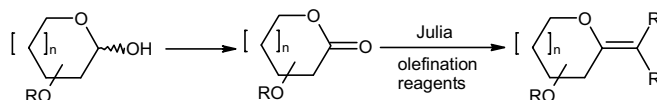


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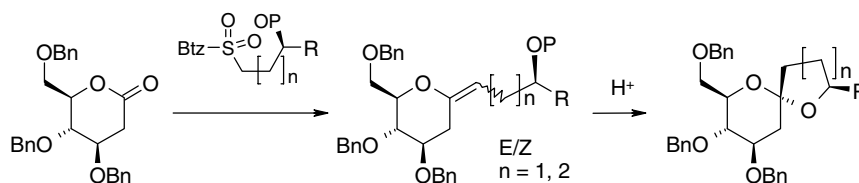
Synthesis of enol ethers from lactones using modified Julia olefination reagents: application to the preparation of tri- and tetrasubstituted exoglycals pp 747–749

Benjamin Bourdon, Matthieu Corbet, Patrice Fontaine, Peter G. Goekjian, David Gueyrard \*



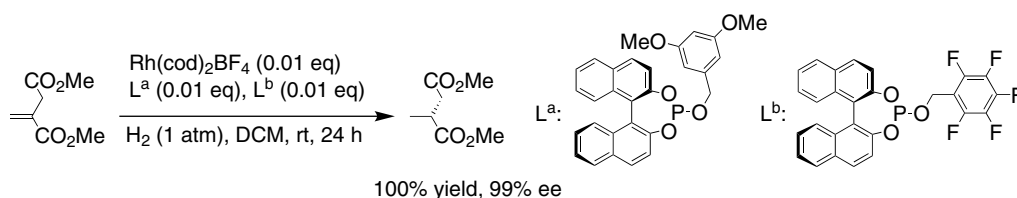
A Julia olefination approach to the synthesis of functionalized enol ethers and their transformation into carbohydrate-derived spiroketals pp 750–754

Matthieu Corbet, Benjamin Bourdon, David Gueyrard \*, Peter G. Goekjian \*



Highly enantioselective Rh-catalyzed hydrogenations with hetero combinations of pentafluorobenzyl- and methoxybenzyl-derived binaphthyl phosphites pp 755–759

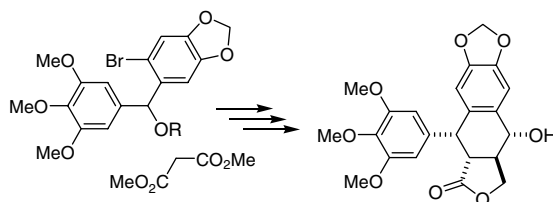
Benita Lynikaite, Ján Cvengroš, Umberto Piarulli \*, Cesare Gennari \*



**Pseudo-domino palladium-catalyzed allylic alkylation/Mizoroki–Heck coupling reaction: a key sequence toward (±)-podophyllotoxin**

pp 760–763

Francesco Mingoia, Maxime Vitale, David Madec \*, Guillaume Prestat, Giovanni Poli \*

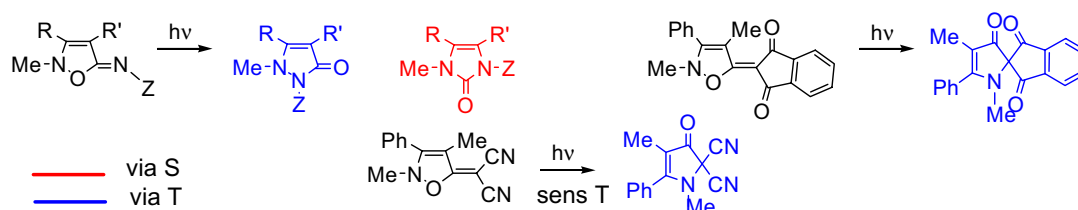


A formal synthesis of podophyllotoxin was carried out in nine steps. The key pseudo-domino step was accomplished through the succession of an intermolecular palladium-catalyzed allylic alkylation and an intramolecular Mizoroki–Heck coupling reaction.

