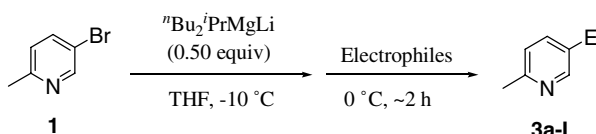


Contents

COMMUNICATIONS

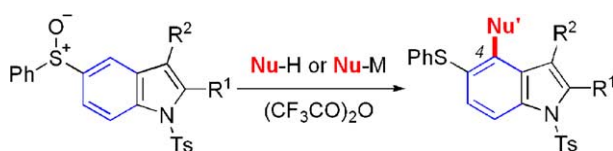
**Bromine–magnesium exchange of 5-bromo-2-picoline via an organomagnesium complex  ${}^t\text{Bu}_2{}^i\text{PrMgLi}$ : a new preparation methodology of functionalized picolines under noncryogenic conditions** pp 1877–1879

Satoshi Kii,\* Atsushi Akao,\* Takehiko Iida, Toshiaki Mase and Nobuyoshi Yasuda



**Regioselective, nucleophilic carbon–carbon bond formation at the C4-position of indoles initiated by the aromatic Pummerer-type reaction** pp 1881–1884

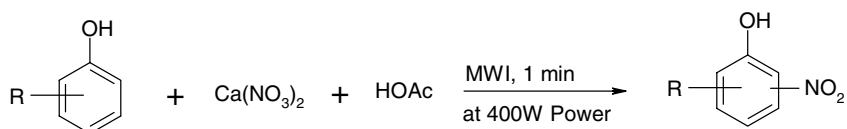
Shuji Akai, Norihito Kawashita, Yasufumi Wada, Hideharu Satoh, Anahita Hessamian Alinejad, Keisuke Kakiguchi, Ikumi Kuriwaki and Yasuyuki Kita\*



The treatment of the 5-(phenylsulfonyl)indoles with trifluoroacetic anhydride in the presence of carbon nucleophiles achieved the title reactions with complete regioselectivity.

**Microwave promoted rapid nitration of phenolic compounds with calcium nitrate** pp 1885–1888

Ajay K. Bose,\* Subhendu N. Ganguly, Maghar S. Manhas, Sheetal Rao, Jeffrey Speck, Uri Pekely and Esteban Pombo-Villars

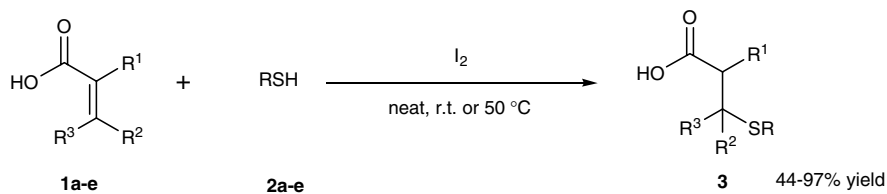


Nitration of phenolic compounds by a green chemistry strategy was conducted with calcium nitrate/acetic acid under microwave irradiation.

**Iodine catalyzed conjugate addition of mercaptans to  $\alpha,\beta$ -unsaturated carboxylic acids under solvent-free condition**

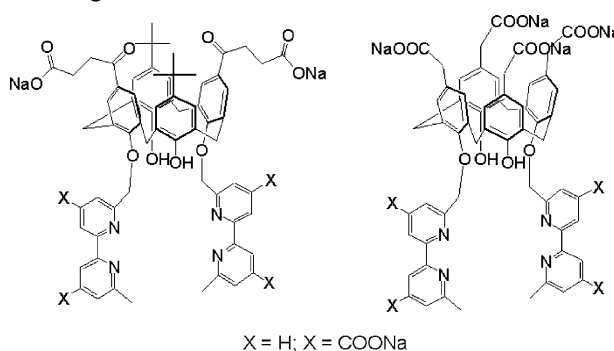
pp 1889–1893

Shijay Gao, Tingkai Tzeng, M. N. V. Sastry, Cheng-Ming Chu, Ju-Tsung Liu, Chunchi Lin and Ching-Fa Yao\*


