

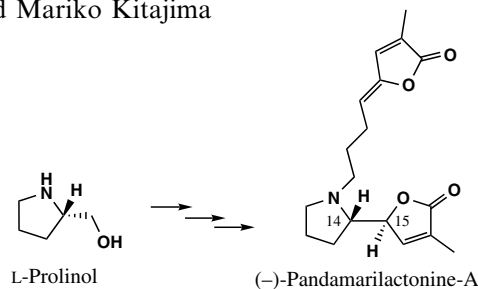
Contents

COMMUNICATIONS

Determination of absolute configuration of *Pandanus* alkaloid, pandamarilactonine-A, by first asymmetric total synthesis

pp 5795–5797

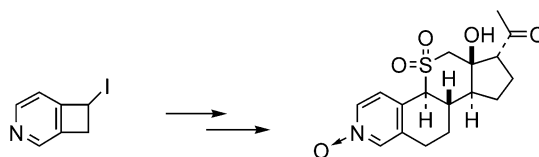
Hiromitsu Takayama,* Rie Sudo and Mariko Kitajima



First total synthesis of 3-aza-11-thia-1,3,5(10)-trieno steroids

pp 5799–5801

Khalid Oumzil, Malika Ibrahim-Ouali* and Maurice Santelli*

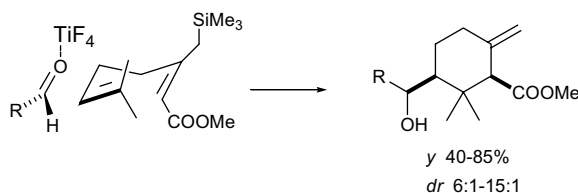


A novel route to 3-aza-11-thia-1,3,5(10)-trieno steroids is described.

TiF₄-mediated biomimetic alkylation–cyclization cascade reaction of 2-trimethylsilylmethyl-1,5-dienes with aldehydes

pp 5803–5806

Luigi Anastasia, Elios Giannini, Giuseppe Zanoni and Giovanni Vidari*

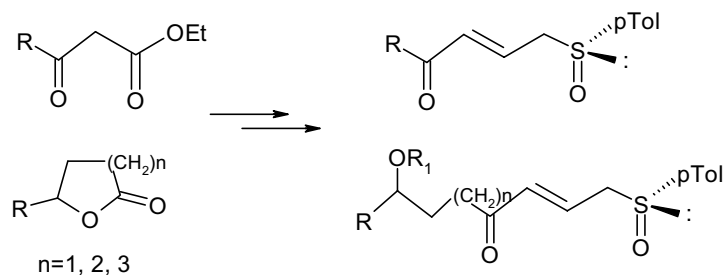


Titanium tetrafluoride promotes the addition of aldehydes to 2-trimethylsilylmethyl-1,5-dienes with concomitant biomimetic cyclization, affording 1,3-*cis*-disubstituted methylenecyclohexanes in good yields and high selectivity.

Preparation of enantiomerically pure (*E*)- β -sulfinylenones from β -ketoesters

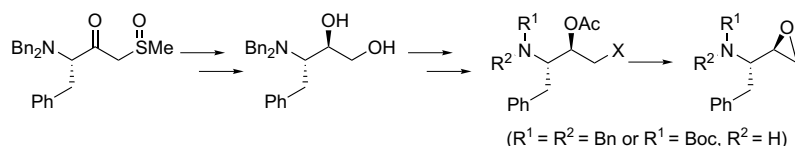
pp 5807–5810

Naïma Khiri, Amandine Lefranc, Guy Solladié and Gilles Hanquet*

**An efficient synthesis of *N*-protected *threo* (2*R*,3*S*)-3-amino-1,2-epoxy phenylbutane**

pp 5811–5814

Takayuki Suzuki, Yutaka Honda and Kunisuke Izawa*

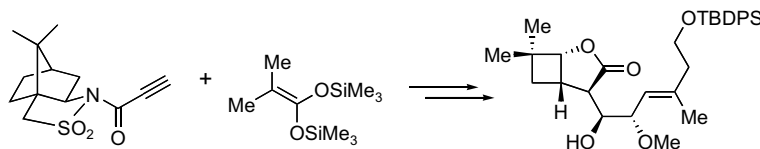


Synthesis of *threo* aminoalkyl epoxides involving Pummerer rearrangement of amino keto sulfoxide followed by highly diastereoselective reduction and stereospecific epoxidation.

