

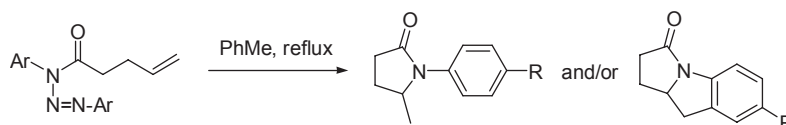
Contents

COMMUNICATIONS

Facile cyclization of amidyl radicals generated from *N*-acyltriazenes

pp 5983–5985

Hongjian Lu and Chaozhong Li*

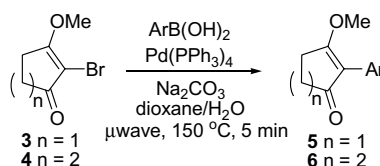


N-Acyltriazenes serve as a facile tin-free and initiator-free source of unsaturated amidyl radicals.

An efficient synthesis of 2-aryl-3-methoxy-2-cycloalkenones via Suzuki–Miyaura reaction under microwave irradiation

pp 5987–5990

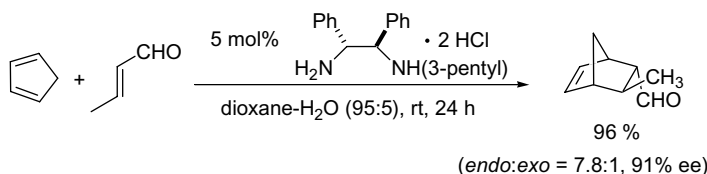
Young Seob Song, Bum Tae Kim and Jung-Nyoung Heo*



Organocatalysis using protonated 1,2-diamino-1,2-diphenylethane for asymmetric Diels–Alder reaction

pp 5991–5994

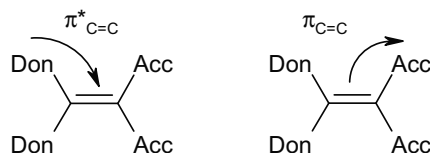
Kyoung Hoon Kim, Seil Lee, Dae-Woong Lee, Dong-Hyun Ko and Deok-Chan Ha*



Quantification of the *push–pull* effect in substituted alkenes

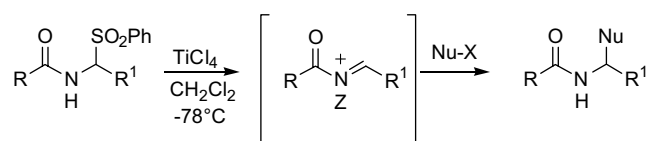
pp 5995–5997

Erich Kleinpeter* and Anja Schulenburg

**TiCl₄-promoted addition of nucleophiles to open chain α -amidoalkylphenyl sulfones**

pp 5999–6003

Marino Petrini* and Elisabetta Torregiani

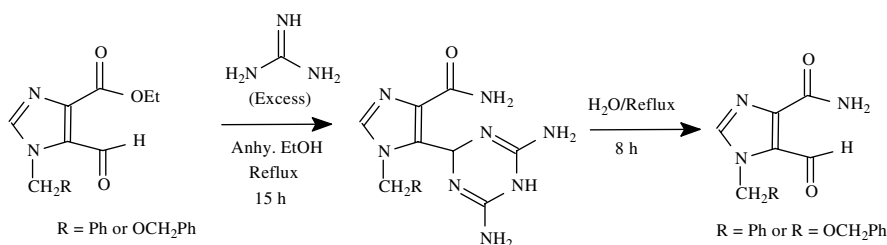


Linear α -amidoalkylphenyl sulfones are converted into the corresponding *N*-acyliminium ions by treatment with TiCl₄ at low temperature and then made to react with different nucleophiles such as allyltrimethylsilane, silyl ketene acetal, anisole and thiophene.

Selective functional group transformation using guanidine: the conversion of an ester group into an amide in vinylogous ester–aldehydes of imidazole

pp 6005–6009

Ravi K. Ujjinamatada and Ramachandra S. Hosmane*

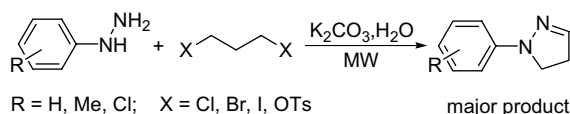


The selective conversion of an ester group into an amide in a vinylogous ester–aldehyde of imidazole has been reported.

