



Sri Yerramilli Narayanamurthy College (Autonomous)

(Affiliated to Adikavi Nannaya University)

Accredited by NAAC with 'A' grade with a CGPA of 3.40

Recognized by UGC as 'College with Potential for Excellence'

NARASAPUR-534275, W.G.Dist. AP

2017-2018 to 2021-2022

Database Screenshots:

1. DELNET

DELNET Screenshots



Search the DELNET Digital Library Resources

[Advanced](#)

You are accessing union catalog of Books, Journals etc

Search: Operating system

Suggested Topics... within your search.

[Operating Systems](#) (3,665)

[OPERATING SYSTEMS](#) (3,078)

[OPERATING SYSTEM](#) (2,508)

[Operating System](#) (2,240)

[Operating systems](#) (1,568)

[Operating systems \(Computers\)](#) (1,366)

[more ...](#)

Showing 1 - 60 of 25,456 for search: 'Operating system', query time: 0.84s

Sort:

Disk **operating system** version 3.00

Institution: JNU


INTRODUCTION TO OPERATING SYSTEMS

by DEITEL, H.M.

Published 2000

Institution: DCE


Systems programming and **operating system**

by Dhanmdhere, D.M.

Published 1993

Institution: mpDAVV


Operating System Projects using Windows NT

by Nutt, Gary

Published 1999

Institution: knGUL


Teach Yourself DOS

by Stevens, A.L

Published 1990

Institution: knGUL


Operating systems: A systematic view

by Davis, William S

Published 2001

Institution: anMITW

Narrow Search

INSTITUTION

[hrAIP](#) 1,2
[tnPCET](#) 1,2
[ukKU](#) .
[pbGNDEC](#) .
[mpTIET](#) .
[knBMSIT](#) .
[more ...](#)

FORMAT

[Book](#) 25,
[Unknown](#) .
[Slide](#) .
[Article](#) .
[CD/DVD](#) .
[Thesis/Dissertation](#) .
[more ...](#)

CALL NUMBER

[Q - Science](#)
[T - Technology](#)

AUTHOR

[Silberschatz, Abraham](#) .
[Silberschatz, A](#) .
[Tanenbaum, Andrew S](#) .
[Stallings, William](#) .
[WILLIAM STALLINGS](#) .
[TANENBAUM, ANDREW S.](#) .
[more ...](#)

LANGUAGE

[English](#) 8,
[Middle English](#) .
[Hindi](#) .

HAPPY NEW YEAR 2022



Search the DELNET Digital Library Resources

All Fields

---Select Format---

Q Find

[Advanced](#)

You are accessing union catalog of Books, Journals etc

Full-text Digital Library Resources



Knowledge Gainer Portal New

[Access Full Text E-books, E-journals, E-articles, etc.](#)


Language Learning Portal New

[English](#)
[Foreign Languages](#)


Manuscripts & Rare Books New

[Access it](#)


E-BOOKS

[Autobiographies & Biographies](#)
[E-Books: Read and Download them online](#)
[Full-Text Medical Books](#)


THESIS/DISSERTATIONS

[EBSCO Open Dissertations](#)
[Global Full-text Thesis and Dissertation](#)
[Networked Digital Library of Thesis and Dissertations](#)
[Yale Medicine Thesis Digital Library](#)


E-JOURNALS (Full-Text)

[Agriculture Science E-journals](#)
[Architecture E-journals](#)
[Arts, Commerce and Science Collection of E-journals](#)
[Ayurveda E-journals](#)
[Dental E-journals](#)
[Education E-journals](#)
[Engineering and Technology E-journals](#)
[Fashion Technology](#)
[Homeopathy](#)
[Hotel Management E-journals](#)
[Law E-journals](#)
[Library and Information Technology E-journals](#)
[Management E-journals](#)
[Mass Media E-journals](#)
[Medical E-journals](#)
[Nursing E-journals](#)
[Pharmacy E-journals](#)
[Physiotherapy E-journals](#)
[Yoga](#)


Other Online Databases

[MEDLINE and other databases of NLM](#)
[US Patents : Full Text](#)
[Cambridge Dictionary Online](#)
[ODLIS : Online Dictionary for Lib & Inf. Science](#)
[Hobbies](#)


Other Links

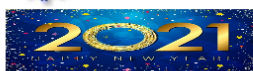
[About Us](#)
[WATCH DELNET ONLINE DEMONSTRATION ON YOUTUBE](#)
[DELNET Consortium for E-journals](#)
[How to Access Delnet Online](#)
[Poster on DELNET](#)
[Profile of Member Libraries](#)
[Interlibrary Loan \(ILL\) Regulations](#)

Search Options

- Search History
- Advanced Search

Need Help?

