

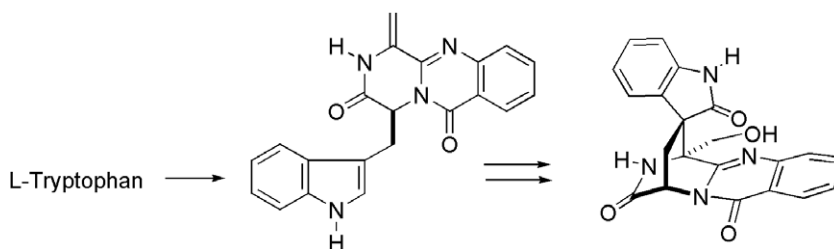
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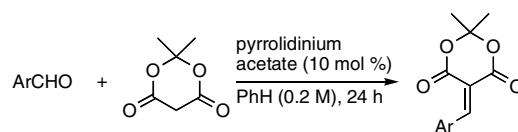
David J. Hart\* and Gabriel Oba



A general and practical preparation of alkylidene Meldrum's acids

pp 7072–7074

Aaron M. Dumas, Adam Seed, Alexander K. Zorzitto and Eric Fillion\*

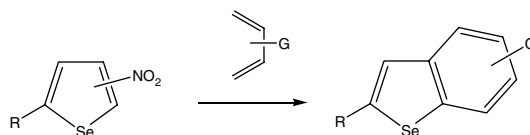


A general procedure to prepare alkylidene Meldrum's acids is described. The reaction is simple to perform and highly functional group compatible.

Behaviour of selenophenes substituted with electron-withdrawing groups in polar Diels–Alder reactions

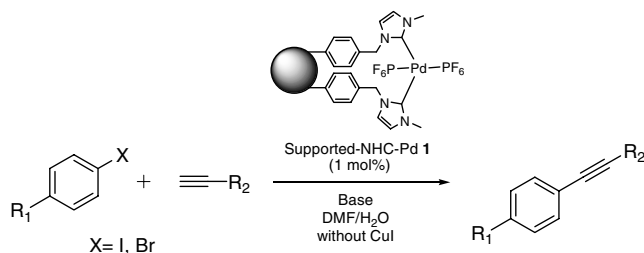
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Claudia Della Rosa, Maria Kneeteman and Pedro Mancini\*



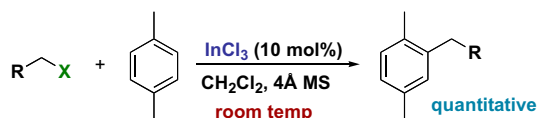
**Copper-free Sonogashira cross-coupling reaction catalyzed by polymer-supported *N*-heterocyclic carbene palladium complex** pp 7079–7084

Jong-Ho Kim, Dong-Ho Lee, Bong-Hyun Jun and Yoon-Sik Lee\*

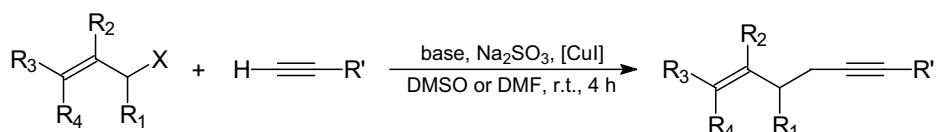

**Intermolecular Friedel–Crafts reaction catalyzed by  $\text{InCl}_3$** 

pp 7085–7087

Miho Kaneko, Ryuji Hayashi and Gregory R. Cook\*


**Copper catalyzed regioselective coupling of allylic halides and alkynes promoted by weak inorganic bases** pp 7088–7090

Lothar W. Bieber\* and Margarete F. da Silva


**Microwave enhanced cross-coupling reactions involving alkenyl- and alkynyltrifluoroborates**

pp 7091–7093

George W. Kabalka,\* Abhijit Naravane and Li Li Zhao

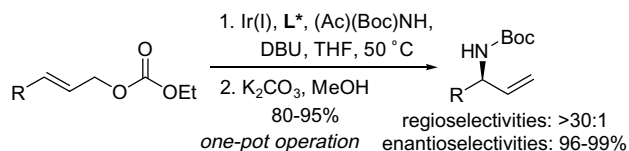


Cross-coupling reactions of potassium alkenyltrifluoroborates and alkynyltrifluoroborates with aryl triflates in the presence of a palladium catalyst occur rapidly utilizing microwave irradiation. The coupled products are provided in good to excellent yields.