Microwave-assisted cyclocondensation of hydrazine derivatives with alkyl dihalides or ditosylates in aqueous media: syntheses of pyrazole, pyrazolidine and phthalazine derivatives

pp 6011–6014

Yuhong Ju and Rajender S. Varma*

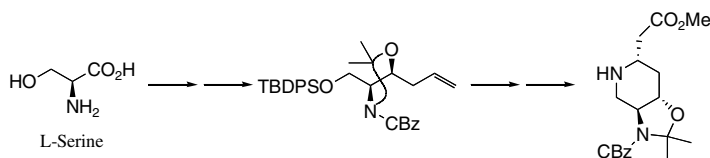


Direct microwave-assisted syntheses of 4,5-dihydro-pyrazole, pyrazolidine and 1,2-dihydro-phthalazine derivatives from hydrazines and alkyl dihalides or ditosylates were achieved in aqueous alkaline media.

A stereoselective approach to the synthesis of pseudodistomin D

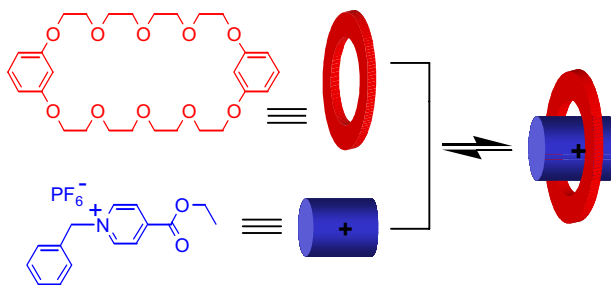
pp 6015–6017

Mansour Haddad,* Marc Larchevêque and Han Min Tong

**Bis(*m*-phenylene)-32-crown-10/monopyridinium [2]pseudorotaxanes**

pp 6019–6022

Feihe Huang, Carla Slebodnick, Amy E. Ratliff and Harry W. Gibson*

*i*⁺**A study on the species present in solutions of hypervalent iodine(III) reagents by electrospray ionization mass spectrometry**

pp 6023–6027

Luiz F. Silva Jr.* and Norberto P. Lopes

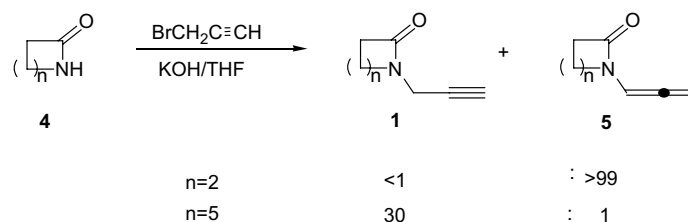
Species of PhI(OAc)₂ in MeOH:
most intense signal: [PhIOMe]⁺

Species of PhI(OAc)₂ in CH₃CN, in MeOH/H₂O, and in AcOH: Ac
[PhIO₂Ac]⁺, [PhIOAc]⁺, [PhI(OAc)₂K]⁺, [PhIO₂H]⁺ and Ph-I⁺(OAc)₂-Ph

On the base-induced isomerization of cyclic propargylamides to cyclic allenamides

pp 6029–6031

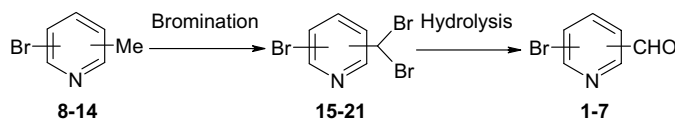
Israel Fenández, María I. Monterde and Joaquín Plumet*

*i*⁺

The expedient access to bromo-pyridine carbaldehyde scaffolds using *gem*-dibromomethyl intermediates

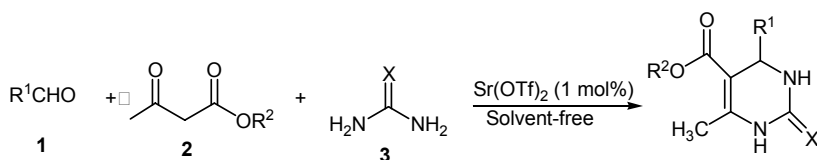
pp 6033–6036

Ashis Baran Mandal, John Kallikat Augustine, Anna Quattropiani and Agnes Bombrun*


