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Tetrahedron Letters

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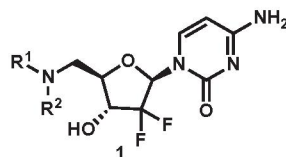
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Syntheses of 5'-amino-2',5'-dideoxy-2',2'-difluorocytidine derivatives as novel anticancer nucleoside analogs

pp 598–602

Marc A. Labroli, Michael P. Dwyer*, Ruichao Shen, Janeta Popovici-Muller, Qinglin Pu, Judson Richard, Kristen Rosner, Kamil Paruch, Timothy J. Guzi

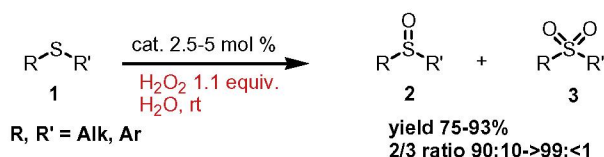


A novel series of 5'-amino-2',5'-dideoxy-2',2'-difluorocytidine derivatives, represented by **1**, have been prepared via three different synthetic routes in order to profile them as potential anticancer agents.

Ammonium salt catalyzed oxidation of organosulfides to organosulfoxides

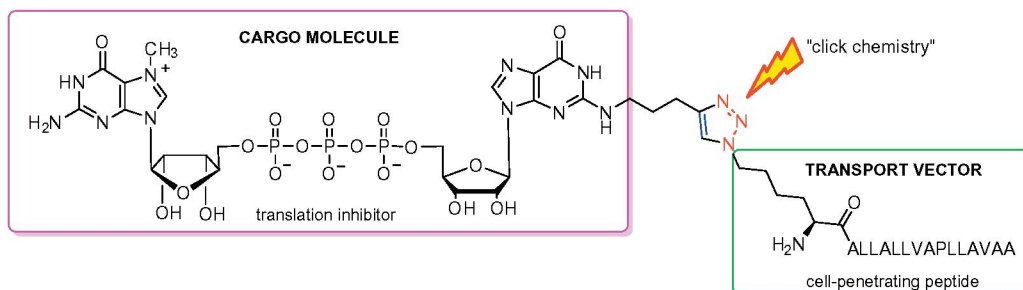
pp 603–605

Francesco Secci*, Angelo Frongia, Pier Paolo Piras

**Chemical conjugation of an mRNA cap analogue with a cell-penetrating peptide as a potential membrane permeable translation inhibitor**

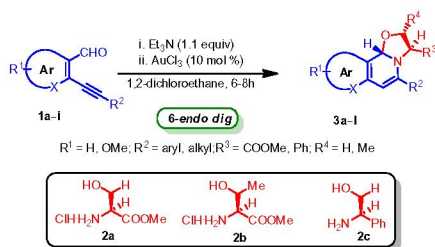
pp 606–609

Karolina Pieczyk, Marzena Jankowska-Anyszka*

**Au(III)-catalyzed regio- and stereoselective tandem synthesis of oxazolo fused naphthyridines and isoquinolines from o-alkynylaldehydes**

pp 610–615

Rajeev Ranjan Jha, Abhinandan Kumar Danodia, Sushil Kumar, Akhilesh Kumar Verma*



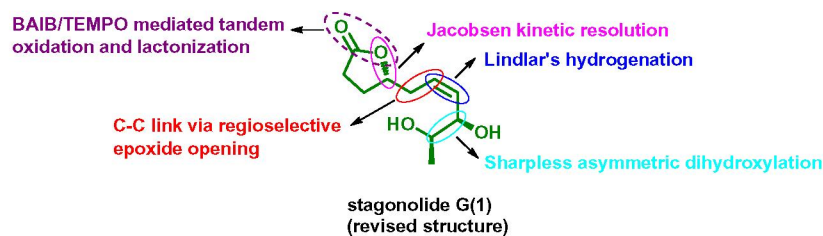
An efficient tandem approach for the regio- and stereoselective synthesis of oxazolo-fused naphthyridines **3a-g**, **3i-l** and isoquinolines **3h**, **3m** via the reaction of *o*-alkynylaldehydes **1a-i** with chiral amino alcohols **2a-c** under mild reaction conditions is described. The stereochemistry and structures of the products were assigned via NOESY and X-ray crystallographic studies.