- Search Tips
- FAQs



Access E-Journals

Arts and Commerce	Sciences
Commerce Communication & Transport (26)	Astronomy (20)
Economics (106)	Ayurveda (22)
Education(280)	Botany (33)
General Statistics (43)	Chemistry (44)
Law (71)	Earth Sciences (46)
Philosophy(27)	Life Sciences(37)
Political Science(60)	Mathematics(62)
Public Administration(28)	Natural Sciences(48)
Social Sciences(61)	Paleontology(8)
Social Services & Associations(26)	Physics(47)
Sociology & Anthropology(72)	Zoology(32)

Copyright 2020 DELNET Developing Library Network. All Rights Reserved. DELNET uploads data received from its member-libraries in the form of union catalogues, union-lists and other databases. DELNET is not responsible for the confidentiality and accuracy of data so presented on this site. Also, DELNET is not responsible for the contents of any Linked Site listed above.

© 2020 DELNET Developing Library Network, JNU Campus, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Tel. : 91-11-26742222, 26741302, 26741305, 26741266, 26741232, 26741246 All rights reserved.



Chemistry

[Acta Chimica Slovenica](#)
[Advances in Physical Chemistry](#)
[American Journal of Organic Chemistry](#)
[Analytical Chemistry Insights](#)
[Arabian Journal of Chemistry](#)
[Arkansas Academy of Science Journal](#)
[ARKIVOC: Online Journal of Organic Chemistry](#)
[Beilstein Journal of Organic Chemistry](#)
[Biointerface Research in Applied Chemistry](#)
[Bulletin of Chemical Reaction Engineering & Catalysis](#)
[Chemical Science Journal](#)
[Chemistry Central Journal](#)
[Chemistry Journal](#)
[Chemistry Open](#)
[Current Chemistry Letters](#)
[European Chemical Bulletin](#)
[European Journal of Chemistry](#)
[Facta Universitatis-series: Physics, Chemistry and Technology](#)
[Heterocyclic Letters](#)
[Indian Journal of Biochemistry and Biophysics \(IJBB\)](#)
[Indian Journal of Chemistry â€” Section B \(IJC-B\)](#)
[Indian Journal of Chemistry-Section A](#)
[International Journal of Industrial Chemistry](#)
[International Journal of Chemistry](#)
[International Journal of Chemistry Research](#)
[International Journal of Organic Chemistry](#)
[Journal of Business Chemistry](#)
[Journal of Cheminformatics](#)
[Journal of Chemistry](#)
[Journal of Nanostructure in Chemistry](#)
[Journal of Science & Technology](#)
[Journal of systems chemistry](#)
[Macedonian Journal of Chemistry and Chemical Engineering](#)
[Mediterranean Journal of Chemistry](#)
[Modern Chemistry & Applications](#)
[Molecules-Open Access Organic Chemistry Journal](#)
[Open Journal of inorganic Chemistry](#)
[Organic and Medicinal Chemistry Letters](#)
[Organic Communications](#)
[Physical Chemistry Research](#)
[Polish Journal of Chemical Technology](#)
[Science of Sintering](#)
[The Open Organic Chemistry Journal](#)

Copyright 2020 DELNET-Developing Library Network. All Rights Reserved. DELNET uploads data received from its member-libraries in the form of union catalogues, union-lists and other databases. DELNET is not responsible for the confidentiality and accuracy of data so presented on this site. Also, DELNET is not responsible for the contents of any Linked Site listed above.

© 2020, DELNET Developing Library Network, JNU Campus, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Tel. : 91-11-26742222, 26741302, 26741305, 26741266, 26741232, 26741246 All rights reserved.