One-pot synthesis of dihydropyrimidiones catalyzed by strontium(II) triflate under solvent-free conditions

pp 6037–6040

Weike Su,* Jianjun Li, Zhiguo Zheng and Yinchu Shen

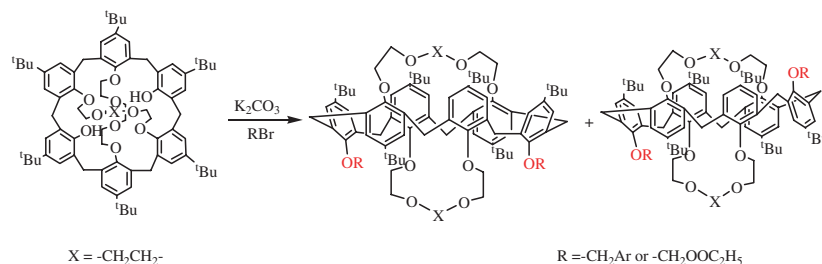


A simple, efficient and practical procedure for the Biginelli reaction using strontium(II) triflate [$\text{Sr}(\text{OTf})_2$] as a novel catalyst is described under solvent-free conditions in high yields. The catalyst exhibited remarkable reactivity and reusable activity. Some of the dihydropyrimidiones showed strong pesticidal activity.

Stereoisomerism and complexation behaviour of functionalized *p*-tert-calix[6]-1,4-2,5-biscrown-4

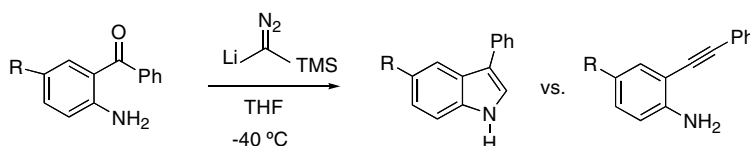
pp 6041–6044

Bing Guan, Shuling Gong, Xiaojun Wu and Yuanyin Chen*


Effect of solvent polarity on N–H insertion versus rearrangement of alkylidene carbenes

pp 6045–6047

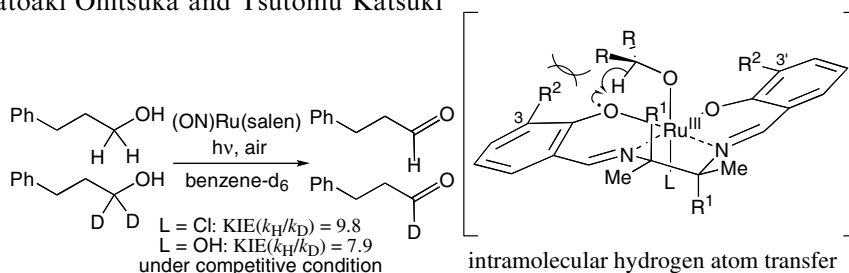
Douglass F. Taber* and Raymond A. Plepys



A reasonable explanation for the mechanism of photo-promoted chemoselective aerobic oxidation of alcohols using (ON)Ru(salen) complex as catalyst

pp 6049–6052

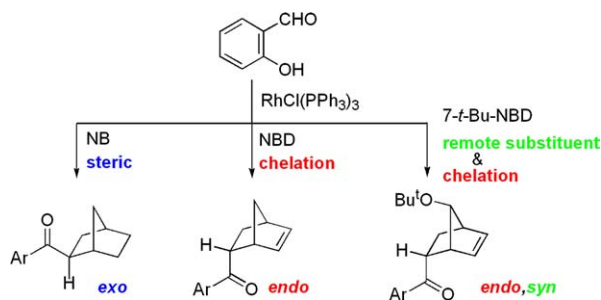
Hiromichi Egami, Satoaki Onitsuka and Tsutomu Katsuki*