Stereoselective synthesis of revised structure of stagonolide G

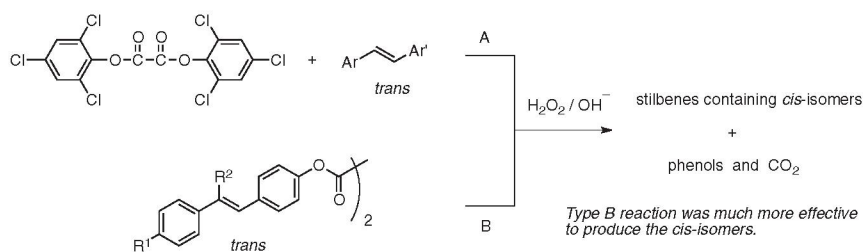
pp 616–618

K. Rajendra Prasad, A. Venkanna, K. Suresh Babu*, A. R. Prasad, J. Madhusudana Rao*

**Chemically-induced geometrical isomerization of stilbenes during peroxyoxalate chemiluminescence reaction: revisit to 'photochemistry without light'**

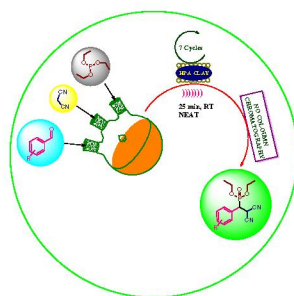
pp 619–622

Jiro Motoyoshiya*, Kanako Watanabe, Airi Takizawa, Hikaru Shimizu, Takayuki Maruyama

**Heterogeneous reusable catalyst, ultrasound energy, and no solvent: a quick and green recipe for one-pot synthesis of β-phosphonomalononitriles at room temperature**

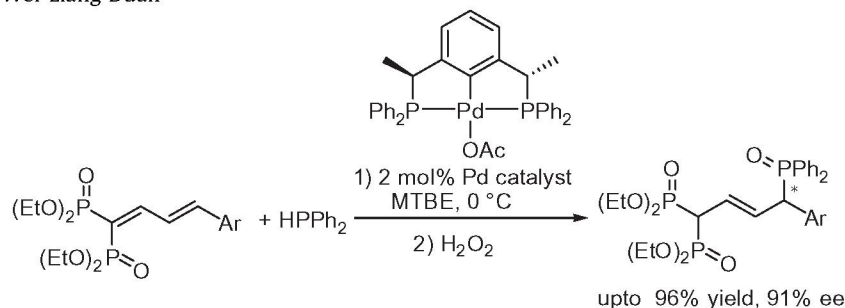
pp 623–628

Bashir Ahmad Dar, Nalini Pandey, Snehil Singh, R. K. Bamezai, Meena Sharma, Ram A. Vishwakarma*, Baldev Singh*

**Palladium-catalyzed asymmetric 1,6-addition of diphenylphosphine to (4-aryl-1,3-butadienylidene)bis(phosphonates) for the synthesis of chiral phosphines**

pp 629–631

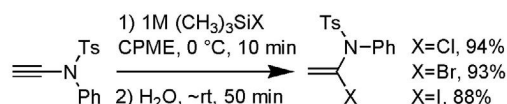
Jian Huang, Mei-Xin Zhao, Wei-Liang Duan*



Synthesis of 1-haloethenamides from ynamide through halotrimethylsilane-mediated hydrohalogenation

pp 632–635

Kazuhiro Ohashi, Shigenori Mihara, Akihiro H. Sato, Masataka Ide, Tetsuo Iwasawa*

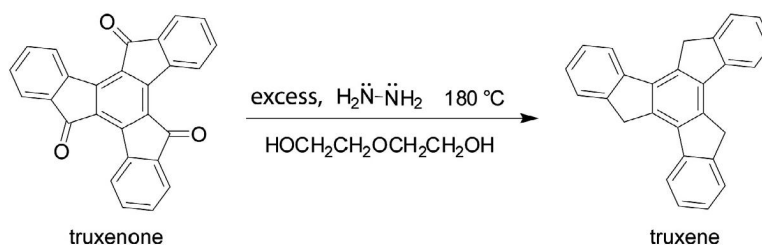


Simple synthesis of 1-haloethenamides was successfully achieved through the addition of in situ generated HX.