**New water-soluble calix[4]arene-based bipyridyl podands incorporating carboxylate groups**

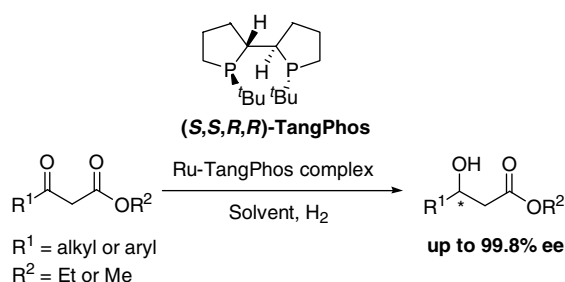
pp 1895–1899

Maxime Mourer and Jean-Bernard Regnouf-de-Vains\*


**Highly enantioselective Ru-catalyzed hydrogenation of  $\beta$ -keto esters using electron-donating bis(trialkylphosphine) ligand-TangPhos**

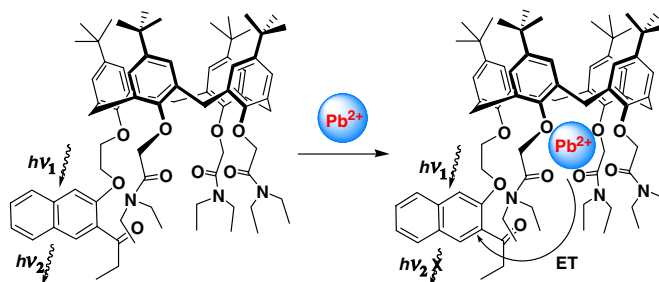
pp 1901–1903

Chun-Jiang Wang, Haiyan Tao and Xumu Zhang\*


**Highly selective fluorescent sensing of  $\text{Pb}^{2+}$  by a new calix[4]arene derivative**

pp 1905–1908

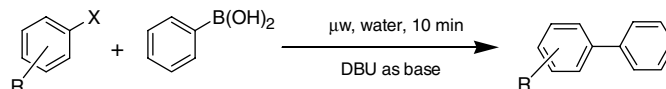
Jun-Min Liu, Jian-Hua Bu, Qi-Yu Zheng, Chuan-Feng Chen\* and Zhi-Tang Huang\*



**The application of organic bases in microwave-promoted Suzuki coupling reactions in water**

pp 1909–1912

Florine Chanthavong and Nicholas E. Leadbeater\*

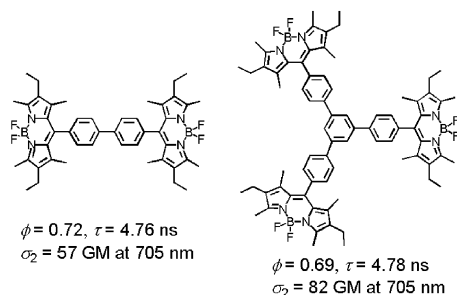


Traditionally, mineral bases are used in Suzuki coupling protocols. The use of DBU or DABCO as alternative bases for the reaction is reported and the application discussed.

**Synthesis, fluorescence and two-photon absorption properties of multichromophoric boron-dipyrromethene fluorophores for two-photon-excited fluorescence applications**

pp 1913–1917

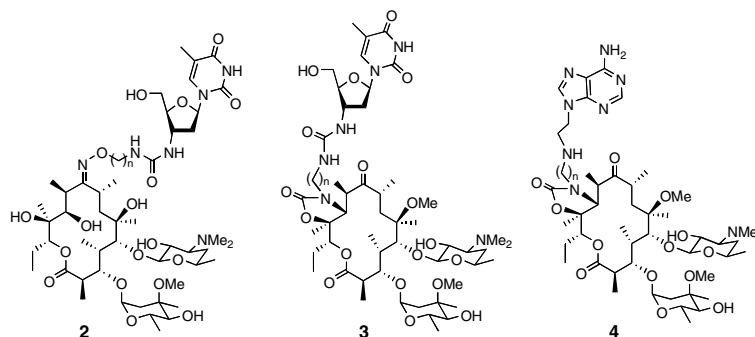
Laurent Porrès, Olivier Mongin and Mireille Blanchard-Desce\*