**Synthesis and photoreactivity of some 5-alkylidene- and 5-alkylidenamine-2,5-dihydroisoxazoles**

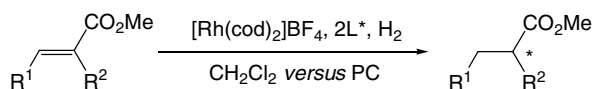
pp 764–767

D. Donati, S. Fusi \*, F. Ponticelli, R. Rossi Paccani


**Rhodium-catalyzed asymmetric hydrogenation with self-assembling catalysts in propylene carbonate**

pp 768–771

Benjamin Schäffner, Jens Holz, Sergey. P. Verevkin, Armin Börner \*

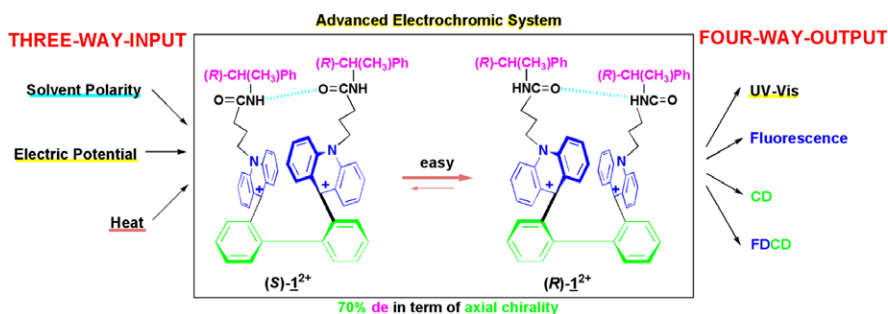


Propylene carbonate (PC) can be used as alternative solvent in the Rh-catalyzed hydrogenation of functionalized olefins with self-assembling catalysts to increase reaction rate and enantioselectivity.

**Unprecedented four-way-output molecular response system based on biphenyl-2,2'-diyldiacridiniums: induction of axial chirality through intramolecular hydrogen bonds between chiral amide groups**

pp 772–776

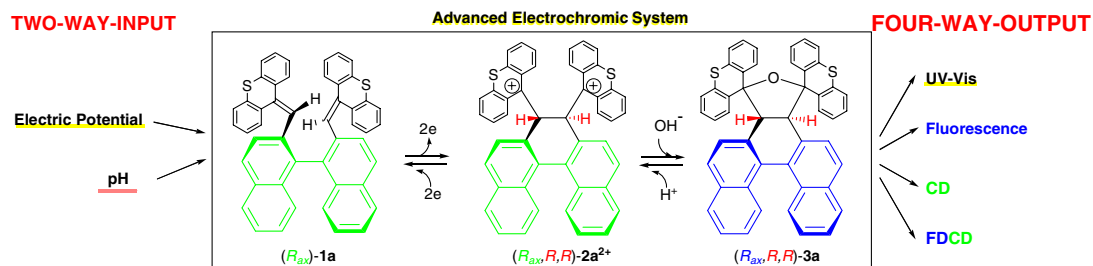
Takanori Suzuki \*, Kenji Ohta, Tatsuo Nehira, Hiroki Higuchi, Eisuke Ohta, Hidetoshi Kawai, Kenshu Fujiwara



**Four-way-output molecular response system based on the dihydrodibenzo[*c,g*]phenanthrene skeleton: modulation of CD and FDCD activity by acid and electron-transfer**

pp 777–781

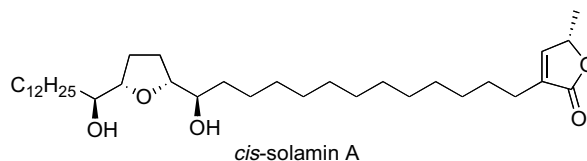
Eisuke Ohta, Tatsuo Nehira, Hidetoshi Kawai, Kenshu Fujiwara, Takanori Suzuki \*



**Total synthesis of *cis*-solamin A, a mono-tetrahydrofuran acetogenin isolated from *Annona muricata***

pp 782–785

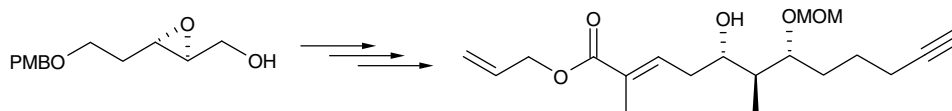
Hiroyuki Konno \*, Yasuhiro Okuno, Hidefumi Makabe, Kazuto Nosaka, Akio Onishi, Yoshinari Abe, Atsuya Sugimoto, Kenichi Akaji