Journals Menu

- > Articles
- > Archive
- > Indexing
- > Aims & Scope
- > Editorial Board
- > For Authors
- > Publication Fees

Open Special Issues

Published Special Issues

Special Issues Guideline

Special Issues

- Organic Compound and Its Derivatives
(Due: 2/15/2022)
- Heterocyclic Chemistry
(Due: 3/10/2022)

Follow SCIRP



Contact us

customer@scirp.org

+86 18163351462(WhatsApp)

1655362766



Paper Publishing WeChat



International Journal of Organic Chemistry

ISSN Print: 2161-4687

ISSN Online: 2161-4695

www.scirp.org/journal/ijoc

E-mail: ijoc@scirp.org

Google-based Impact Factor: 0.59

Citations h5-index & Ranking

Submission

2021 2020 2019 2018 2017 2016 2015 2014 2013

2012 2011

2017 >> 4 3 2 1

Volume 7, Number 3, September 2017

Cover Page, Table of Contents and Others: PDF (size: 2786KB)

Synthesis and Antibacterial Activity of Aromatic Homopropargyl Alcohols

Christian A. Umaña, María L. Arias, Jorge A. Cabezas

International Journal of Organic Chemistry Vol.7 No.3, September 19, 2017

DOI: 10.4236/ijoc.2017.73023 1,335 Downloads 2,971 Views

This article belongs to the Special Issue on Aromatic Compounds

Synthesis and Spectroscopic Properties of Ferrocenyl Derivative Containing Donor and Acceptor Groups

Makoto Minato, Chiharu Sorai, Takashi Ito, Masashi Kiguchi, Midori Kato

International Journal of Organic Chemistry Vol.7 No.3, September 7, 2017

DOI: 10.4236/ijoc.2017.73022 1,102 Downloads 1,945 Views Citations

Novel Route for Synthesis of Thiozolidine-2,4-Dione Derivatives as a Mannich Base

Ramakrishna Vellalacheruvu, Ramayanam Sai Leela, L. K. Ravindranath

International Journal of Organic Chemistry Vol.7 No.3, September 6, 2017

DOI: 10.4236/ijoc.2017.73021 1,223 Downloads 2,418 Views Citations

This article belongs to the Special Issue on Aromatic Compounds

Photochemistry of Styrene Oxide: A Triplet Pathway in the Singlet Excitation of a Monoaryl Oxirane

Benny E. Aney, Helko Ihmels, Rick C. White

International Journal of Organic Chemistry Vol.7 No.3, September 1, 2017

DOI: 10.4236/ijoc.2017.73020 939 Downloads 1,797 Views

This article belongs to the Special Issue on Aromatic Compounds

Cu-Pd Dual Catalyst System for Amide Styrylation Reaction from Potassium Styryltrifluoroborates and Amides

Mohammad Al-Masum, Mohammed Shahidul Islam, Wejdan Shaban

International Journal of Organic Chemistry Vol.7 No.3, August 11, 2017

DOI: 10.4236/ijoc.2017.73019 1,202 Downloads 2,037 Views Citations

This article belongs to the Special Issue on Aromatic Compounds

Synthesis of Some Hexahydroquinazolinones Using K₃AlF₆(Al₂O₃/KF) as an Efficient Catalyst in Some Hexahydroquinazolinone Derivatives

Masoumeh Mehrabi, Asadollah Farhadi, Alireza Kiassat

International Journal of Organic Chemistry Vol.7 No.3, August 9, 2017

DOI: 10.4236/ijoc.2017.73018 978 Downloads 1,822 Views Citations

Synthesis, Molecular Structure and Antibacterial Activity of 1-(4-Methoxybenzaldehyde)-4-Methylthiosemicarbazone

James Ajeck Mbah, Godfred Aponglen Ayimele, Norbert Kodjio, Joseph Ngwain Yon...

International Journal of Organic Chemistry Vol.7 No.3, July 27, 2017

DOI: 10.4236/ijoc.2017.73017 1,215 Downloads 2,389 Views Citations

Synthesis of 1,3-Oxazepine Derivatives Derived from 2-(1H-Benzo[d][1,2,3]Triazol-1-yl) Acetohydrazide by Using Microwave

IJOC Journal Stats

Publication years: 2011-2022

Publication count: 334

Citation count: 2748

h5-index: 10

h-index: 24

Impact Factor: 0.59

Downloads: 1,260,441

Views: 2,135,077

Downloads/article: 3773.8

Citations/article: 8.3

Most cited

Most downloaded

E-Mail Alert

IJOC Subscription

Publication Ethics & OA Statement

Frequently Asked Questions

Recommend to Peers

Recommend to Library

Contact us

Offline - Leave a message



Journals Menu

- > Articles
- > Archive
- > Indexing
- > Aims & Scope
- > Editorial Board
- > For Authors
- > Publication Fees