Synthetic studies of pestalotiopsin A: asymmetric synthesis of the 2-oxabicyclo[3.2.0]heptane substructure

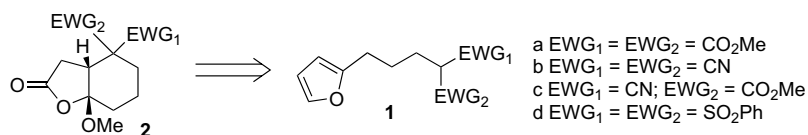
pp 5815–5818

Ken-ichi Takao, Hiroshi Saegusa, Tomohiro Tsujita, Takenori Washizawa and Kin-ichi Tadano*

**The furan approach to carbocyclic systems. Synthesis of cyclohexane derivatives from butenolides through an intramolecular Michael addition**

pp 5819–5822

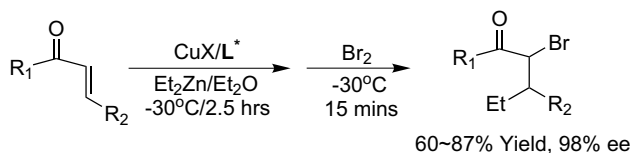
Generosa Gómez, Hilda Rivera, Isela García, Laura Estévez and Yagamare Fall*



Copper catalyzed asymmetric conjugate addition-bromination of α,β -unsaturated ketones: a highly efficient one-pot reaction for the synthesis of chiral α -bromo- β -alkylketones

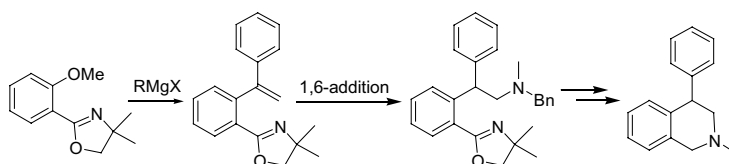
pp 5823–5826

Kangying Li and Alexandre Alexakis*

**Oxazoline as a useful tool in organic synthesis: preparation of 4-aryl-1,2,3,4-tetrahydroisoquinoline alkaloid skeleton**

pp 5827–5830

Julio A. Seijas,* M. Pilar Vázquez-Tato,* M. Montserrat Martínez and Moacir G. Pizzolatti

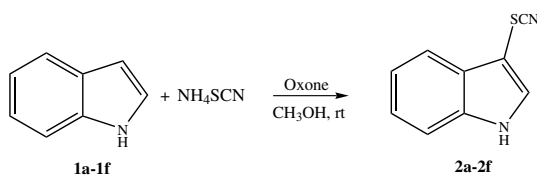


Key steps are based on oxazoline chemistry: nucleophilic substitution in an *ortho*-methoxyphenyloxazoline and a 1,6-conjugate addition to *o*-styrylphenyloxazoline.

Regioselective thiocyanation of aromatic and heteroaromatic compounds using ammonium thiocyanate and oxone

pp 5831–5834

Guaili Wu, Qiang Liu, Yinglin Shen, Wentao Wu and Longmin Wu*



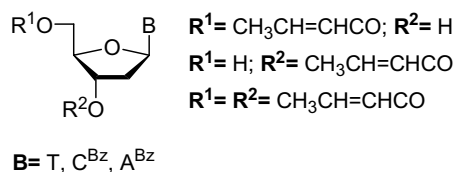
isolated yield of the products up to 98%

Indoles, pyrrole, aromatic amino compounds and 2-methoxycarbazole have been regioselectively thiocyanated using ammonium thiocyanate as a thiocyanation reagent and oxone as an oxidant.