**Clarithromycin–adenine and related conjugates**

pp 1919–1922

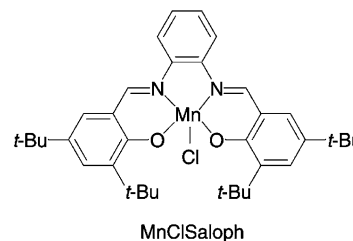
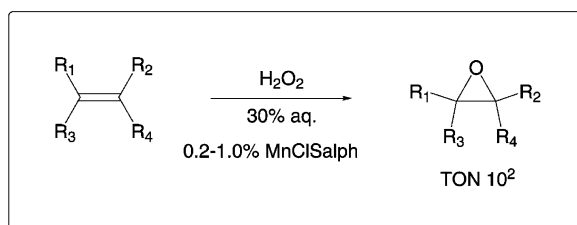
Jorge Esteban, Anna M. Costa,\* M. Carmen Cruzado, Montserrat Faja, Pilar García and Jaume Vilarrasa\*



**A simple and versatile method for alkene epoxidation using aqueous hydrogen peroxide and manganese salophen catalysts**

pp 1923–1926

Shih-Yuan Liu and Daniel G. Nocera\*

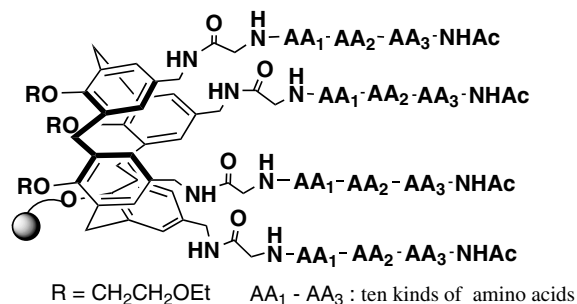


**Development of calixarene-based host molecules for peptides in aqueous media**

pp 1927–1931

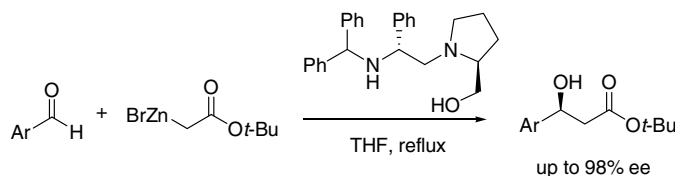
Miwa Kubo, Emi Nashimoto, Tatsuro Tokiyo, Yasushi Morisaki, Mitsuaki Kodama and Hideaki Hioki\*

Screening of dye-labeled tripeptides with peptidocalixarene library was run in pH 6.86 phosphate buffer containing 5% Triton X-100.

**D-Phg-L-Pro Dipeptide-derived prolinol ligands for highly enantioselective Reformatsky reactions**

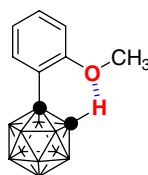
pp 1933–1935

Eun-kyoung Shin, Hyun Jung Kim, Yongtai Kim, Yangmee Kim and Yong Sun Park\*

**NMR study of 1-aryl-1,2-dicarba-*closo*-dodecaboranes: intramolecular C–H···O hydrogen bonding in solution**

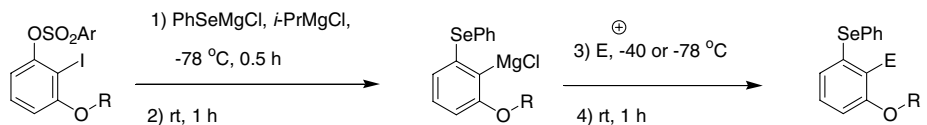
pp 1937–1940

Kiminori Ohta, Hiroto Yamazaki and Yasuyuki Endo\*

*Intramolecular C–H···O interaction***Preparation of highly functionalized arylmagnesium reagents by the addition of magnesium phenylselenide to arynes**

pp 1941–1944

Wenwei Lin, Florian Ilgen and Paul Knochel\*

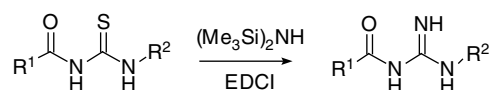
Ar = 4-ClC<sub>6</sub>H<sub>4</sub>  
R = Me, Bn, TES

45–85 % yield

**A new entry for the synthesis of *N*-acyl-*N*-substituted guanidines**

pp 1945–1947

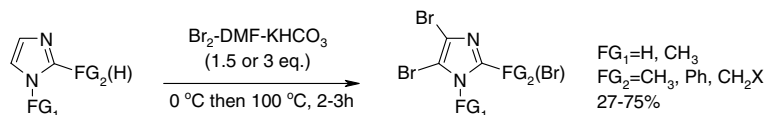
Tetsuro Shinada,\* Taiki Umezawa, Tsuyoshi Ando, Hayato Kozuma and Yasufumi Ohfuné\*