**Stereoselective synthesis of the C33–C44 fragment of palau'amide**

pp 786–789

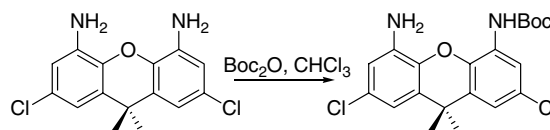
Debendra K. Mohapatra \*, Sabita Nayak



**Selective acylation of 4,5-diamino-9,9'-dimethylxanthene through an aggregation effect**

pp 790–793

Francisco M. Muñiz, Luis Simón, Silvia Sáez, César Raposo, Joaquín R. Morán \*



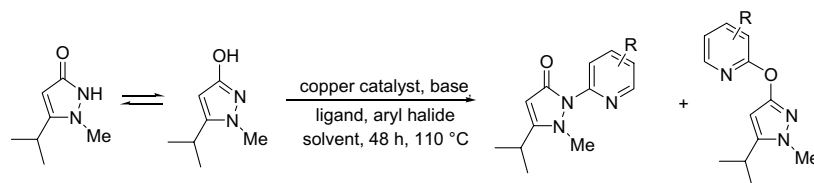
The proximity of the 4,5-diamino groups in a 9,9'-dimethylxanthene skeleton provides unique reactivity due to aggregation effects. While treatment with 1 equiv of an isocyanate yields the diurea and starting material, under similar conditions, Boc<sub>2</sub>O essentially provides the monocarbamoyl derivative.



**Modulating N- versus O-arylation in pyrazolone-aryl halide couplings**

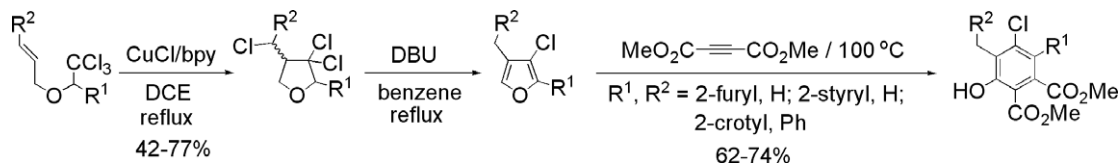
pp 794–798

Jennifer E. Golden \*, Shanina D. Sanders, Kristine M. Muller, Roland W. Bürlü

**Synthesis of 2,4-disubstituted 3-chlorofurans and the effect of the chlorine substituent in furan Diels–Alder reactions**

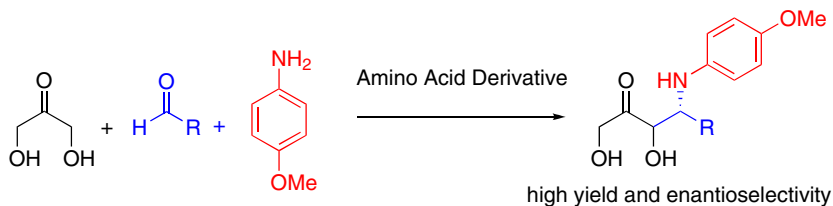
pp 799–802

Ram N. Ram \*, Neeraj Kumar

**Direct catalytic asymmetric three-component Mannich reactions with dihydroxyacetone: enantioselective synthesis of amino sugar derivatives**

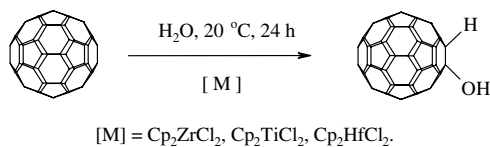
pp 803–807

Pawel Dziedzic, Ismail Ibrahim, Armando Córdoba \*

**Selective addition of  $\text{H}_2\text{O}$  to fullerene  $\text{C}_{60}$  catalyzed by Ti, Zr, and Hf catalysts**

pp 808–810

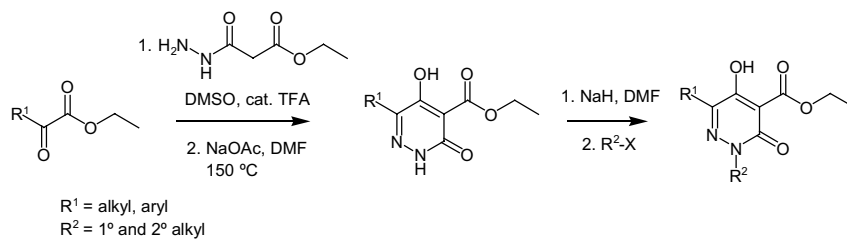
Airat R. Tuktarov \*, Arslan R. Akhmetov, Marko Pudas, Askhat G. Ibragimov, Usein M. Dzhemilev



Selective addition of  $\text{H}_2\text{O}$  to fullerene  $\text{C}_{60}$  catalyzed by  $\text{Cp}_2\text{MCl}_2$  ( $\text{M} = \text{Ti, Zr, Hf}$ ) catalysts to yield 1-hydroxy-1,2-dihydrofullerene has been realized for the first time.