Rh-catalyzed π -facial selective intermolecular hydroacylation of norbornenes

pp 6053–6056

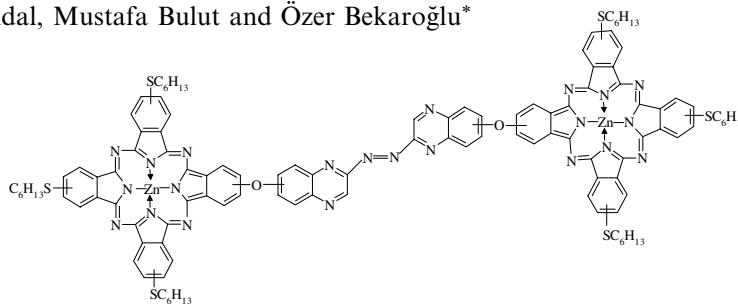
Keitaro Tanaka, Masakazu Tanaka* and Hiroshi Suemune*



Synthesis and characterization of a new *trans*-2,2'-azoquinoxaline bridged bisphthalocyanine

pp 6057–6061

Ümit Salan, Ahmet Altındal, Mustafa Bulut and Özer Bekaroğlu*

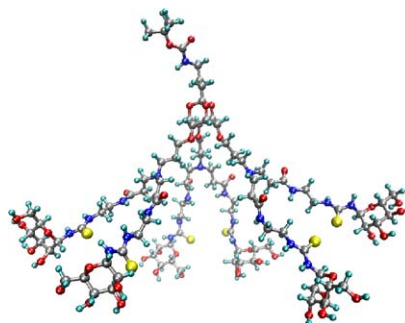


A new *trans*-2,2'-azoquinoxaline bridged bisphthalocyanine was synthesized from the corresponding quinoxaline-2(1*H*)-one oxime. Films of the product show up to 10³ orders of magnitude higher conductivity than other examples.

Syntheses of glycodendrimers having *scyllo*-inositol as the scaffold

pp 6063–6066

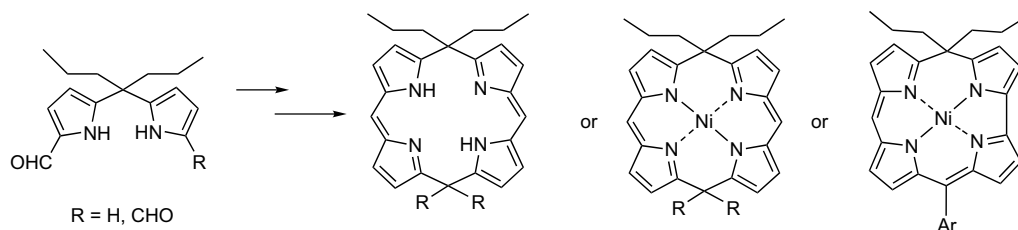
Nan-Young Lee, Woo-Jae Jang, Seok-Ho Yu, Jungkyun Im and Sung-Kee Chung*



5,5-Dialkyldipyrromethane as a precursor for the synthesis of calix[4]phyrins and pseudocorroles using MacDonald [2+2] condensations

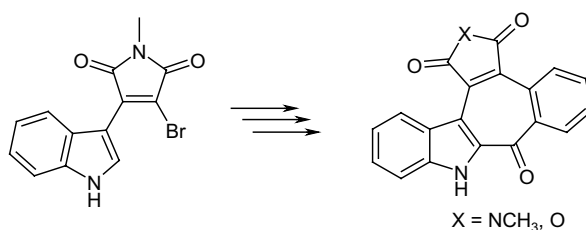
pp 6067–6070

Czeslawa Orlewska, Wouter Maes, Suzanne Toppet and Wim Dehaen*

**First efficient synthesis of novel oxophenyl-arcyriaflavin analogs**

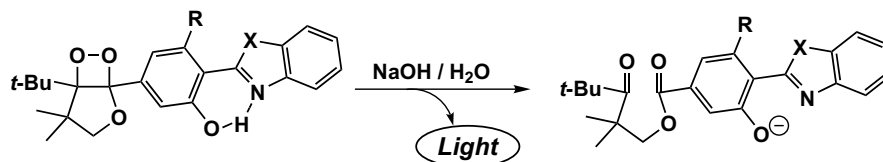
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Aur lie Bourderioux, Sylvain Routier,* Val rie B n teau and Jean-Yves M rour

**Bicyclic dioxetanes bearing a 4-(benzoazol-2-yl)-3-hydroxyphenyl moiety: chemiluminescence profile for base-induced decomposition in aprotic medium and in aqueous medium**