**A simple synthesis of truxene, a building block for optoelectronics and fullerene fragments**

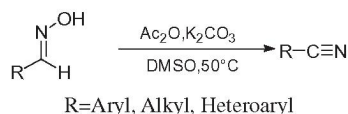
pp 636–638

Yaacov Netanel Oded, Israel Agranat*

**Ac₂O/K₂CO₃/DMSO: an efficient and practical reagent system for the synthesis of nitriles from aldoximes**

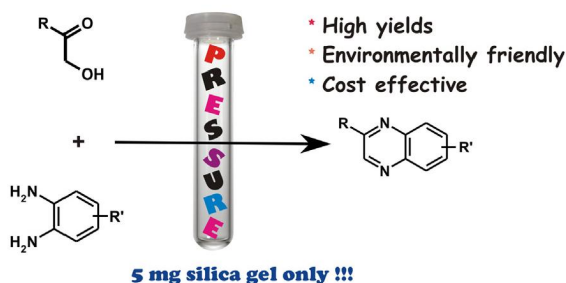
pp 639–641

Yaoping Song, Dongguo Shen, Qinghua Zhang, Bo Chen, Guangyu Xu*

**An environmentally friendly, cost effective synthesis of quinoxalines: the influence of microwave reaction conditions**

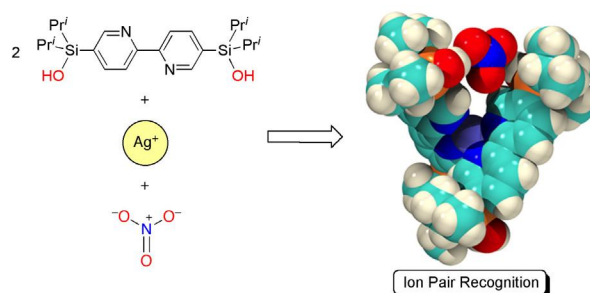
pp 642–645

Vineet Jeena, Ross S. Robinson*

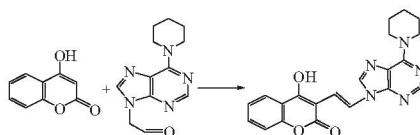


Ion pair recognition of ditopic receptor bearing silanol groups as anion recognition sites and a 2,2'-bipyridine moiety as a metal-coordination site pp 646–649

Masaki Yamamura*, Shin-ichi Kondo, Masafumi Unno*


Synthesis of 4-hydroxy-3-[(E)-2-(6-substituted-9H-purin-9-yl)vinyl]coumarins as lipoxygenase inhibitors pp 650–653

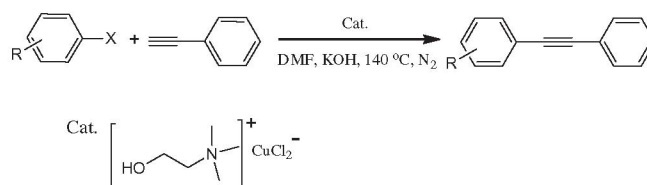
Michael G. Kallitsakis, Dimitra J. Hadjipavlou-Litina*, Aikaterini Peperidou, Konstantinos E. Litinas*



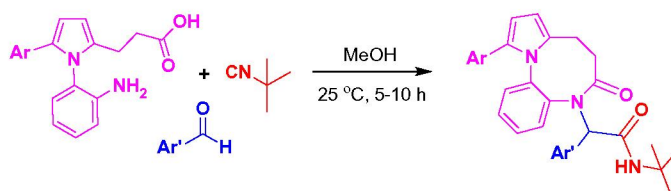
The synthesized compounds act as lipoxygenase inhibitors.


