Mahindaratne Dr. Victor Mamane Prof. Pedro Máximo Emilio Mancini Prof. Joseph S. Merola Prof. Andrei V. Nikolaev Prof. Nagatoshi Nishiwaki

Prof. Cosma Okoro
Dr. Anna Orlova
Prof. Martin Pomerantz
Dr. Olivier Renaudet
Prof. Sylvain Routier
Prof. Orazio Taglialatela Scafati
Dr. Peter J. H. Scott
Prof. Kazuo Shinozuka
Prof. Branco Stanovnik
Dr. Xue-Long Sun
Prof. Thies Thiemann
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

Dr. Jalal Isaad

- 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.

Email: ijoc@scirp.org

Website and E-Mail

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