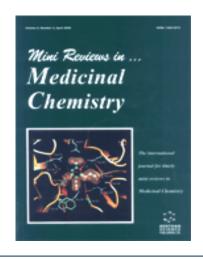


(/)

Search for... Q Search

Search in:

All
Article
Chapter
eBook



Purchase PDF

Synthesis and Biological Activities of Organotin(IV) Complexes as Antitumoral and Antimicrobial Agents. A Review

Author(s): Syed Shoaib Ahmad Shah, Muhammad Ashfaq, Amir Waseem, M. Mehboob Ahmed, Tayyaba Najam, Salma Shaheen, Gildardo Rivera.

Journal Name: Mini-Reviews in Medicinal Chemistry

Volume 15, Issue 5, 2015

DOI: 10.2174/138955751505150408142958 (https://doi.org/10.2174/138955751505150408142958)

♠ Journal Home (/node/633)



(http://premc.org/conferences/pbsi-phosphorus-boron-silicon/?

utm_source=Benthamscience&utm_medium=cpc&utm_campaign=PBSi_2018&utm_term=Journals&utm_content=Banner)

Abstract:

Advances in the use of organotin(IV) compounds have gained relevant interest in both the chemical and pharmaceutical industry. Tin(IV) form stable complexes with a unique structure and physicochemical properties that are used in organic synthesis as heat stabilizers and catalysts, in drug development as biologically active agents, and in other areas. This review focuses on recent progress in the classical and convenient synthesis procedure, on their mechanism of action, and biological activities as antitumoral and antimicrobial agents.

Keywords: Agents, antimicrobial, antitumoral, synthesis, organotin(IV).

Mark Item

Purchase PDF

Rights & Permissions

Print Export

Other

Article Details

VOLUME: 15 ISSUE: 5 Year: 2015 Page: [406 - 426] Pages: 21

DOI: 10.2174/138955751505150408142958 (https://doi.org/10.2174/138955751505150408142958)

Price: \$58

Article Metrics

PDF: 28 HTML: 0 EPUB: 0 PRC: 0

http://www.eurekaselect.com/130191/article

Related Article(s)

Germatranyl substituted organotin (IV) carboxylates: synthesis spectroscopic characterization and biological activities.

U Salma et al., Med Chem

Fluorinated nucleosides as antiviral and antitumor agents.

Wei-Dong Meng et al., Curr Top Med Chem

Imidazole and benzimidazole derivatives as chemotherapeutic agents. Mariana Boiani et al., Mini Rev Med Chem

"Design, Synthesis, and Delivery Studies of Organotin(IV) based HCV Inhibitor".

Farooq Ali Shah et al., Infect Disord Drug Targets

Hydroxamate, a key pharmacophore exhibiting a wide range of biological activities.

Samuel Bertrand et al., Mini Rev Med Chem

The Effect of Ultraviolet Irradiation on the Physicochemical Properties of Poly(vinyl Chloride) Films Containing Organotin(IV) Complexes as Photostabilizers

Ghazi et. al.; El-Hiti, Gamal A.; Yousif, Emad; Ahmed, Dina S.; Alotaibi, Mohammad Hayal et al., Molecules

Synthesis, Characterization and Biological Activities of Biopolymeric Schiff Bases Prepared with Chitosan and Salicylaldehydes and Their Pd(II) and Pt(II) Complexes

Barbosa et. al.çalves; Attjioui, Maha; Ferreira, Ana Paula Garcia; Dockal, Edward Ralph; El Gueddari, Nour Eddine; Moerschbacher, Bruno M.; Cavalheiro, Éder Tadeu Gomes et al., Molecules

Biological Activities of IL-15 superagonist - IL-15 Mutein:IL-15RaFc complex following Intravenous or Subcutaneous Administration Bai Liu et al., J Immunol

Adverse Events in Pediatric Patients Receiving Long-term Oral and Intravenous Antibiotics

Jennifer Leontine Murphy et al., Hosp Pediatr

Fighting Cancer with Mathematics and Viruses Santiago et al., Viruses

Powered by

(/terms/termandcondition.html?1)

© 2018 Bentham Science Publishers (http://www.eurekaselect.com/136826/page/terms-and-conditions)