Related Articles

- Design, Synthesis of Analgesics and Anticancer of Some New Derivatives of Benzimidazole
- Synthesis and Biological Evaluation of Novel Homopiperazine Derivatives as Anticancer Agents
- Synthesis and Characterization of Novel Nano Derivatives of Graphene Oxide
- Use of Ultrasound and Microwave Irradiation for Clean and Efficient Synthesis of 3,3'-(Arylmethylene)bis (2-hydroxynaphthalene-1,4-dione) Derivatives
- Synthesis of 1,3-Oxazepine Derivatives Derived from 2-(1H-Benzo[d][1,2,3]Triazol-1-yl) Acetohydrazide by Using Microwave Irradiation

Open Special Issues

Published Special Issues

Special Issues Guideline

E-Mail Alert

IJOCC Subscription

Publication Ethics & OA Statement

Frequently Asked Questions

Recommend to Peers

Recommend to Library

Contact us

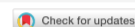
Sponsors, Associates, and Links

- American Journal of Analytical Chemistry



- Advances in Materials Physics

International Journal of Organic Chemistry > Vol.11 No.4, December 2021



Design, Synthesis and Characterization of Novel Sulfonamides Derivatives as Anticancer Agent Targeting EGFR TK, and Development of New Methods of Synthesis by Microwave Irradiation

Souad Akili¹, Djamila Ben Hadda², Yaser Bitar¹, Amir Balash³, Mustapha Fawaz Chehna^{1*}

¹Department Quality Control and Pharmaceutical Chemistry, Faculty of Pharmacy, University of Aleppo, Aleppo, Syria.

²Department Quality Control and Pharmaceutical Chemistry, Faculty of Pharmacy, Ebla Private University, Aleppo, Syria.

³Department of Pharmaceutical Chemistry, Institute of Pharmacy, University of Marburg, Marburg, Germany.

DOI: 10.4236/ijoc.2021.114014 PDF HTML XML 59 Downloads 267 Views

Abstract

Some novel sulfonamide-derivatives were designed to develop novel kinase inhibitors. The molecular docking study was performed for the designed compounds against epidermal growth factor kinase receptor T790M/L858R (TMLR) (PDB ID: SEDQ) to identify new drug candidates for treating cancer. Binding free energy was calculated by Molegro virtual docker (MVD) to select the most promising hits. The corresponding docking score values into EGFR (TMLR) of 4b gave the best energy docking -147.213 Kcal/mol. And some of the designed sulfonamide derivatives have been synthesized by conventional method in addition to a microwave-assisted method of synthesis. The reaction of an amino group-containing drug; sulfamethoxazole and sulfanilamide with carbonyl group in benzoyl chloride and phthalic acid in basic media, generated a series of sulfonamide derivatives. The structures of all the synthesized compounds were well characterized by Mass spectrometry (MS), Infrared spectroscopy (IR), ¹H nuclear magnetic resonance (¹H NMR), ¹³C nuclear magnetic resonance (¹³C NMR) and elemental analysis. After obtaining experimental data regarding the yield and the time taken for the synthesis by both the approaches, conventional and microwave-assisted method, it was shown that the microwave-assisted method gave higher yield with shorter time and higher temperature compared to conventional heating methods.

Keywords

Sulfonamide, Anticancer, EGFR, TMLR, SEDQ, Molegro Virtual Docker, Sul-famethoxazole, Sulfanilamide, Microwave

Share and Cite:



Akili, S. , Ben Hadda, D. , Bitar, Y. , Balash, A. and Fawaz Chehna, M. (2021) Design, Synthesis and Characterization of Novel Sulfonamides Derivatives as Anticancer Agent Targeting EGFR TK, and Development of New Methods of Synthesis by Microwave Irradiation. *International Journal of Organic Chemistry*, **11**, 199-223. doi: 10.4236/ijoc.2021.114014.

1. Introduction

Cancer is a worldwide health problem and the most deadly disease in humans [1] [2], and it is considered the second leading cause of mortality after cardiovascular diseases [2]. There are several methods for the treatment of cancer such as Surgery, Chemotherapy, Hormonal therapy, Immunotherapy [3] [4], and Phototherapy [5]. Today, anticancer chemotherapy is still the main method applied in the treatment of cancer [6]. Chemotherapy drugs include antitumor antibiotics, anti-metabolites, mitotic inhibitors, hormonal therapies. Cancer chemotherapy offers a unique advantage: it can treat the entire body, even the cells that may have escaped from the primary tumor [4] [7].