**Iridium(I)-catalyzed regio- and enantioselective allylic amidation**

pp 7094–7098

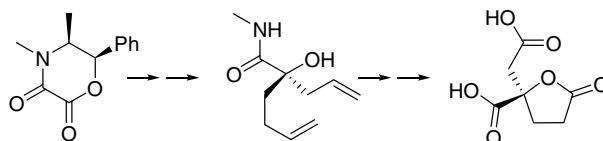
Om V. Singh and Hyunsoo Han\*



**Enantioselective synthesis of (*R*)-homocitric acid lactone**

pp 7099–7107

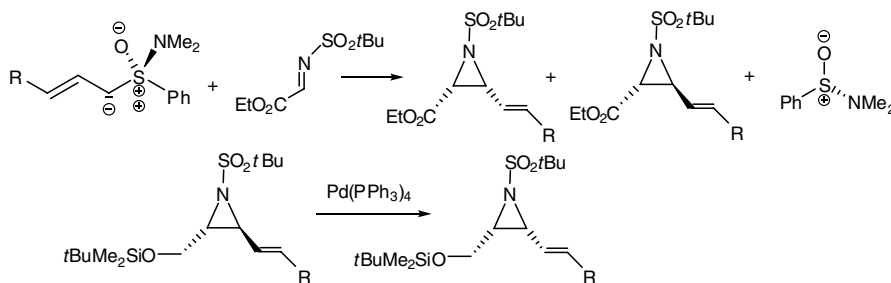
Sunil V. Pansare\* and Vikrant A. Adsool



**Asymmetric aziridination with chiral allyl aminosulfoxonium ylides: synthesis of alkenyl aziridine carboxylates and palladium-catalyzed *E*,*trans*/*E*,*cis*-isomerization of an alkenyl aziridine**

pp 7102–7107

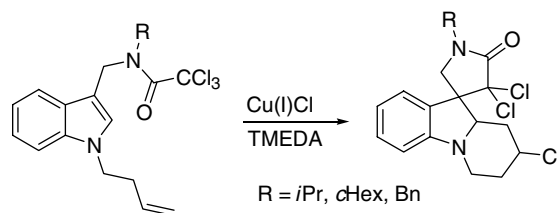
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**A copper-catalyzed domino radical cyclization route to benzospiro-indolizidinepyrrolidinones**

pp 7108–7111

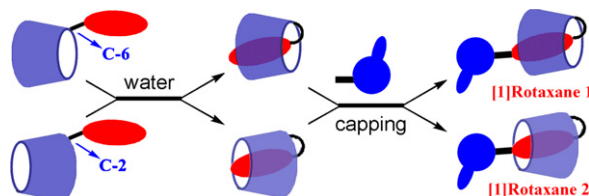
Christian V. Stevens,\* Ellen Van Meenen, Kurt G. R. Masschelein, Yves Eeckhout, Wim Hooghe, Bart D'hondt, Victor N. Nemykin and Viktor V. Zhdankin



**Disparate orientation of [1]rotaxanes**

pp 7112–7116

Xiang Ma, Qiaochun Wang and He Tian\*

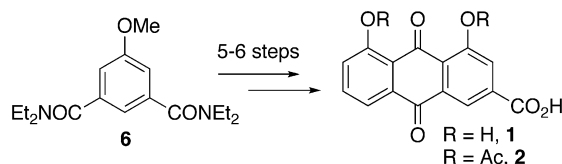


[1]Rotaxanes with disparate orientation were constructed conveniently and directly through self-inclusion complexation of azobenzene modified  $\beta$ -cyclodextrins ( $\beta$ -CyD) at the different 6 and 2 positions and Suzuki-coupling capping in aqueous solution.