**Convenient multi-gram scale synthesis of polybrominated imidazoles building blocks**

pp 1949–1951

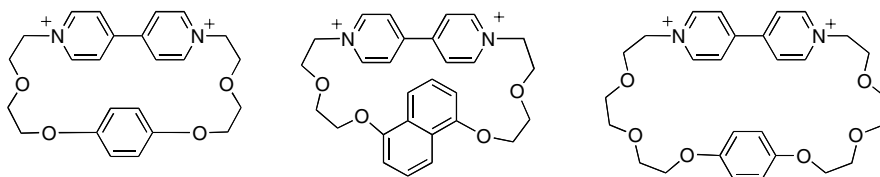
Mebarek Bahnous,\* Chabane Mouats, Yves Fort and Philippe C. Gros\*



**Synthesis of new viologen macrocycles with intramolecular charge transfer**

pp 1953–1956

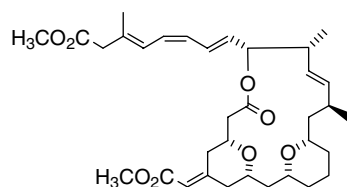
Elena Pía, Rosa Toba, Marcos Chas, Carlos Peinador\* and José M<sup>a</sup> Quintela\*



**Exiguolide, a new macrolide from the marine sponge *Geodia exigua***

pp 1957–1960

Shinji Ohta,\* Mylene M. Uy, Mihoko Yanai, Emi Ohta, Toshifumi Hirata and Susumu Ikegami\*



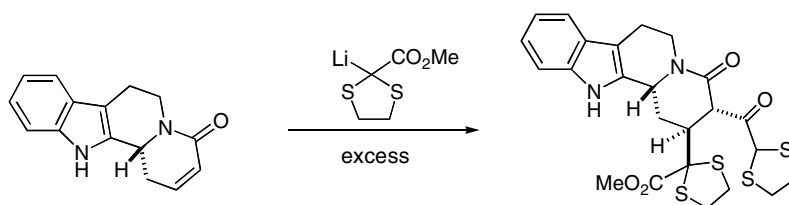
The structure of exiguolide was determined on the basis of spectroscopic data.



**Complementary stereoselective conjugate addition reactions on indolo[2,3-*a*]quinolizine templates**

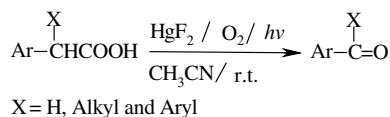
pp 1961–1964

Steven M. Allin,\* Jagjit S. Khera, Christopher I. Thomas, Jason Witherington, Kevin Doyle, Mark R. J. Elsegood and Mark Edgar

**Photolytic decarboxylation of  $\alpha$ -arylcaboxylic acids mediated by  $\text{HgF}_2$  under a dioxygen atmosphere**

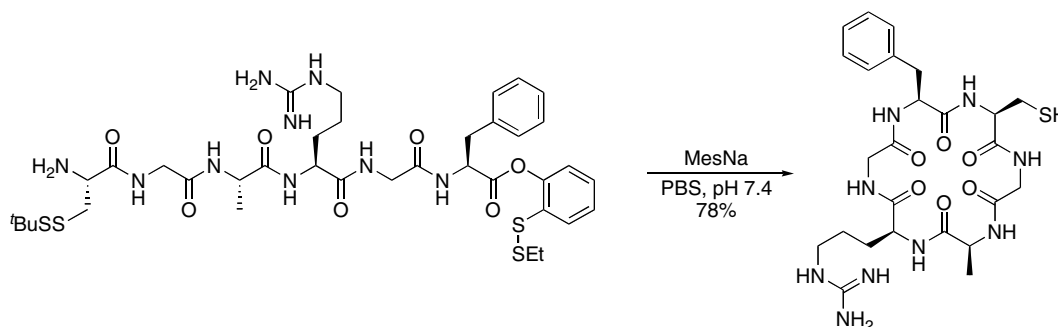
pp 1965–1968

Saeid Farhadi,\* Parisa Zaringhadam and Reza Zarei Sahamieh

**A route to cyclic peptides and glycopeptides by native chemical ligation using in situ derived thioesters**

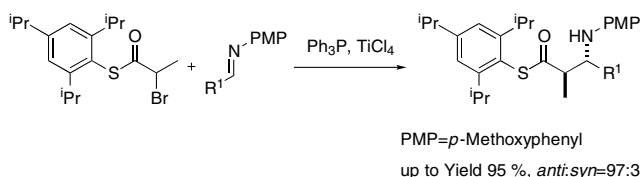
pp 1969–1972

Jiehao Chen, J. David Warren, Bin Wu, Gong Chen, Qian Wan and Samuel J. Danishefsky\*