Novel and efficient regioselective enzymatic approach to 3'-, 5'- and 3',5'-di-*O*-crotonyl 2'-deoxynucleoside derivatives

pp 5835–5838

Alba Díaz-Rodríguez, Susana Fernández, Iván Lavandera, Miguel Ferrero and Vicente Gotor*



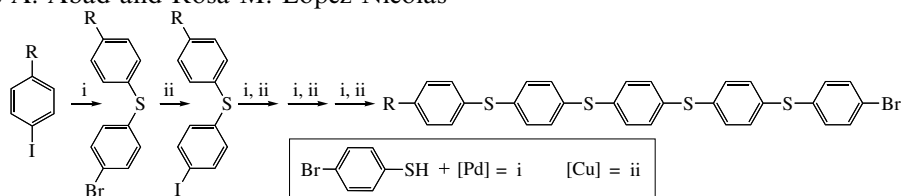
Regioselective syntheses of several *O*-crotonyl 2'-deoxynucleoside derivatives have been efficiently achieved using a biocatalytic methodology.



A new approach to the synthesis of oligomers. Application to the synthesis of *p*-phenylene thioether wires

pp 5839–5840

José Vicente,* José A. Abad and Rosa M. López-Nicolás



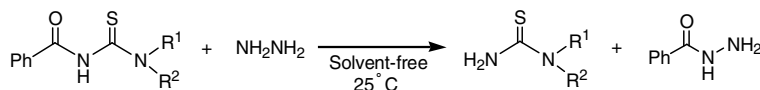
Oligothioethers $4\text{-RC}_6\text{H}_4(\text{SC}_6\text{H}_4\text{-}4)_n\text{X}$ ($n = 1\text{--}3$; $\text{X} = \text{Br}, \text{I}$; $\text{R} = \text{NO}_2$. $n = 1\text{--}3$; $\text{X} = \text{Br}$; $\text{R} = \text{MeO}$. $n = 1$ and 2 ; $\text{X} = \text{I}$; $\text{R} = \text{MeO}$. $n = 4$; $\text{X} = \text{Br}$; $\text{R} = \text{NO}_2$) have been prepared through a process involving (i) palladium-catalyzed C–S coupling between $4\text{-RC}_6\text{H}_4(\text{SC}_6\text{H}_4\text{-}4)_{n-1}\text{I}$ and $4\text{-BrC}_6\text{H}_4\text{SH}$ to give $4\text{-RC}_6\text{H}_4(\text{SC}_6\text{H}_4\text{-}4)_n\text{Br}$ and (ii) copper-catalyzed replacement of Br by I.



A convenient and efficient method for the synthesis of mono- and *N,N*-disubstituted thioureas

pp 5841–5843

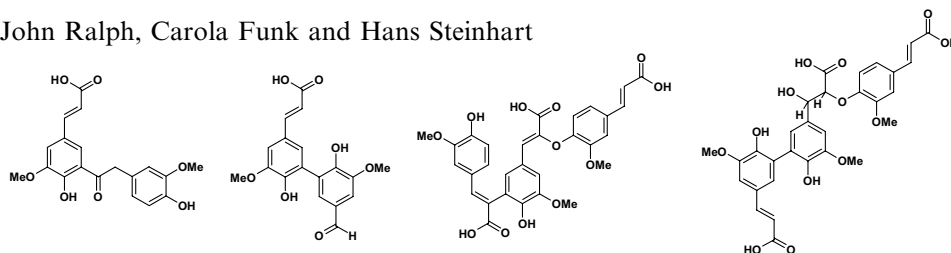
Mitsuo Kodomari,* Masato Suzuki, Keiko Tanigawa and Tadashi Aoyama



Structural elucidation of new ferulic acid-containing phenolic dimers and trimers isolated from maize bran

pp 5845–5850

Mirko Bunzel,* John Ralph, Carola Funk and Hans Steinhart

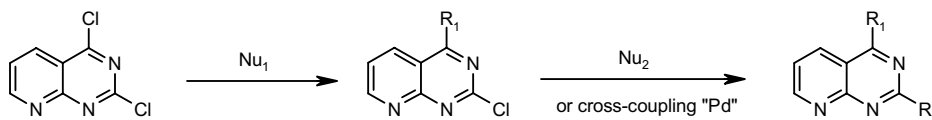


The structures of four new phenolic dimers and trimers that contain ferulic acid moieties isolated from maize bran fiber were established by 1D/2D NMR and mass spectrometry. The trimers were found to expand the number of products potentially involved in cell wall cross-linking whereas the biological role of the dimers partially remains uncertain.