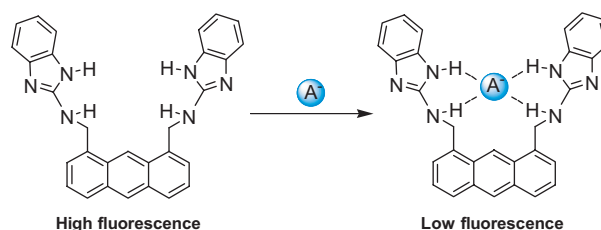
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Masakatsu Matsumoto,* Taichi Akimoto, Yuki Matsumoto and Nobuko Watanabe

**Fluorescent anion chemosensors using 2-aminobenzimidazole receptors**

pp 6079–6082

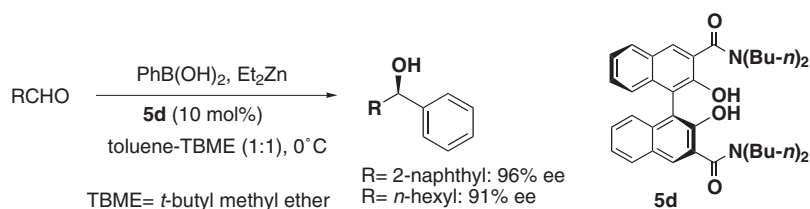
Jongmin Kang, Hyung Suk Kim and Doo Ok Jang*



Enantioselective phenyl transfer to aldehydes using 1,1'-bi-2-naphthol-3,3'-dicarboxamide as chiral auxiliary

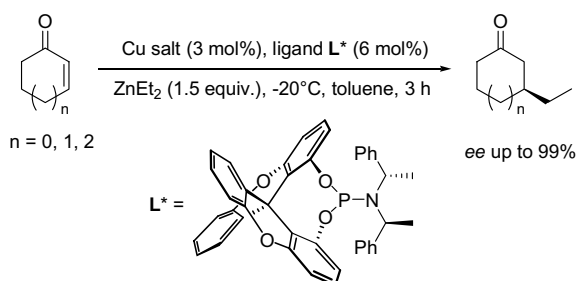
pp 6083–6086

Katsuji Ito,* Yuki Tomita and Tsutomu Katsuki*

**Highly enantioselective copper-catalyzed conjugate addition of diethylzinc to cyclic enones with spirocyclic phosphoramidite ligands**

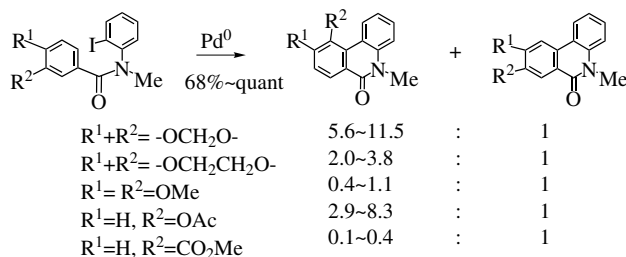
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Weicheng Zhang, Chun-Jiang Wang, Wenzhong Gao and Xumu Zhang*

**Effect of oxygen substituents on the regioselectivity of the Pd-assisted biaryl coupling reaction of benzanilides**

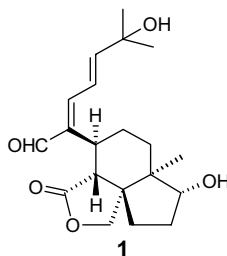
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Takashi Harayama,* Yuko Kawata, Chie Nagura, Tomonori Sato, Taeko Miyagoe, Hitoshi Abe and Yasuo Takeuchi

**Umbellactal, a novel diterpenoid from the Formosan soft coral *Xenia umbellata***

pp 6095–6096

Ali A. H. El-Gamal, Shang-Kwei Wang and Chang-Yih Duh*

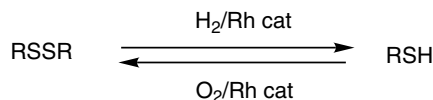


Umbellactal (**1**), isolated from the soft coral *Xenia umbellata*, is an unprecedented diterpenoid. The structure of umbellactal (**1**) was established by extensive analysis of spectroscopic data.