**Reductive Mannich-type reaction using the composite reagents of phosphine and Lewis acid**

pp 1973–1975

Satoshi Kikuchi, Takayuki Kobayashi and Yukihiro Hashimoto\*

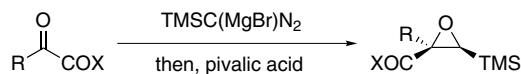


Reductive Mannich-type reaction of *S*-2,4,6-triisopropylphenyl 2-bromopropanethioate with several imines was smoothly mediated by the combination of  $\text{Ph}_3\text{P}$  and  $\text{TiCl}_4$  in good yields with high *anti*-selectivity.

**One-pot, cis-selective synthesis of  $\alpha$ -substituted  $\beta$ -trimethylsilyl- $\alpha,\beta$ -epoxyesters from  $\alpha$ -ketoesters and diazo(trimethylsilyl)methyl magnesium bromide**

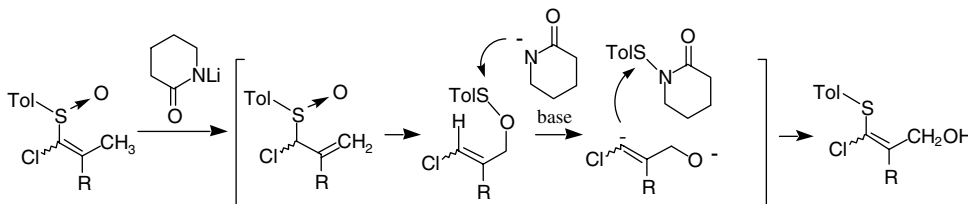
pp 1977–1980

Yoshiyuki Hari, Susumu Tsuchida and Toyohiko Aoyama\*

**First example of the Mislow–Braverman–Evans rearrangement retaining the sulfur atom on the original carbon**

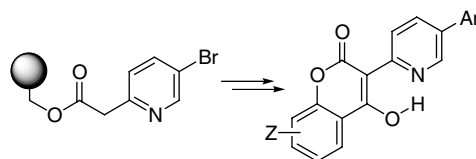
pp 1981–1983

Tsuyoshi Satoh\* and Toshifumi Miyagawa

**Solid phase synthesis of 3-(5-arylpyridin-2-yl)-4-hydroxycoumarins**

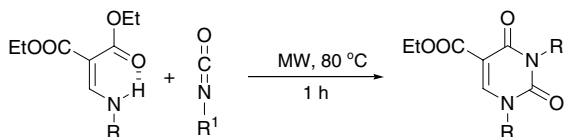
pp 1985–1988

Yannan Liu, Aaron D. Mills and Mark J. Kurth\*

**A one-pot domino reaction in constructing isoorotate bases and their nucleosides**

pp 1989–1992

Martín Avalos, Reyes Babiano, Pedro Cintas, Michael B. Hursthouse, José L. Jiménez,\* Encarnación Lerma, Mark E. Light and Juan C. Palacios

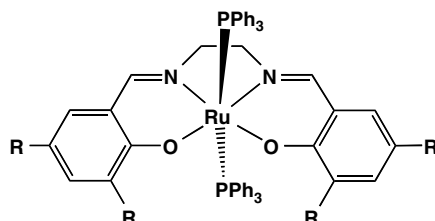


A domino reaction involving enaminoesters and chlorosulfonyl isocyanate leads to isoorotates. The strategy has been applied to the preparation of *N*-nucleosides.

**Ruthenium(II)–salen complexes-catalyzed olefination of aldehydes with ethyl diazoacetate**

pp 1993–1996

Wei Sun, Bingsheng Yu and Fritz E. Kühn\*

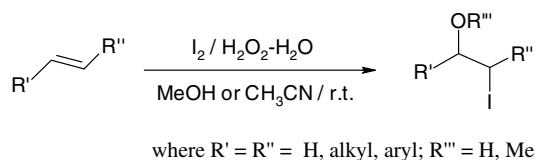


Several salen–ruthenium(II) complexes, which are derived from commercial ligands or simple ethylenediamine, can be successfully applied as catalysts for the olefination of a broad variety of aldehydes with high yields and *E*-selectivities.