Selective bifunctionalization of pyrido[2,3-*d*]pyrimidines in positions 2 and 4 by $\text{S}_{\text{N}}\text{Ar}$ and palladium-catalyzed coupling reactions

pp 5851–5855

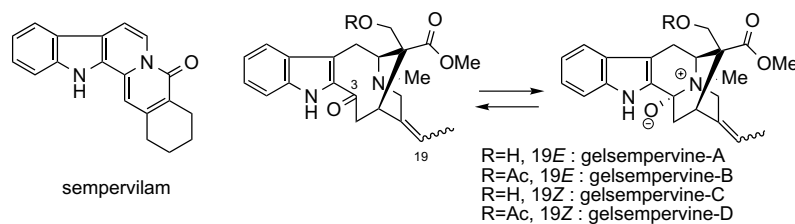
G. Lavecchia, S. Berteina-Raboin* and G. Guillaumet



Six new indole alkaloids from *Gelsemium sempervirens* Ait. f.

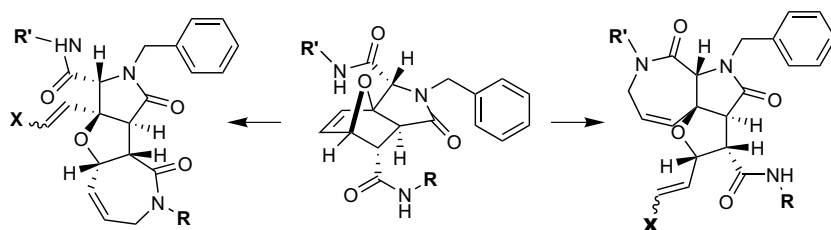
pp 5857–5861

Noriyuki Kogure, Chika Nishiya, Mariko Kitajima and Hiromitsu Takayama*

**Simultaneous accumulation of both skeletal and appendage-based diversities on tandem Ugi/Diels–Alder products**

pp 5863–5866

Masato Oikawa,* Minoru Ikoma and Makoto Sasaki

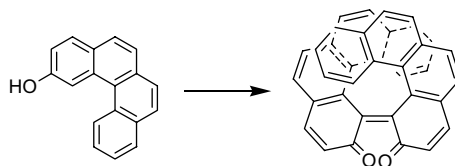


By means of diversity-oriented organic synthesis, a 7-oxanorbornene skeleton was transformed into two different skeletons efficiently.

Novel synthesis of a unique helical quinone derivative by coupling reaction of 2-hydroxybenzo[*c*]phenanthrene

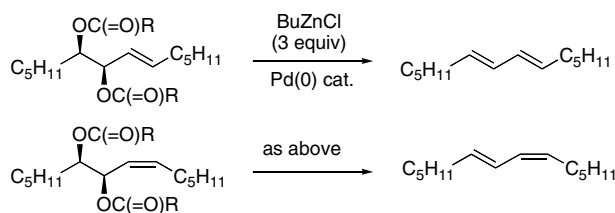
pp 5867–5869

Michinori Karikomi,* Mari Yamada, Yasushi Ogawa, Hirohiko Houjou, Katsura Seki, Kazuhisa Hiratani, Kazuo Haga and Tadao Uyehara

**Palladium-catalyzed and organozinc-promoted synthesis of dienes from allylic esters possessing an acyloxy or alkoxy group**

pp 5871–5875

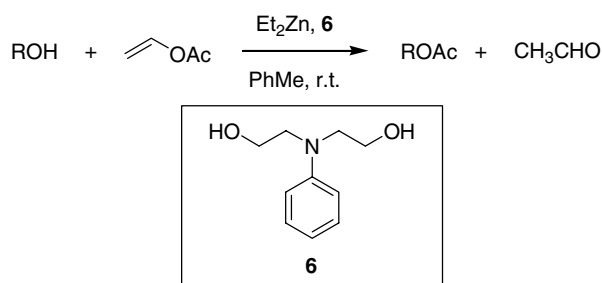
Hatsuhiko Hattori, Masahiro Katsukawa and Yuichi Kobayashi*