**Total synthesis of rhein and diacerhein via a directed *ortho* metalation of an aromatic substrate**

pp 7117–7119

Vanessa Gonnot, Steve Tisserand, Marc Nicolas, Rachid Baati\* and Charles Mioskowski

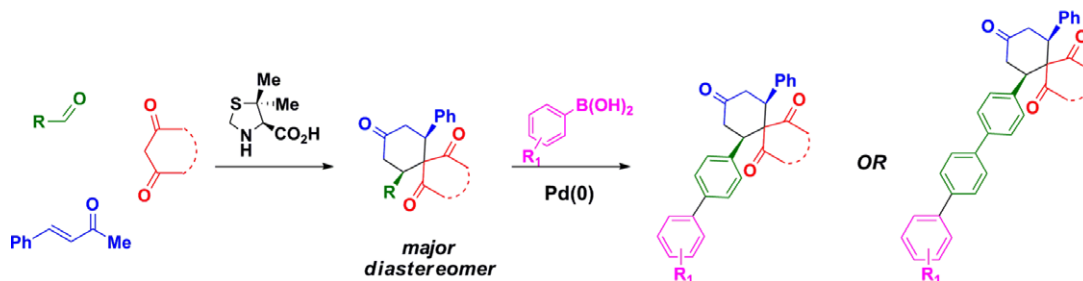


Rhein **1** and diacerhein **2** have been successfully synthesized in few steps using a highly selective DOM reaction.

**Domino Knoevenagel/Diels–Alder sequence coupled to Suzuki reaction: a valuable synthetic platform for chemical biology**

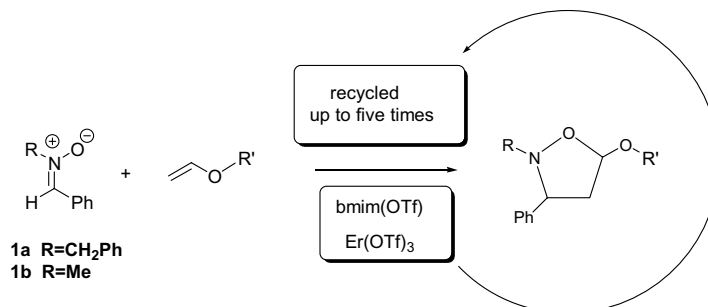
pp 7120–7124

Daniela Pizzirani, Marinella Roberti\* and Maurizio Recanatini

**1,3-Cycloaddition of nitrones in ionic liquids catalyzed by Er(III): an easy access to isoxazolidines**

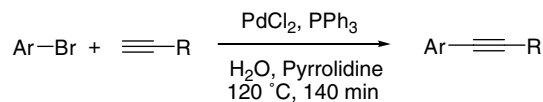
pp 7125–7128

Olga Bortolini,\* Antonio De Nino, Loredana Maiuolo,\* Beatrice Russo, Giovanni Sindona and Amedeo Tocci



**Copper-free PdCl<sub>2</sub>/PPh<sub>3</sub>-catalyzed Sonogashira coupling reaction of aryl bromides with terminal alkynes in water** pp 7129–7133

Jin Tao Guan, Tan Qing Weng, Guang-Ao Yu and Sheng Hua Liu\*

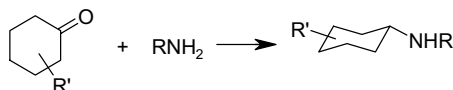


R= aryl, alkyl

A simple, copper-free and efficient catalyst system for the Sonogashira coupling reaction of aryl bromides with terminal alkynes in water has been developed. The use of PdCl<sub>2</sub>/PPh<sub>3</sub> in the presence of pyrrolidine allows the coupling reaction to proceed at 120 °C with moderate to excellent yields.

**Lithium borohydride: a reagent of choice for the selective reductive amination of cyclohexanones** pp 7134–7136

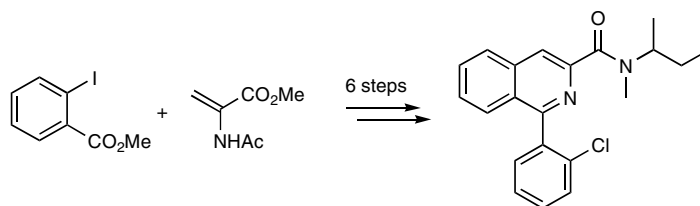
Shawn Cabral,\* Bernard Hulin and Makoto Kawai



We report a selective procedure for the reductive amination of substituted cyclohexanones with primary amines using lithium borohydride to give predominantly the equatorial amines.