Choline chloride/CuCl as an effective homogeneous catalyst for palladium-free Sonogashira cross-coupling reactions pp 654–656

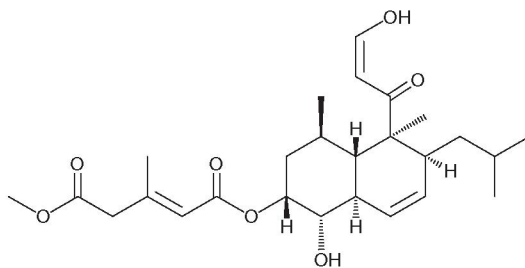
Abdol R. Hajipour*, Seyed Hadi Nazemzadeh, Fatemeh Mohammadsaleh


Ugi three-component coupling reaction for the synthesis of 2-(6-oxo-11-phenyl-7,8-dihydrobenzo[b]pyrrolo [1,2-d][1,4]diazocin-5(6H)-yl)-2-phenylacetamide derivatives pp 657–661

P. Lakshmi Reddy, D. Ashok Kumar, M. Lakshmi Devi, T. Veera Reddy, B. V. Subba Reddy*, R. Narender*

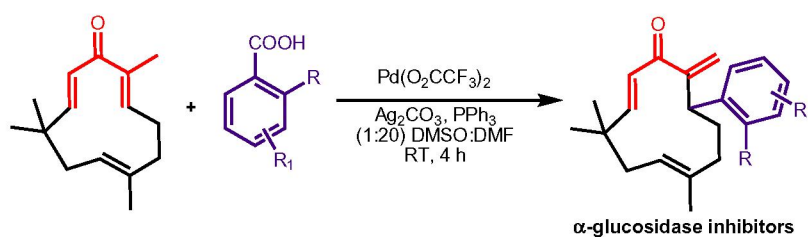


Tandyukisin, a novel ketoaldehyde decalin derivative, produced by a marine sponge-derived *Trichoderma harzianum* pp 662–664
 Takeshi Yamada*, Yuki Mizutani, Yoshihide Umabayashi, Naoko Inno, Maiko Kawashima, Takashi Kikuchi, Reiko Tanaka



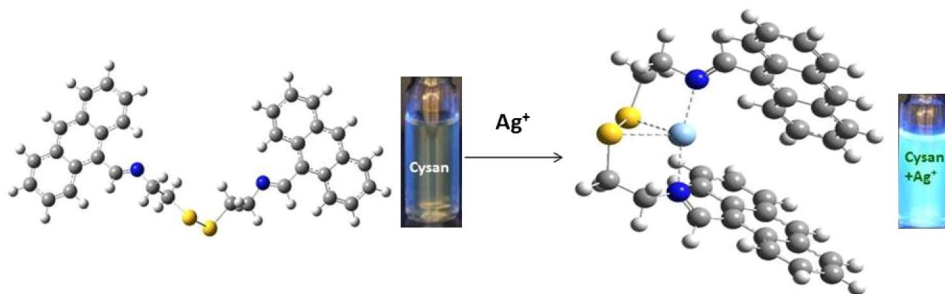
Synthesis of novel zerumbone derivatives via regioselective palladium catalyzed decarboxylative coupling reaction: a new class of α -glucosidase inhibitors pp 665–670

K. R. Ajish, B. P. Dhanya, Nayana Joseph, M. Priya Rani, K. G. Raghu, V. P. Vineetha, K. V. Radhakrishnan*



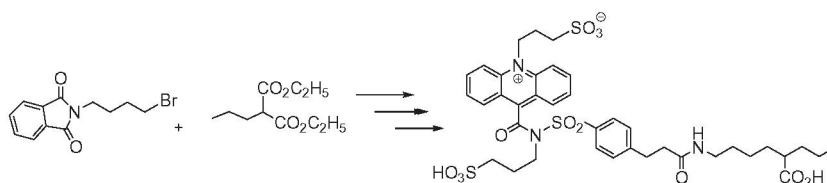
Colorimetric and turn-on fluorescence detection of Ag(I) ion pp 671–675

Thangaraj Anand, Gandhi Sivaraman, Palpandi Anandh, Duraisamy Chellappa*, Subbaiah Govindarajan



Methodology for the manufacturable synthesis of valproic acid conjugates pp 676–678