Transesterification of various alcohols with vinyl acetate under mild conditions catalyzed by diethylzinc using *N*-substituted diethanolamine as a ligand

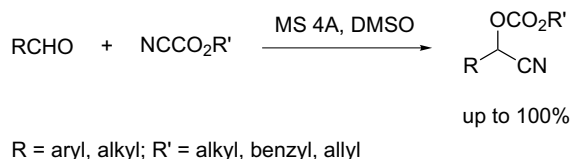
pp 5877–5879

Yoshiaki Shirae, Takashi Mino,* Tae Hasegawa, Masami Sakamoto and Tsutomu Fujita


Catalyst-free DMSO-promoted synthesis of cyanohydrin carbonates from aldehydes

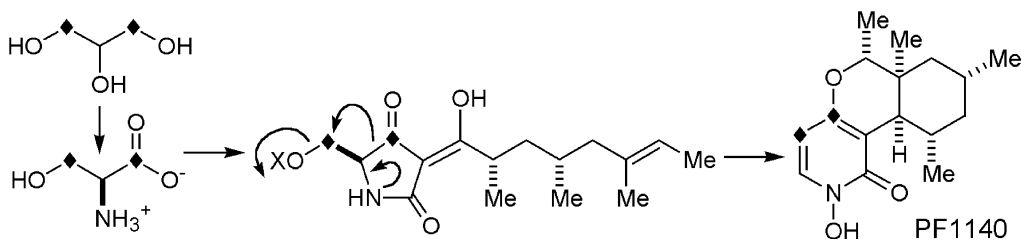
pp 5881–5883

Katsuyuki Iwanami, Yumi Hinakubo and Takeshi Oriyama*


Biosynthetic studies on the antibiotics PF1140: a novel pathway for a 2-pyridone framework

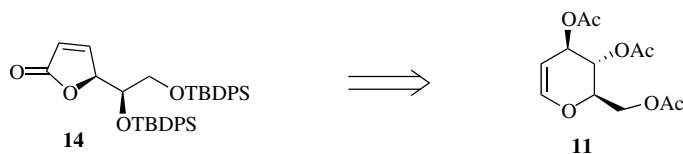
pp 5885–5888

Yuta Fujita, Hiroki Oguri and Hideaki Oikawa*


The furan approach to oxacycles. Part 5: Synthesis of a chiral butenolide, building block towards biologically interesting natural products

pp 5889–5892

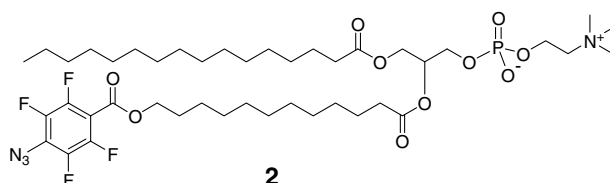
Marta Teijeira, Pedro Lois Suárez, Generosa Gómez, Carmen Terán and Yagamare Fall*



Synthesis of a photoactivatable phospholipidic probe containing tetrafluorophenylazide

pp 5893–5897

Qing Peng, Yi Xia, Fanqi Qu, Xiaojun Wu, Daniel Campese and Ling Peng*

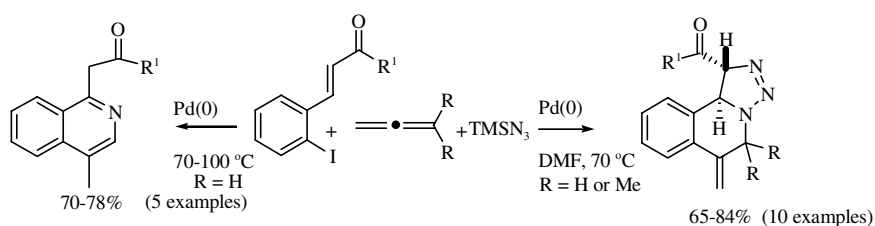


A phospholipidic probe having the photoactivatable tetrafluorophenylazido group incorporated into the fatty acid chain was synthesized and characterized with a view to studying the lipid–lipid and lipid–protein interactions using a photolabeling approach.