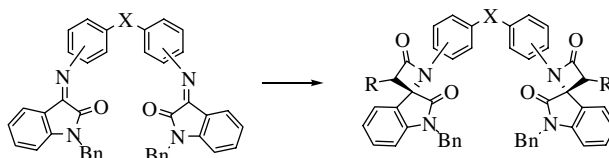
**A novel approach for the synthesis of the peripheral benzodiazepine receptor ligand, PK11195** pp 7137–7139

Louise Stevenson, Sally L. Pimlott and Andrew Sutherland\*

**Synthesis of some mono- and bis-spiro-β-lactams of benzylistatin**

pp 7140–7143

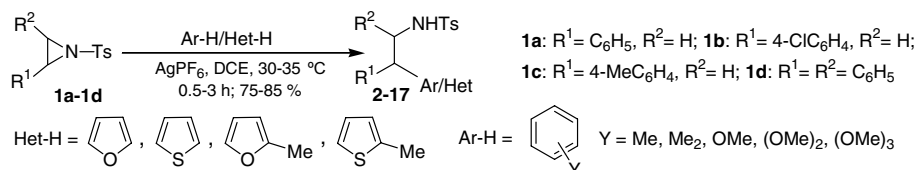
Aliasghar Jarrahpour\* and Dariush Khalili



A facile C-arylation of *N*-tosyl aziridines via Ag(I) catalysis

pp 7144–7146

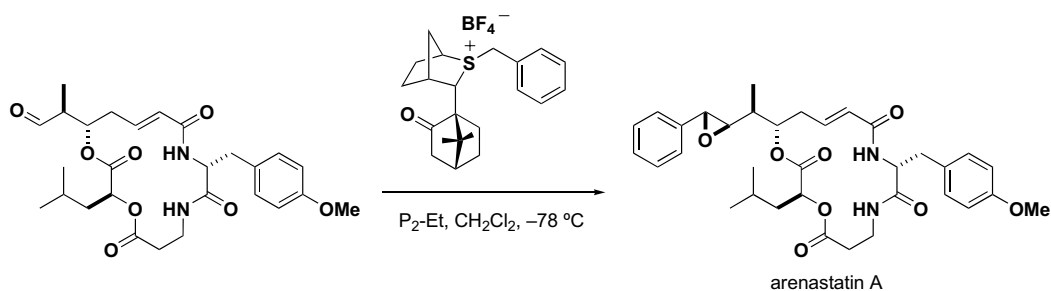
Milan Bera and Sujit Roy\*



## Stereoselective total synthesis of arenastatin A, a spongean cytotoxic depsipeptide

pp 7147–7150

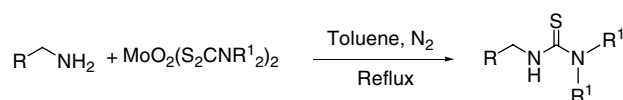
Naoyuki Kotoku, Fuminori Narumi, Tomoya Kato, Miho Yamaguchi and Motomasa Kobayashi\*



## A convenient method for the synthesis of substituted thioureas

pp 7151–7154

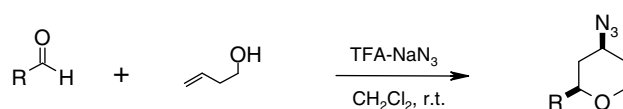
Mahagundappa Maddani and Kandikere Ramaiah Prabhu\*



## A diastereoselective synthesis of 4-azidotetrahydropyrans via the Prins-cyclization

pp 7155–7159

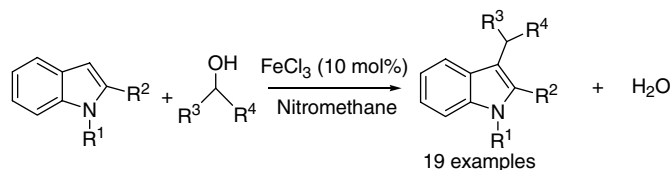
J. S. Yadav,\* B. V. Subba Reddy, Tapas Maity and G. G. K. S. Narayana Kumar