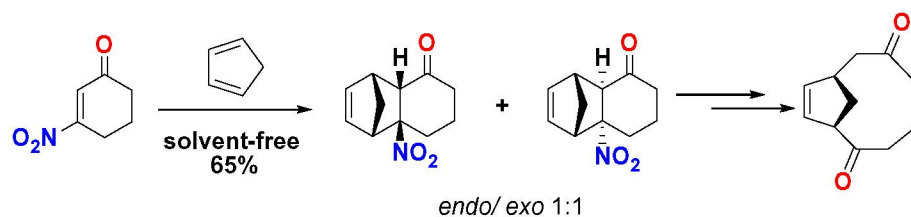
Jonathan Grote*, Yon-Yih Chen



Synthesis of the bicyclo[6.2.1]undecane ring system by a solvent-free Diels–Alder reaction

pp 679–681

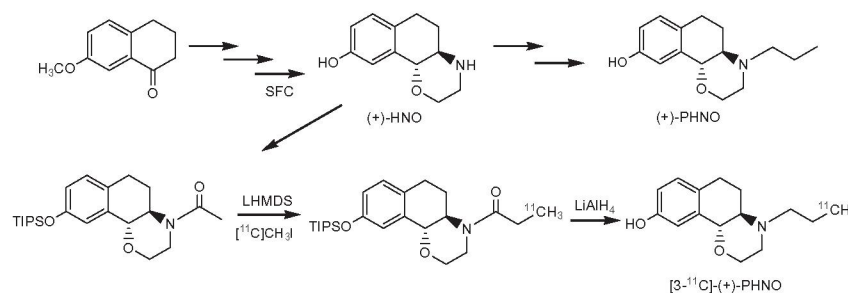
Adilson Beatriz*, Roberto da Silva Gomes, Mauricio Gomes Constantino, Gil Valdo José da Silva, Kleber Thiago de Oliveira



Synthesis of the dopamine D₂/D₃ receptor agonist (+)-PHNO via supercritical fluid chromatography: preliminary PET imaging study with [3-¹¹C]-(+)-PHNO

pp 682–685

Timothy M. Shoup, John P. McCauley, David F. Lee Jr., Rui Chen, Marc D. Normandin, Ali A. Bonab, Georges El Fakhri, Neil Vasdev*



Carbamidocyclophanes F and G with anti-*Mycobacterium tuberculosis* activity from the cultured freshwater cyanobacterium *Nostoc* sp.

pp 686–689

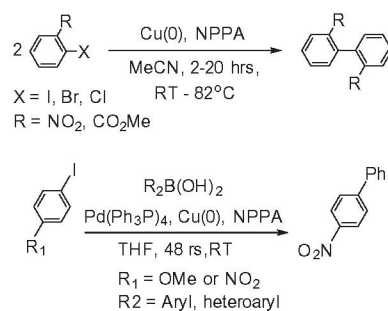
Shangwen Luo, Hahk-Soo Kang, Aleksej Kronic, George E. Chlipala, Geping Cai, Wei-Lun Chen, Scott G. Franzblau, Steven M. Swanson, Jimmy Orjala*



N-picolinamides as ligands for Ullmann-type homocoupling reactions

pp 690–693

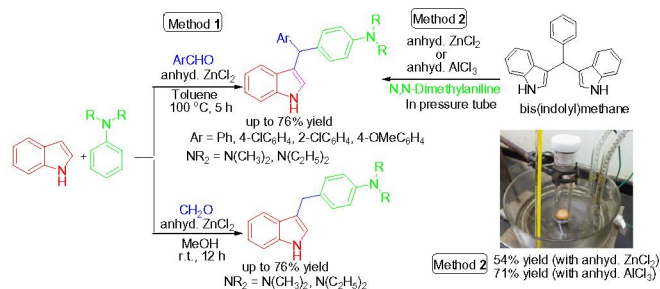
Fehmi Damkaci*, Esra Altay, Matthew Waldron, Michael A. Knopp, David Snow, Nicholas Massaro



ZnCl₂ promoted efficient, one-pot synthesis of 3-arylmethyl and diarylmethyl indoles