Synthesis of triazolo- and tetrazolo-tetrahydroisoquinolines and isoquinolines via temperature controlled palladium catalysed allene/azide incorporation/intramolecular 1,3-dipolar cycloaddition cascades

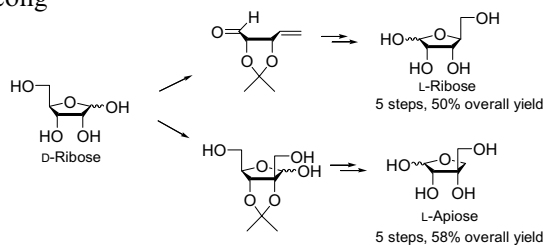
pp 5899–5902

Xinjie Gai, Ronald Grigg,* Shuleewan Rajviroongit, Saiphon Songarsa and Visuvanathar Sridharan

**A highly efficient synthesis of unnatural L-sugars from D-ribose**

pp 5903–5905

Mikyung Yun, Hyung Ryong Moon,* Hea Ok Kim, Won Jun Choi, Yong-Chul Kim, Chul-Seung Park and Lak Shin Jeong*

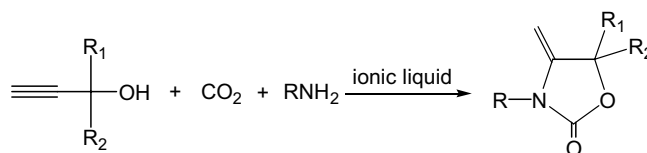


A preparative and short synthesis of L-ribose and L-apiose was accomplished starting from D-ribose via stereoselective *cis*-dihydroxylation and C2-hydroxymethylation, respectively.

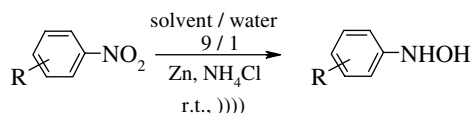
Efficient and eco-friendly process for the synthesis of N-substituted 4-methylene-2-oxazolidinones in ionic liquids

pp 5907–5911

Qinghua Zhang, Feng Shi, Yanlong Gu, Jing Yang and Youquan Deng*

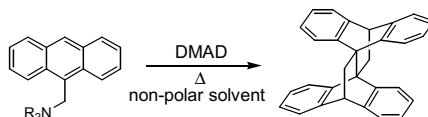


Ultrasonically activated reduction of substituted nitrobenzenes to corresponding *N*-arylhydroxylamines pp 5913–5917
Stéphane Ung, Annie Falguières, Alain Guy and Clotilde Ferroud*

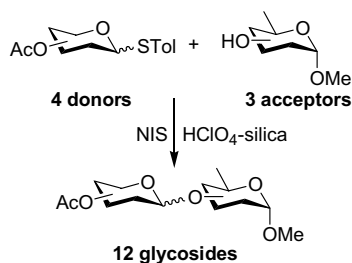


An ultrasonic activation using zinc dust allows an efficient conversion in quite quantitative yields in few minutes.

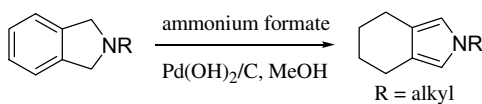
A novel electron-transfer mediated reaction leading to lepidopterene pp 5919–5922
Jean J. Vadakkan, Rekha R. Mallia, Sreedharan Prathapan, Nigam P. Rath and Perupparampil A. Unnikrishnan*



Glycosylation reactions with ‘disarmed’ thioglycoside donors promoted by *N*-iodosuccinimide and HClO₄–silica pp 5923–5925
Balaram Mukhopadhyay, Beatrice Collet and Robert A. Field*