Oxidation/reduction interconversion of thiols and disulfides using hydrogen and oxygen catalyzed by a rhodium complex

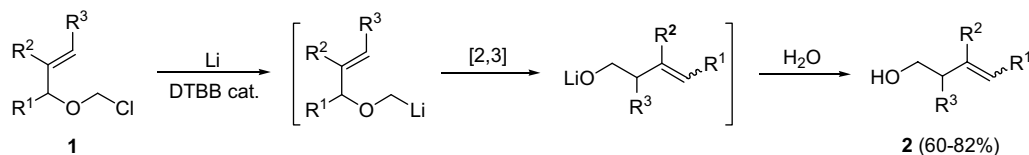
pp 6097–6099

Mieko Arisawa, Chiyoshi Sugata and Masahiko Yamaguchi*


[2,3]-Wittig rearrangement by a chlorine–lithium exchange

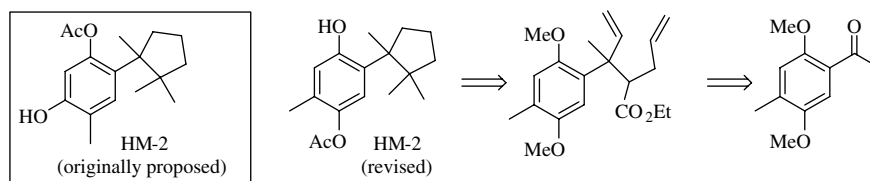
pp 6101–6104

Beatriz Maciá, Cecilia Gómez and Miguel Yus*


Total synthesis of HM-1 and HM-2, aromatic sesquiterpenes isolated from the phytopathogenic fungus *Helicobasidium mompa*. Structure revision of HM-2

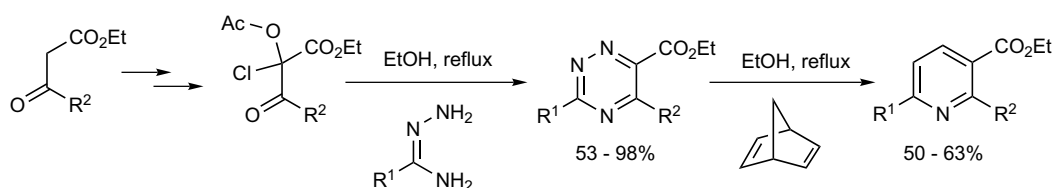
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A. Srikrishna* and P. C. Ravikumar


The preparation of 1,2,4-triazines from α,β -diketo-ester equivalents and their application in pyridine synthesis

pp 6111–6113

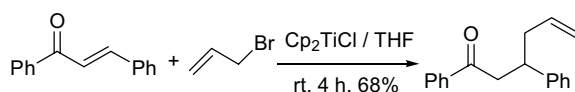
Marta Altuna-Urquijo, Stephen P. Stanforth* and Brian Tarbit



Free radical-promoted conjugate addition of activated bromo compounds using titanocene(III) chloride as the radical initiator

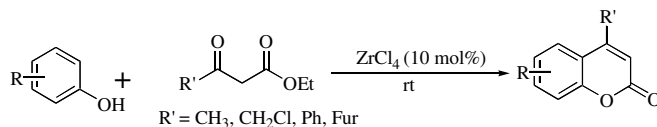
pp 6115–6117

Samir Kumar Mandal, Samaraesh Jana and Subhas Chandra Roy*

**An efficient ZrCl_4 catalyzed one-pot solvent free protocol for the synthesis of 4-substituted coumarins**

pp 6119–6121

G. V. M. Sharma,* J. Janardhan Reddy, P. Sree Lakshmi and P. Radha Krishna

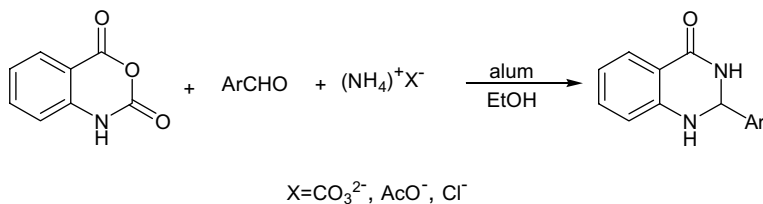


A versatile and efficient route to 4-substituted coumarins via a Pechmann reaction using ZrCl_4 (10 mol %) as the catalyst is described.