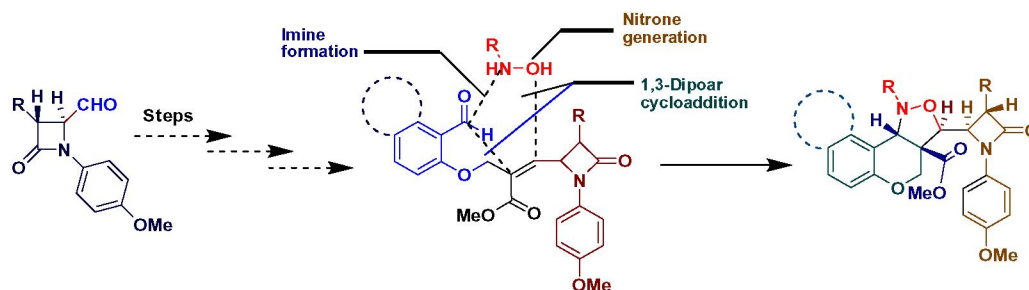
pp 694–698

Subramaniapillai Selva Ganesan*, Asaithampi Ganesan

**A tactical approach for the synthesis of novel β -lactam-substituted, polycyclic-fused isoxazolidine derivatives via an intramolecular [3+2] cycloaddition reaction**

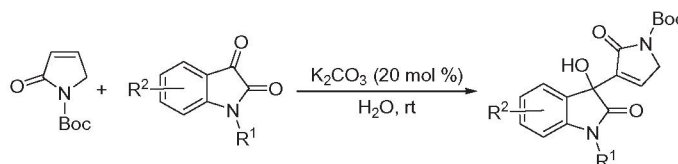
pp 699–705

R. Rajesh, M. Suresh, R. Raghunathan*

**Base-catalyzed reaction between isatins and *N*-Boc-3-pyrrolin-2-one**

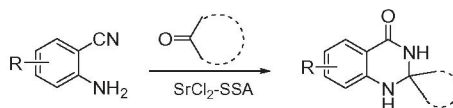
pp 706–709

Naresh Ramireddy, John C.-G. Zhao*

**Metal modified SSA as a heterogeneous catalyst to promote the cyclocondensation of *o*-aminobenzonitriles with cycloketones in water**

pp 710–712

Li Jun Zhang*, Jian Ling Yu, Wei Li Wang, Heng Li, Dan Dan Xu, Ya Dong Bi, Fu De Liu



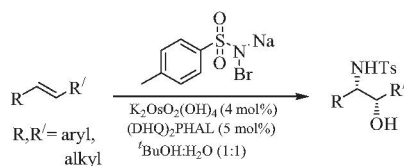
A novel solid catalyst based on silica sulfuric acid (SSA) was prepared. When SSA was treated with Lewis acids, metal ions can be easily immobilized on silica surface, which results in strengthened Lewis acidity. The novel solid catalyst was demonstrated to be efficient in promoting the cyclocondensation of *o*-aminobenzonitriles with cycloketones in water, and hence promising in the application of pharmaceutical study and production.



Bromamine-T as an efficient amine source for Sharpless asymmetric aminohydroxylation of olefins

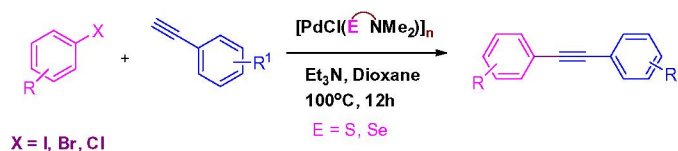
pp 713–715

Arun Jyoti Borah, Prodeep Phukan*

**Dimethylaminoalkyl chalcogenolate palladium(II) complexes as an efficient copper- and phosphine-free catalyst for Sonogashira reaction**