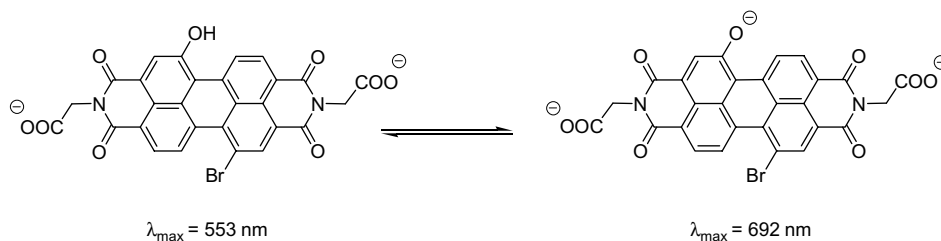
New formation of 4,5,6,7-tetrahydroisoindoles pp 5927–5929
Duen-Ren Hou,* Yih-Dar Hsieh and Yi-Wei Hsieh



Modulation of internal charge transfer (ICT) in a bay region hydroxylated perylene-3,4,9,10-tetracarboxylic diimide (PDI) chromophore: a chromogenic chemosensor for pH

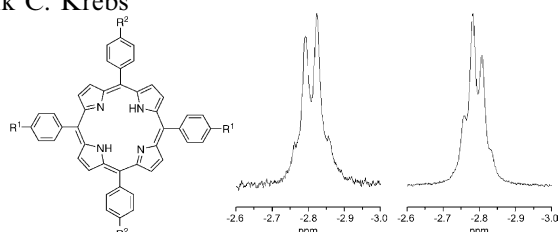
pp 5931–5933

Funda Yukruk and Engin U. Akkaya*

**Aspects of investigating scrambling in the synthesis of porphyrins: different analytical methods**

pp 5935–5939

Christian B. Nielsen* and Frederik C. Krebs

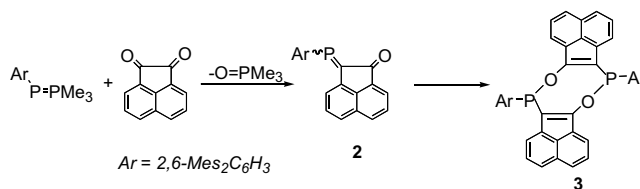


The porphyrin skeleton with a *trans*-A₂B₂ substitution pattern and *NH*-regions of ¹H NMR spectra for mixtures of porphyrins. Each spectrum is recorded for a mixture of porphyrins and clearly show that the *NH* resonances depend on the *meso*-substituent. In comparison to other analytical methods used (e.g. HPLC and X-ray), the NMR method is superior for looking at product distributions from porphyrin synthesis.

**A cyclic diphosphinite by a formal [4+4] cycloaddition reaction of β-phosphaenone**

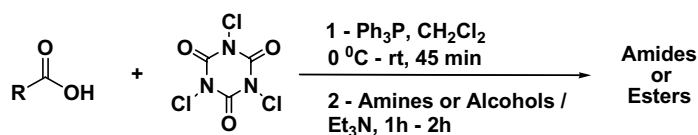
pp 5941–5944

Xufang Chen, Weizhong Chen, Tong Ren and John D. Protasiewicz*

**Mild one-pot conversion of carboxylic acids to amides or esters with Ph₃P/trichloroisocyanuric acid**

pp 5945–5947

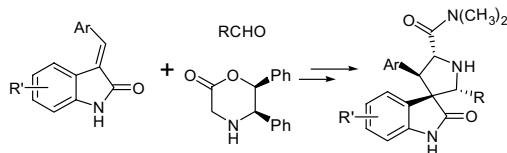
Rogério da C. Rodrigues, Igor M. A. Barros and Edson L. S. Lima*