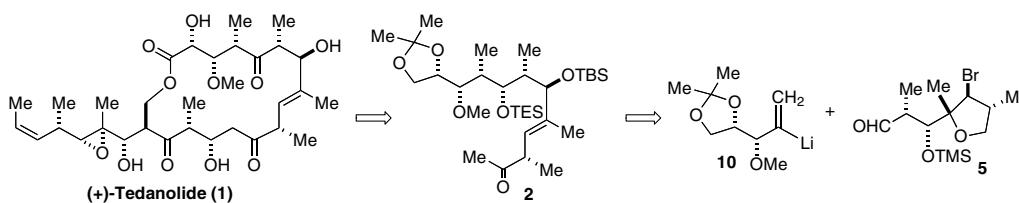
**Efficient synthesis of 2,6-disubstituted-5-hydroxy-3-oxo-2,3-dihydro-pyridazine-4-carboxylic acid ethyl esters** pp 811–815

Douglas E. Murphy \*, Peter S. Dragovich, Benjamin K. Ayida, Thomas M. Bertolini, Lian-Sheng Li, Frank Ruebsam, Nebojsa S. Stankovic, Zhongxiang Sun, Jingjing Zhao, Yuefen Zhou



**Synthesis of the C<sub>1</sub>–C<sub>12</sub> fragment of the tedanolides. Selective hydroboration–protonation of allylic alcohol approach** pp 816–819

Michael E. Jung \*, Dongwon Yoo

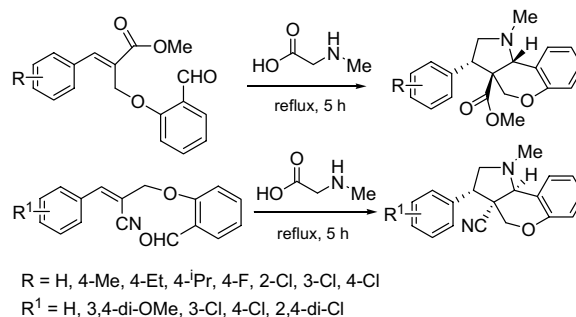


A highly stereoselective vinyl lithium addition and hydroboration–protonation of the resulting allylic alcohol permits the preparation of the completely protected C<sub>1</sub>–C<sub>12</sub> fragment **2** of the novel macrocyclic cytotoxic agent tedanolide **1**.

**Highly regio- and stereoselective synthesis of tricyclic frameworks using Baylis–Hillman derivatives** pp 820–823

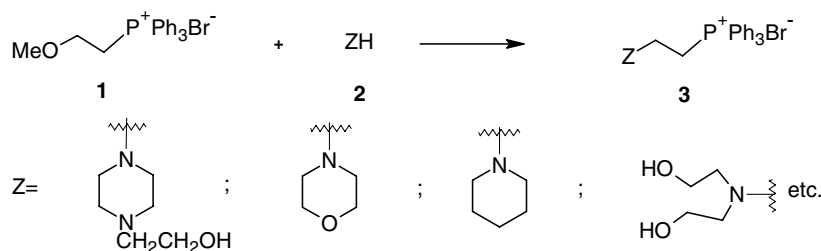
Manickam Bakthadoss \*, Nagappan Sivakumar, Govindan Sivakumar, Gandhi Murugan

A simple and convenient route for the synthesis of tricyclic chromeno[4,3-*b*]pyrrolidine frameworks using Baylis–Hillman bromides involving a substitution followed by in situ formation of an imine, decarboxylation and a [3+2] cycloaddition sequence is reported.