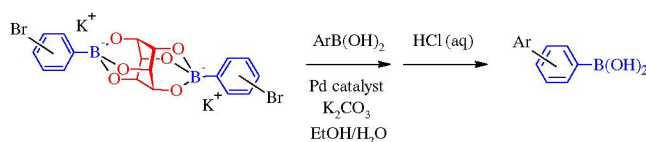
pp 716–719

Bhikan J. Khairnar, Sandip Dey, Vimal K. Jain, Bhalchandra M. Bhanage*

**Scyllo-inositol as a convenient protecting group for aryl boronic acids in Suzuki–Miyaura cross-coupling reactions**

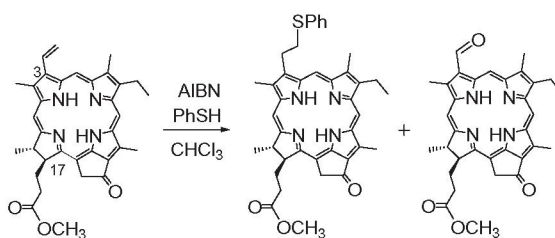
pp 720–724

Shinichi Kuno*, Tomoyuki Kimura, Masanori Yamaguchi

**Radical reaction of chlorophyll derivatives triggered by AIBN**

pp 725–727

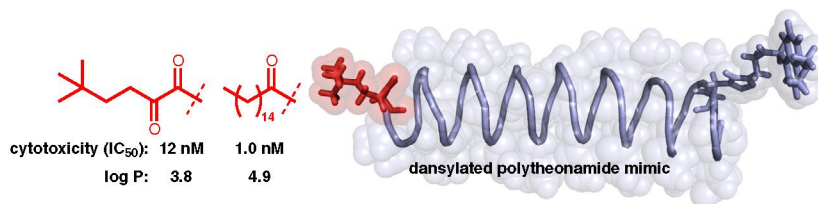
Toru Oba*, Yubi Tateno, Misaki Ihara, Takanori Fukusumi, Natsuki Takei, Satoshi Ito



Control of the cytotoxicity of dansylated polytheonamide mimic, an artificial peptide ion channel, by modification of the N-terminal structure

pp 728–731

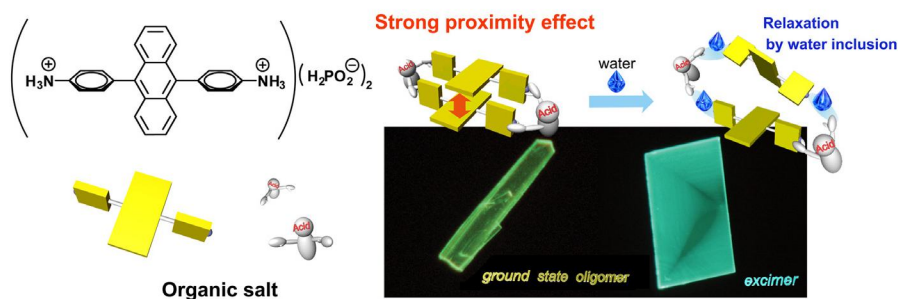
Hiroaki Itoh, Shoko Matsutaka, Takefumi Kuranaga, Masayuki Inoue*



Water inclusion as a trigger for modulation of anthracene arrangement and fluorescence emission of organic salt

pp 732–736

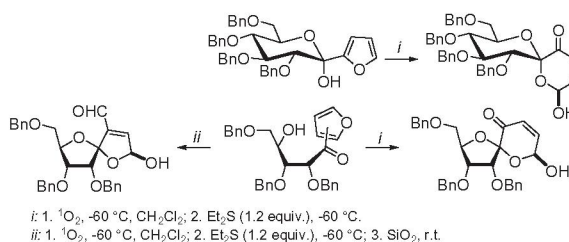
Misa Sugino, Keisuke Hatanaka, Tetsuya Miyano, Ichiro Hisaki, Mikiji Miyata, Aya Sakon, Hidehiro Uekusa, Norimitsu Tohnai*



Spiroketal of monosaccharides by dye-sensitized photooxygenation of furyl ketoses

pp 737–740

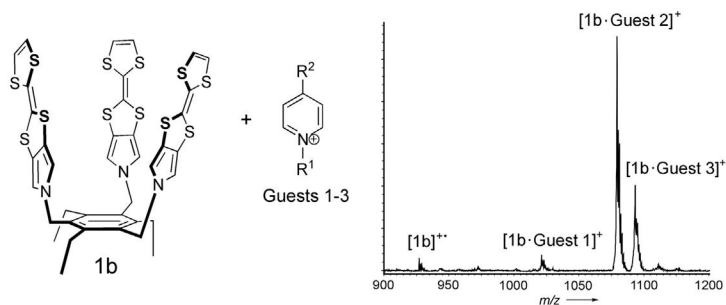
Flavio Cermola*, Rosalia Sferruzza, Maria Rosaria Iesce