**Regioselective 1,2-hydroxy and methoxy iodination of alkenes by molecular iodine and aqueous hydrogen peroxide**

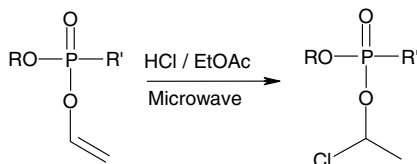
pp 1997–2001

B. Rama Raju, E. K. Pramod Kumar and Anil K. Saikia\*

**Convenient microwave-assisted synthesis of 1-chloroethyl phosphates**

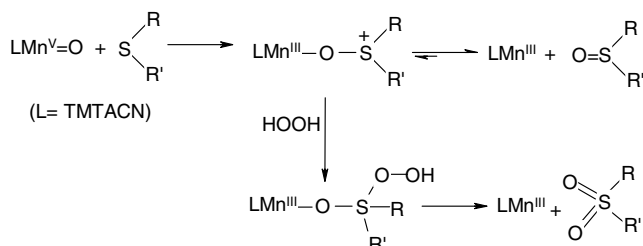
pp 2003–2004

Hanna Kumpulainen,\* Raimo Saari, Marko Lehtonen, Jarkko Rautio, Tomi Järvinen and Jouko Vepsäläinen

**Organosulfur oxidation by hydrogen peroxide using a dinuclear Mn-1,4,7-trimethyl-1,4,7-triazacyclononane complex**

pp 2005–2008

John R. Lindsay Smith,\* Jane Murray, Paul H. Walton\* and Terry R. Lowdon

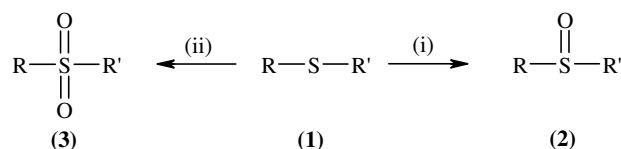




**Selective oxidation of sulfides to sulfoxides and sulfones using hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) in the presence of zirconium tetrachloride**

pp 2009–2012

K. Bahrami



(i): H<sub>2</sub>O<sub>2</sub> (14 eq.), ZrCl<sub>4</sub> (4 eq.), CH<sub>3</sub>OH, r.t.

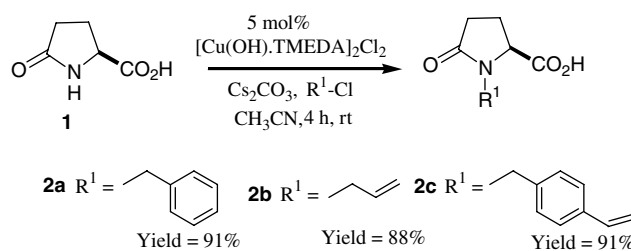
(ii): H<sub>2</sub>O<sub>2</sub> (20 eq.), ZrCl<sub>4</sub> (5 eq.), CH<sub>3</sub>OH, r.t.



**Di-μ-hydroxy-bis(N,N,N',N'-tetramethylenediamine)-copper(II) chloride [Cu(OH)·TMEDA]<sub>2</sub>Cl<sub>2</sub>: an efficient, practical catalyst for benzylation and allylation of amides**

pp 2013–2015

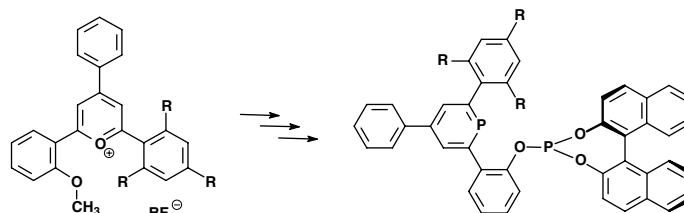
G. Kumaraswamy,\* A. PITCHAIAH, G. Ramakrishna, D. S. Ramakrishna and K. Sadaiah



**Chiral bidentate phosphabenzene-based ligands: synthesis, coordination chemistry, and application in Rh-catalyzed asymmetric hydrogenations**

pp 2017–2020

Christian Müller,\* Leire Guarrotxena López, Huub Kooijman, Anthony L. Spek and Dieter Vogt



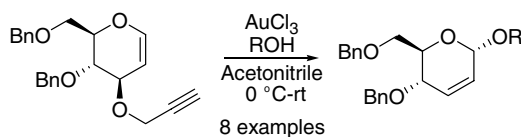
Novel hydroxy-functionalized phosphabenzenes were synthesized, which provide the possibility to prepare chiral phosphabenzene–phosphites. These systems act as bidentate ligands toward rhodium centers and the corresponding metal complexes were applied in the rhodium-catalyzed asymmetric hydrogenation of prochiral substrates.