**An FeCl<sub>3</sub>-catalyzed highly C3-selective Friedel–Crafts alkylation of indoles with alcohols**

pp 7160–7163

Umasish Jana,\* Sukhendu Maiti and Srijit Biswas

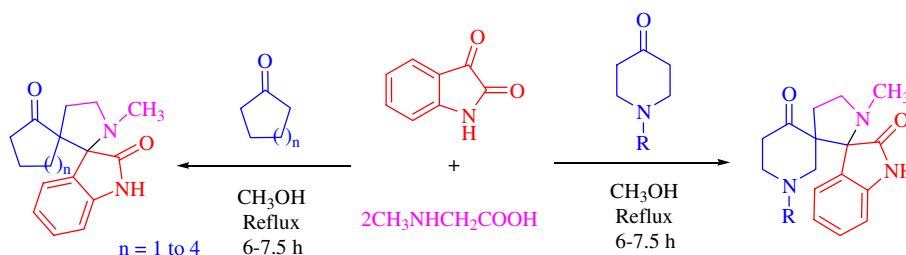


The FeCl<sub>3</sub>-catalyzed C3-selective Friedel–Crafts alkylation of indoles using allylic, benzylic and propargylic alcohols has been developed.

**Novel three-component tandem reactions of cyclic mono ketones, isatin and sarcosine: formation of dispiropyrrolidines**

pp 7164–7168

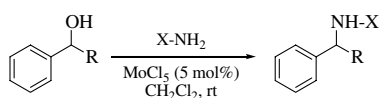
Raju Suresh Kumar and Subbu Perumal\*



**Molybdenum(V) chloride-catalyzed amidation of secondary benzyl alcohols with sulfonamides and carbamates**

pp 7169–7172

Ch. Raji Reddy,\* P. Phani Madhavi and A. Syamprasad Reddy

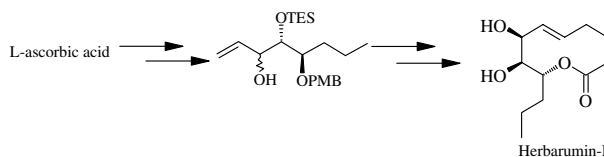


R= alkyl or aryl or alkynyl; X= PhSO<sub>2</sub> or Ts or Cbz or Boc

**Stereoselective synthesis of the phytotoxic nonenolide herbarumin-I from L-ascorbic acid**

pp 7173–7176

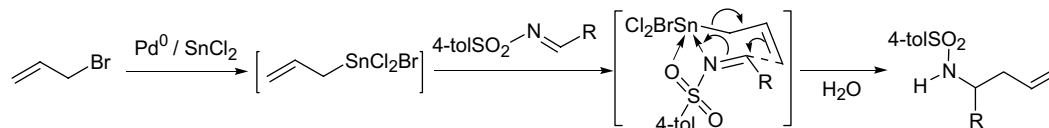
K. Nagaiah,\* D. Sreenu, R. Srinivasa Rao and J. S. Yadav



**Pd<sup>0</sup>/Sn<sup>II</sup> promoted Barbier-type allylation and crotylation of sulfonimines**

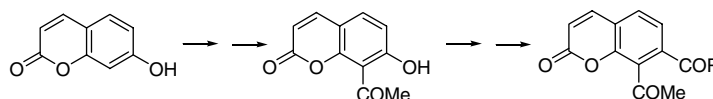
pp 7177–7180

Ujjal Kanti Roy and Sujit Roy\*

**A novel and facile synthesis of 7,8-diacylcoumarins**

pp 7181–7183

Antigoni Kotali,\* Ioannis S. Lafazanis and Philip A. Harris

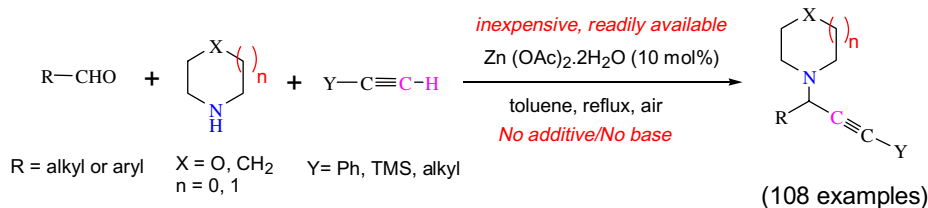


The synthesis of the title compounds, in good yields, is reported via the transformation of a hydroxy into an acyl group reported for the first time in heterocycles.