Efficient synthesis of mono- and disubstituted 2,3-dihydroquinazolin-4(1H)-ones using $\text{KAl}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$ as a reusable catalyst in water and ethanol

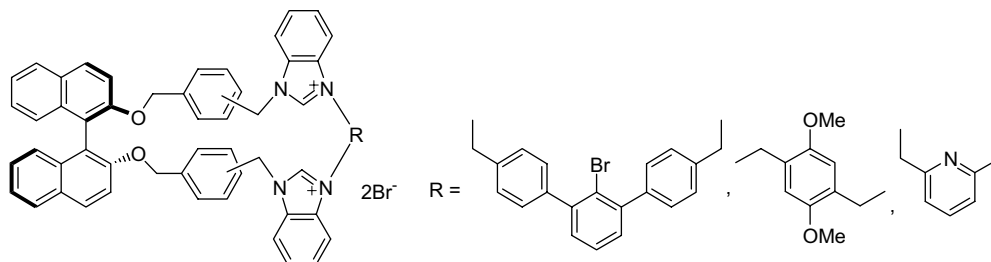
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Minoo Dabiri,* Peyman Salehi, Somayeh Otokesh, Mostafa Baghbanzadeh, Gholamreza Kozehgary and Ali A. Mohammadi

**Synthesis and structural characterization of chiral dicationic imidazolophanes**

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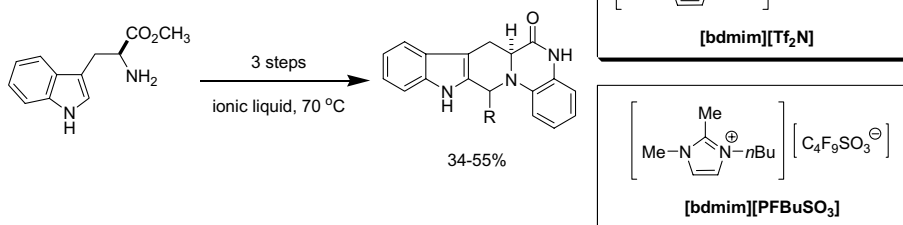
Perumal Rajakumar,* Subramaniyan Selvam and Manickam Dhanasekaran



Synthesis of fused tetrahydro- β -carbolinequinoxalinones in 1-*n*-butyl-2,3-dimethylimidazolium bis(trifluoromethylsulfonyl)imide ([bdmim][Tf₂N]) and 1-*n*-butyl-2,3-dimethylimidazolium perfluorobutylsulfonate ([bdmim][PFBuSO₃]) ionic liquids

pp 6131–6136

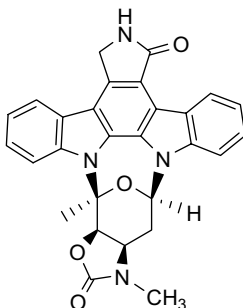
Ming-Chung Tseng, Yang-Min Liang and Yen-Ho Chu*



ZHD-0501, a novel naturally occurring staurosporine analog from *Actinomadura* sp. 007

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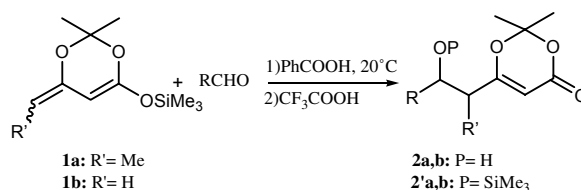
Xiao-Xian Han, Cheng-Bin Cui,* Qian-Qun Gu, Wei-Ming Zhu, Hong-Bing Liu, Jing-Yan Gu and Hiroyuki Osada