Among the wide range of compounds tested as potential anticancer agents, derivatives of sulfonamide have attracted reasonable attention [8].

The compounds which contain SO₂NH₂ functional group are called sulfonamides. The general formula of sulfonamides is RSO₂NH₂ [9] (Figure 1).

Sulfa drugs are amphoteric, they have pKa 4.79 to 8.56 and act as weak organic acids. They are weakly soluble in water, their solubility is increased at alkaline pH. The lipophilicity of the N₁ group has the largest effect on protein binding [10]. Sulfonamide derivatives comprise an important class of drugs with diverse biological applications [11]. Over 30 drugs containing this functional group are in clinical use, including antihypertensive, antibacterial, antiprotozoal, antifungal, anti-inflammatory, non-peptidic vasopressin receptor antagonists, translation initiation inhibitors, rheumatoid arthritis, antimalarial, anti-leishmanial, anti-thyroid, Antidepressant [10] [11] [12], hypoglycemics, anticonvulsants [13], diuretic, receptor tyrosine kinase inhibitors, and antipsychotics [1]. They are also used to treat ulcerative colitis, urinary, intestinal, and ophthalmic infections [14]. Recently, sulfonamides have been used as anti-cancer, anti-viral, and anti-HIV [15] [16], and in Alzheimer's disease [13].

Epidermal growth factor receptor (EGFR) is a member of the tyrosine kinase family and is usually overexpressed in several types of cancer, such as non-small-cell lung cancer, breast, esophageal, head, cervical, and neck cancer [17] [18]. The TMLR (T790M/L858R) mutation, the L858R mutation is located in the tyrosine kinase domain of EGFR in exon 2 and

Sri YN college
My J-Gate
Logout
Help

All
My Library
My Favourite

Basic Search
Browse A-Z
Author Finder
Advanced Search
Search History
View Marked Results

Browse Table of Contents

Latest Year

2021

Archive

2020

2019

2018

2017

Vol. 11 No. 2, Jun

Vol. 11 No. 1, Jan

2016

2015

2014

2013

2012

2011

2010

2009

2008

2007

Academy of Management Annals
Vol. 11 No. 2, Jun 2017

Published By: Academy of Management
Co-Published By: Taylor and Francis Ltd

SJR: 18.318 ; H-Index:73.0

☐ Mark All
Results 1-10 of 13

☐ Workplace Courage: Review, Synthesis, and Future Agenda for a Complex Construct

Issue Details: Vol 11, No 2, Jun 2017

Author: James R Detert Evan A Bruno

Page No: 593-639

Abstract: The goal of this review is to organize, synthesize, and critically appraise the literature on couragea concept as old as the written wordto create a common base for the study of "workplace courage." To situate what follows, we begin with a brief review of the diverse foundational and current courage literature. We then use the literature and our critique to suggest a grounded working definition for the workplace courage construct, to discuss the overlap between workplace courage and many related organizational phenomenon and constructs, and to review four main approaches to the study of workplace courage. We next review the "perspective problem" in the study of courage (and related constructs), proposing a path forward that involves explicit researcher acknowledgement of the appropriate perspective(s) based on theoretical interests, as well as research attention to the causes and consequences of (dis)agreement in perspective itself. We conclude by outlining additional focused opportunities such as those involving the role of gender, emotions, and timeto advance understanding of workplace courage.

Citation Statements:

☐ Scaling: Organizing and Growth in Entrepreneurial Ventures

☐ Organizations as Politics: An Open Systems Perspective

☐ A Critical Analysis of the Conceptualization and Measurement of Organizational Justice: Is it Time for Reassessment?

☐ An Aspirational View of Organizational Control Research: Re-Inigorating Empirical Work to Better Meet the Challenges of 21st Century Organizations

☐ Inducements and Motives at the Top: A Holistic Perspective on the Drivers of Executive Behavior

☐ Time in Strategic Change Research

☐ Organizational Response to Adversity: Fusing Crisis Management and Resilience Research Streams

☒ Cooperation across Disciplines: A Multilevel Perspective on Cooperative Behavior in Governing Interfirm Relations

☐ A Look back and a Leap Forward: A Review and Synthesis of the Individual Work Performance Literature

10
25
50
100

1
2
...
2

About
FAQ
Admin
Contact Us

Copyright © 2022. Informatics India Ltd. All Rights Reserved.

Best viewed in

JOURNALS LIST