**Zn(OAc)<sub>2</sub>·2H<sub>2</sub>O: a versatile catalyst for the one-pot synthesis of propargylamines**

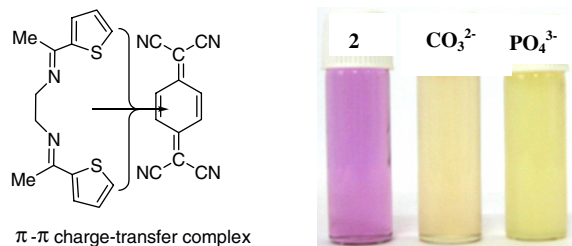
pp 7184–7190

Enugala Ramu, Ravi Varala, Nuvula Sreelatha and Srinivas R. Adapa\*

**A selective and sensitive 'naked eye' anion detector based on an imine- $\pi$ -TCNQ assembly**

pp 7191–7193

Paramjit Kaur,\* Sandeep Kaur and Kamaljit Singh\*



A colorimetric imine based chemosensor is designed for the selective detection of PO<sub>4</sub><sup>3-</sup> and CO<sub>3</sub><sup>2-</sup> under physiological pH conditions. The intense charge-transfer (CT) sensor gives rise to a reversible purple-to-yellow colour change that is visible to the naked eye.



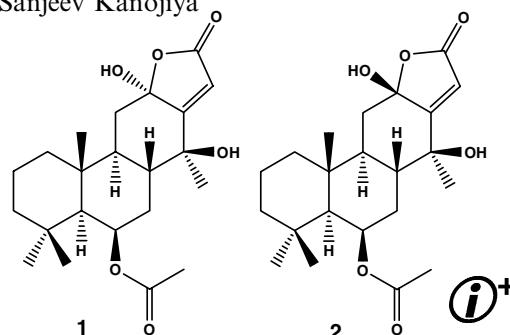


## New cassane butenolide hemiketal diterpenes from the marine creeper *Caesalpinia bonduc* and their antiproliferative activity

pp 7194–7198

Prem P. Yadav,\* Ashish Arora, Hemant K. Bid, Ritu R. Konwar and Sanjeev Kanojiya

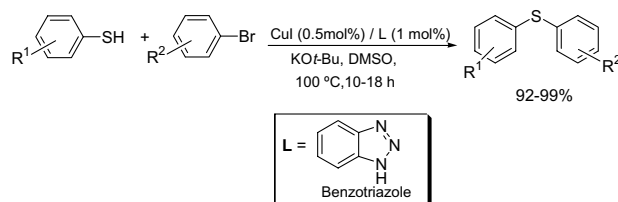
Two new cassane butenolides, caesalpinolide A (**1**) and B (**2**), epimeric at the hemiketal position were isolated from the marine creeper *Caesalpinia bonduc*.



## A general and efficient CuI/BtH catalyzed coupling of aryl halides with thiols

pp 7199–7202

Akhilesh Kumar Verma,\* Jaspal Singh and Ritu Chaudhary

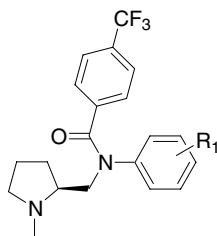


We report an exceptionally mild, general and efficient copper catalyzed cross coupling reaction of aryl bromides and thiols using 0.5 mol % CuI and 1 mol % benzotriazole.

## Solid-phase synthesis of tertiary-amino linked benzamides: a versatile method for forming C–N bonds with electron-rich and electron-poor anilines

pp 7203–7206

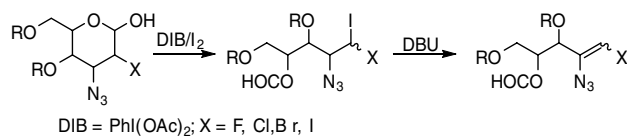
Kevin W. Gillman,\* Danielle Bocchino, Jeffrey W. Noonan, Milind Deshpande and Weixu Zhai