Solvent-free Mukaiyama aldol reaction of *O*-silyl dienolates catalyzed by benzoic acid

pp 6141–6144

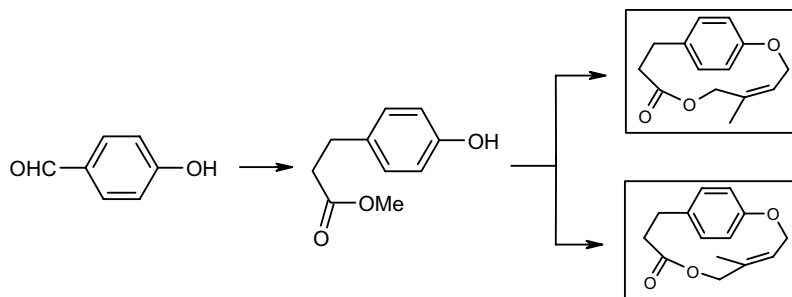
Maria Rosaria Acocella, Antonio Massa, Laura Palombi, Rosaria Villano and Arrigo Scettri*



Synthetic studies toward pondaplin: total synthesis of pondaplin analogues

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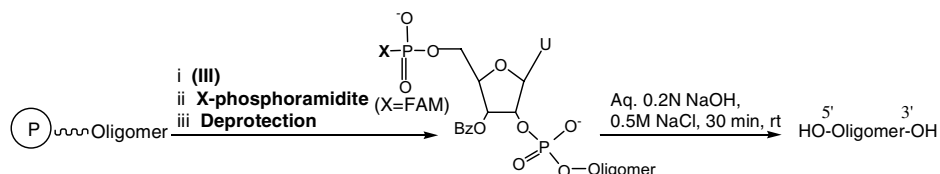
Gowravaram Sabitha,* R. Swapna, R. Satheesh Babu and J. S. Yadav



Synthesis of labeled oligonucleotides through a new chemically cleavable linker

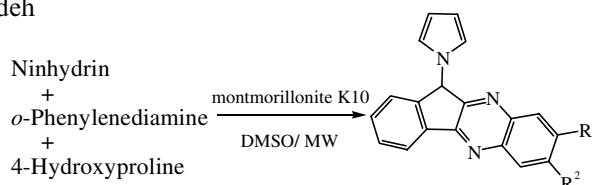
pp 6149–6153

S. Mahajan, S. Patnaik, R. P. Gandhi, K. C. Gupta* and P. Kumar*

**A synthetic route to 11-(1*H*-pyrrol-1-yl)-11*H*-indeno[1,2-*b*]quinoxaline derivatives exploiting a three-component coupling strategy under microwave irradiation**

pp 6155–6157

Javad Azizian,* Ali Reza Karimi, Zahra Kazemizadeh, Ali A. Mohammadi and Mohammad R. Mohammadzadeh

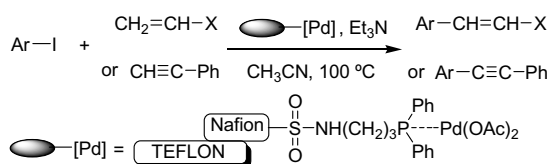


11*H*-Indeno[1,2-*b*]quinoxalin-11-ones generated in situ from ninhydrin and various 1,2-phenylenediamines, catalysed by montmorillonite K10 under microwave irradiation, condense with 4-hydroxyproline to produce 11-(1*H*-pyrrol-1-yl)-11*H*-indeno[1,2-*b*]quinoxaline derivatives in good yields.

Preparation of a Nafion–Teflon bimembrane-supported palladium catalyst and its use in the Heck reaction

pp 6159–6162

Yangzhou Li, Zhiming Li, Feng Li, Quanrui Wang* and Fenggang Tao

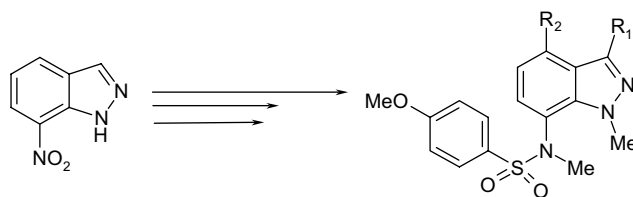


A novel palladium catalyst supported on the Nafion–Teflon bimembrane has been prepared. The catalyst exhibits high activity and stability in the Heck arylation reactions of aryl iodides with olefins and Sonogashira couplings with phenylacetylene.

Synthesis of 4-substituted and 3,4-disubstituted indazole derivatives by palladium-mediated cross-coupling reactions

pp 6163–6167

Saïd El Kazzouli, Latifa Bouissane, Mostafa Khouili and Gérald Guillaumet*



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*Corresponding author

* Supplementary data available via ScienceDirect



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