Synthesis of spirooxindoles via asymmetric 1,3-dipolar cycloaddition

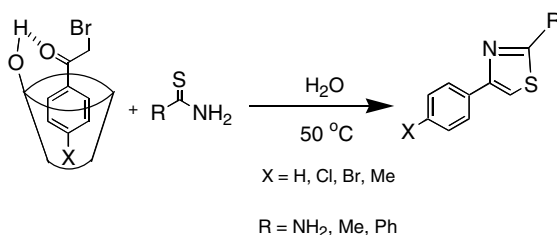
pp 5949–5951

Ke Ding, Guoping Wang, Jeffrey R. Deschamps, Damon A. Parrish and Shaomeng Wang*

**Aqueous phase synthesis of thiazoles and aminothiazoles in the presence of β -cyclodextrin**

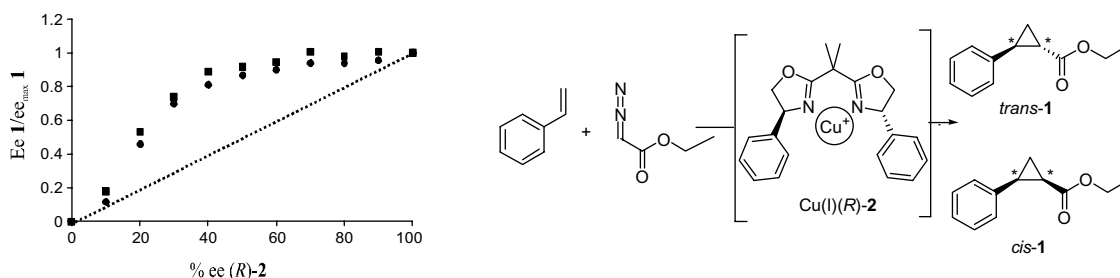
pp 5953–5955

M. Narender, M. Somi Reddy, R. Sridhar, Y. V. D. Nageswar and K. Rama Rao*

**A positive nonlinear effect in catalytic asymmetric cyclopropanation of styrene with ethyl diazoacetate**

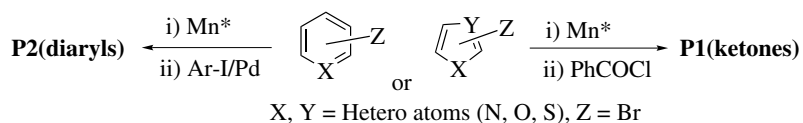
pp 5957–5959

Tomislav Portada, Marin Roje, Zdenko Hamersak and Mladen Žinić*

**Heteroaryl manganese reagents: direct preparation and reactivity studies**

pp 5961–5964

Reuben D. Rieke,* YoungSung Suh and Seung-Hoi Kim



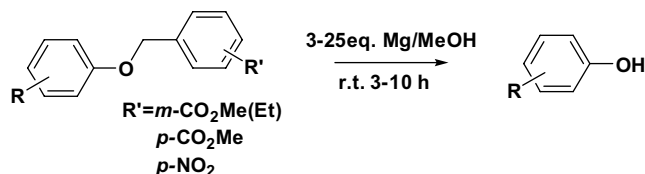
Direct preparation of heteroaryl manganese reagents was performed. The resulting organomanganese reagents were also coupled with electrophiles.



New selective *O*-debenzylation of phenol with Mg/MeOH

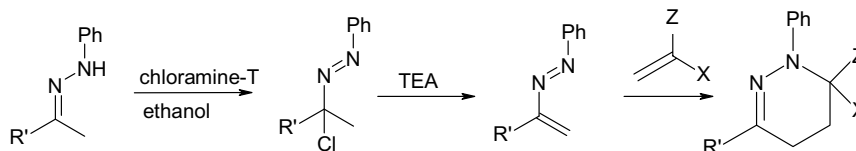
pp 5965–5967

Wei Huang, Xu Zhang, Hong Liu,* Jianhua Shen and Hualiang Jiang*

**A new method for the generation of azoalkenes from ketohydrazones and its application to the synthesis of tetrahydropyridazine derivatives**

pp 5969–5970

S. L. Gaonkar and K. M. Lokanatha Rai*



The reaction of ketohydrazones containing an α -methylene group with chloramine-T followed by treatment with triethylamine leads to the formation of azoalkenes via an α -chloroazo-compound, which can react intermolecularly and in situ with olefinic compounds to produce tetrahydropyridazine derivatives in good yields.

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*Corresponding author

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