## Alkoxy radical fragmentation of 3-azido-2,3-dideoxy-2-halo-hexopyranoses: a new entry to chiral polyhydroxylated 2-azido-1-halo-1-alkenes

pp 7207–7210

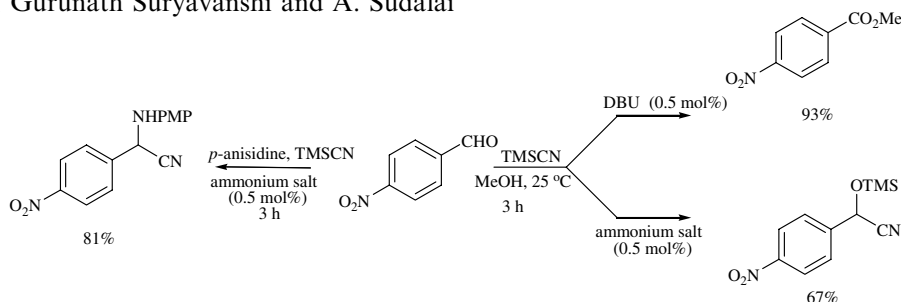
Carmen R. Alonso-Cruz, Alan R. Kennedy, María S. Rodríguez and Ernesto Suárez\*



i+

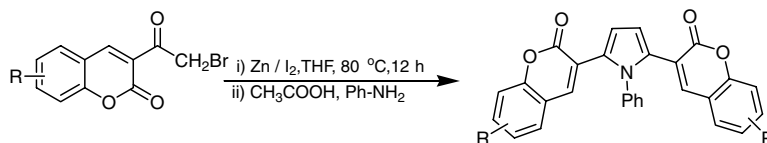
**Organocatalytic activation of TMSCN by basic ammonium salts for efficient cyanation of aldehydes and imines** pp 7211–7214

I. Victor Paul Raj, Gurunath Suryavanshi and A. Sudalai\*

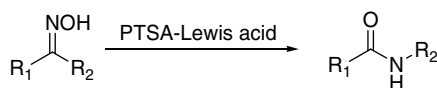

**The synthesis of pyrrole bis-coumarins, new structures for fluorescent probes**

pp 7215–7217

Lokesh Shastri, Shivashankar Kalegowda and Manohar Kulkarni\*


***p*-Toluenesulfonic acid mediated zinc chloride: highly effective catalyst for the Beckmann rearrangement** pp 7218–7221

Lin-fei Xiao, Chun-gu Xia\* and Jing Chen

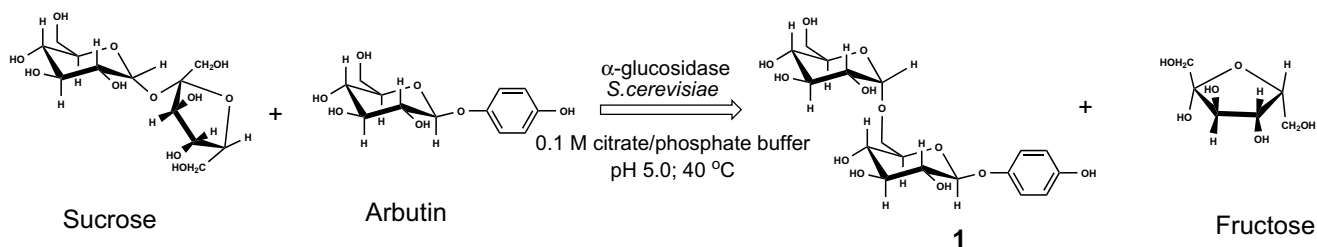


PTSA–ZnCl<sub>2</sub> has been proved to be an excellent catalyst for liquid-phase Beckmann rearrangement of ketoximes in acetonitrile. The satisfactory yields of amides were obtained in the presence of this catalyst system.