Tripodal pyrrolotetrathiafulvalene receptors for recognition of electron-deficient molecular guests

pp 741–744

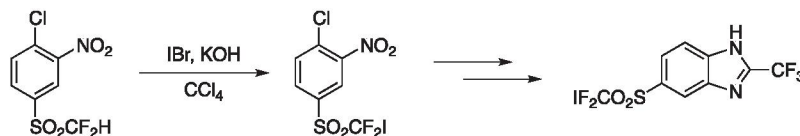
Michèle-Laure Lieunang Watat, Thomas Dülcks, Dorit Kemken, Vladimir A. Azov*



A novel method for the synthesis of aryl trihalomethyl sulfones and their derivatization: the search for new sulfone fungicides

pp 745–748

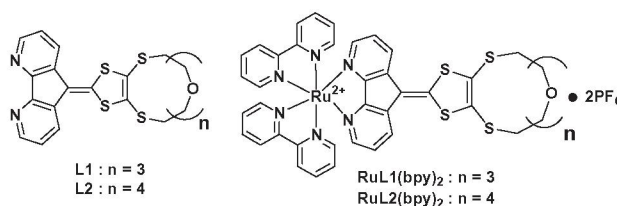
Maciej D. Korzyński, Krzysztof M. Borys, Justyna Białek, Zbigniew Ochal*



Synthesis and properties of novel crown ether-annellated 4,5'-diazza-9'-(1,3-dithiole-2-ylidene)-fluorenes and their ruthenium(II) complexes

pp 749–752

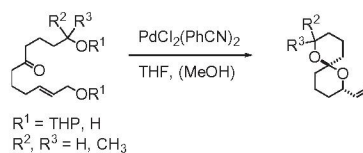
Katsuya Sako*, Toshiaki Kakehi, Shota Nakano, Hiroyuki Oku, Xu Feng Shen, Tetsuo Iwanaga, Manami Yoshikawa, Kouta Sugahara, Shinji Toyota, Hiroyuki Takemura, Teruo Shinmyozu, Michito Shiotsuka, Hitoshi Tatemitsu



Novel stereoselective synthesis of spiroketal structure using Pd(II)-catalyst

pp 753–756

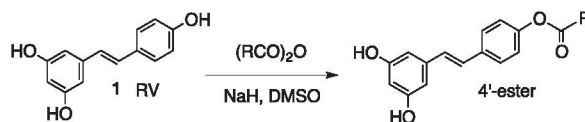
Masahiro Miyazawa*, Toru Eizawa, Shoko Yoshihara, Akinori Hatanaka, Hajime Yokoyama, Yoshiro Hirai*



Selective esterification of the polyphenol resveratrol at the 4'-position

pp 757–760

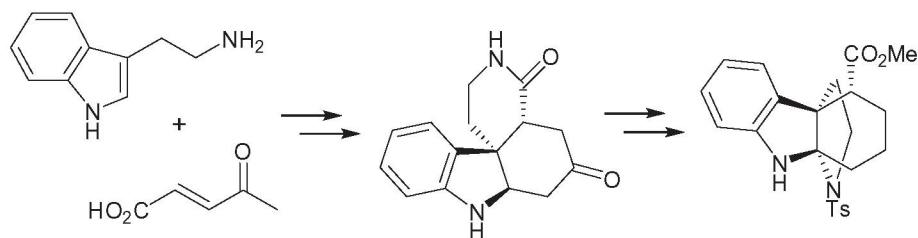
Mark J. Acerson, Merritt B. Andrus*



Synthesis of the polycyclic core of vincorine via cascade reactions

pp 761–763

Zhi-Wei Zhang, Jiong Yang*



*Corresponding author

Supplementary data available via ScienceDirect

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