**Stereoselective synthesis of α-glucosides from 3-O-propargyl protected glucal exploiting the alkynophilicity of AuCl<sub>3</sub>**

pp 2021–2023

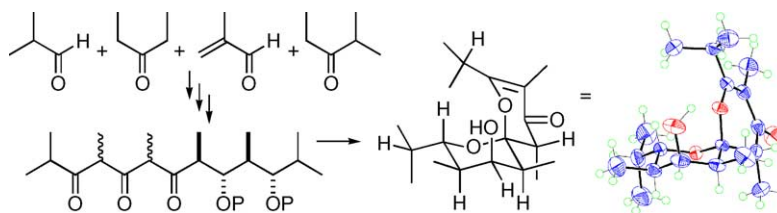
Sudhir Kashyap and Srinivas Hotha\*



**Stereoselective synthesis of a novel spiroacetal-dihydropyrone related to auripyrrone**

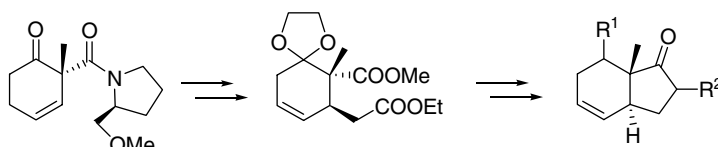
pp 2025–2028

Michael V. Perkins,\* Saba Jahangiri and Max R. Taylor

**A simple strategy for the synthesis of optically pure *trans*-hydrindane systems**

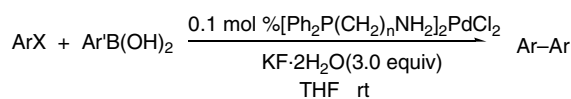
pp 2029–2032

Ganesh Pandey\* and Sanjay B. Raikar

**The air-stable and highly efficient P, N-chelated palladium(II) complexes as catalysts for the Suzuki cross-coupling reaction at room temperature**

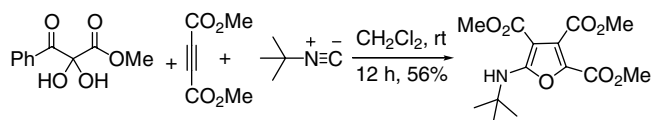
pp 2033–2036

Mengping Guo, Fangfang Jian and Ren He\*

**A novel reaction of vicinal tricarbonyl compounds with the isocyanide–DMAD zwitterion: formation of highly substituted furan derivatives**

pp 2037–2039

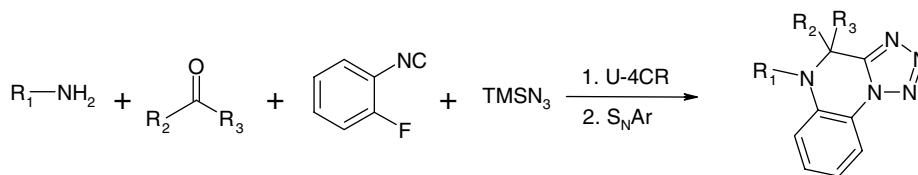
Vijay Nair\* and Ani Deepthi



**A new and versatile Ugi/S<sub>N</sub>Ar synthesis of fused 4,5-dihydro-tetrazolo[1,5-a]quinoxalines**

pp 2041–2044


Cédric Kalinski,\* Michael Umkehrer, Sebastien Gonnard, Nadine Jäger, Günther Ross and Wolfgang Hiller

**OTHER CONTENTS**

Corrigendum

p 2045

\*Corresponding author

+ Supplementary data available via ScienceDirect


Full text of this journal is available, on-line from **ScienceDirect**. Visit [www.sciencedirect.com](http://www.sciencedirect.com) for more information.

**CONTENTS**  
**direct**

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>

Indexed/Abstracted in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch



ISSN 0040-4039