**A simple and efficient one-step, regioselective, enzymatic glucosylation of arbutin by  $\alpha$ -glucosidase**

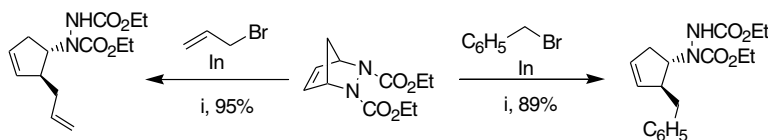
pp 7222–7224

Nenad B. Milosavić,\* Radivoje M. Prodanović and Ratko M. Jankov



**Palladium-catalyzed ring opening of azabicyclic olefins with organoindium reagents: a simple, clean, and efficient synthesis of functionalized cyclopentenes** pp 7225–7227

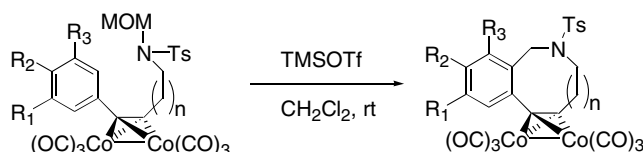
Jubi John, S. Anas, V. S. Sajisha, S. Viji and K. V. Radhakrishnan\*



i = [Pd(allyl)Cl]<sub>2</sub> (5 mol%), dppe (10 mol%), Yb(OTf)<sub>3</sub> (2mol%), THF, 60°C, 12 h.

**Facile synthesis of medium-sized cyclic amines based on Friedel–Crafts reaction via iminium cation by use of acetylene dicobalt complex** pp 7228–7231

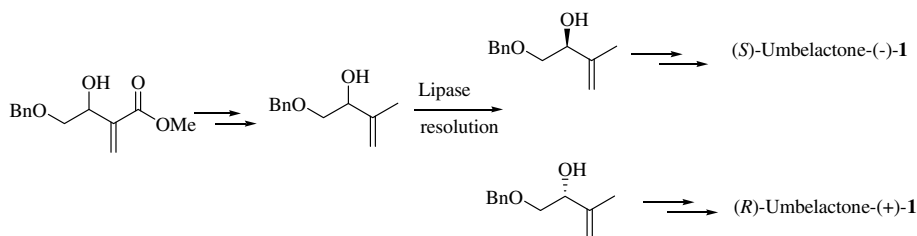
Megumi Mizukami, Hiroshi Saito, Toshio Higuchi, Masanori Imai, Hideo Bando, Norio Kawahara and Shinji Nagumo\*



An intramolecular Friedel–Crafts reaction of the iminium cation with acetylene cobalt moiety proceeded smoothly to give eight- or nine-membered cyclic amine.

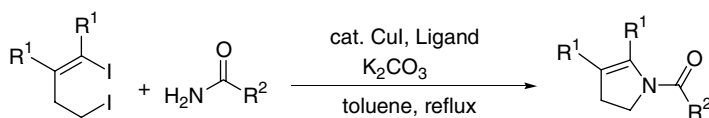
**A new chemoenzymatic Baylis–Hillman approach for the synthesis of enantiomerically enriched umbelactones** pp 7232–7235

Ahmed Kamal,\* Tadiparthi Krishnaji and P. Venkat Reddy

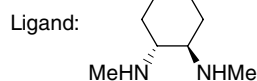


**Copper-catalyzed one-pot N-alkenylation and N-alkylation of amides: an efficient synthesis of substituted 2,3-dihydropyrroles** pp 7236–7239

Xiaobo Zhou, Huimin Zhang, Jiwei Yuan, Lugen Mai and Yanzhong Li\*

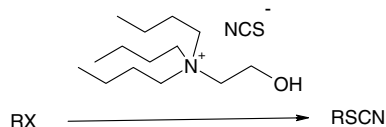


N-alkenylation and N-alkylation of amide



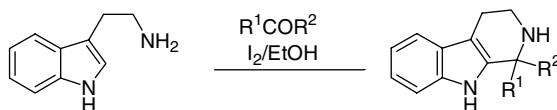
**2-Hydroxy-*N,N,N*-tributylethanaminium thiocyanate as solvent and reagent for the preparation of alkyl thiocyanates** pp 7240–7242

Farajollah Mohanazadeh\* and Magid Aghvami

**The synthesis of 1,1-disubstituted tetrahydro- $\beta$ -carbolines induced by iodine**

pp 7243–7245

Y. Lingam,\* D. Muralimohan Rao, Dipal R. Bhowmik, Pachore Sharad Santu, K. Raghavendra Rao and Aminul Islam

**OTHER CONTENT****Corrigendum**

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\*Corresponding author

\* Supplementary data available via ScienceDirect

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

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