**Synthesis of 2-(N-disubstituted amino)ethyltriphenylphosphonium bromides** pp 824–826

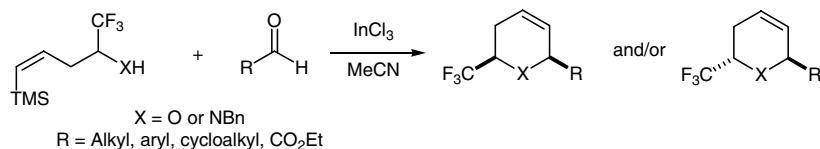
G. Venkateswara Rao, G. Chandrasekara Reddy \*



**Rapid access to CF<sub>3</sub>-containing heterocycles**

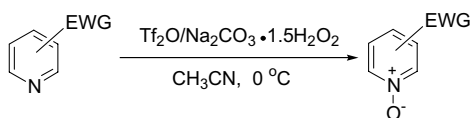
pp 827–831

Adrian P. Dobbs \*, Robert J. Parker, John Skidmore

**A novel reagent combination for the oxidation of highly electron deficient pyridines to *N*-oxides: trifluoromethanesulfonic anhydride/sodium percarbonate**

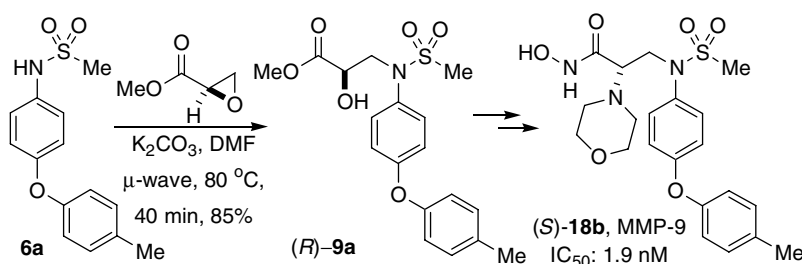
pp 832–834

Xizhen Zhu \*, Kevin D. Kreutter, Huaping Hu, Mark R. Player, Micheal D. Gaul

**Microwave assisted ring-opening of epoxides with *N*-biaryl sulfonamides in the synthesis of matrix metalloproteinase-9 inhibitors**

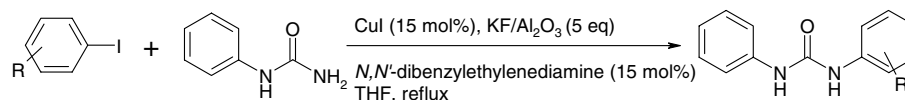
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Shyh-Ming Yang \*, William V. Murray

**Copper-catalyzed arylation of phenylurea using KF/Al<sub>2</sub>O<sub>3</sub>**

pp 840–843

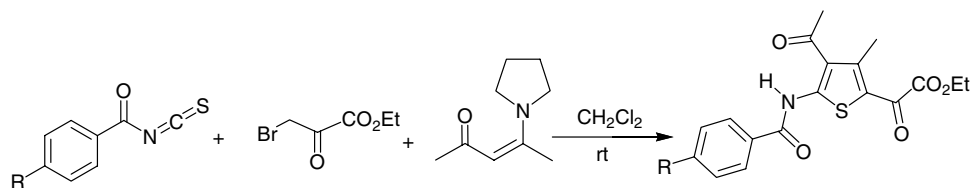
Rahman Hosseinzadeh \*, Yaghoob Sarrafi, Maryam Mohadjerani, Fatemeh Mohammadpourmir



An efficient and mild method for the coupling of aryl iodides with phenylurea using air-stable CuI as a copper source and *N,N'*-dibenzylethylenediamine as an effective ligand in the presence of KF/Al<sub>2</sub>O<sub>3</sub> as a base is described.

**Efficient synthesis of tetrasubstituted thiophenes by reaction of benzoyl isothiocyanates, ethyl bromopyruvate and enaminones** pp 844–846

Issa Yavari \*, Zinatossadat Hossaini, Maryam Sabbaghan



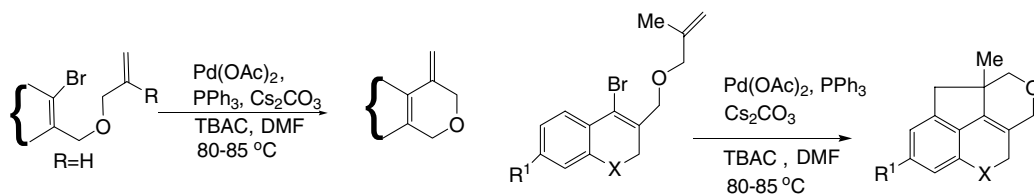
**Ag(I)-catalyzed cyclization reaction of ethyl *o*-hydroxyphenylethylnylphosphinates to phosphachromones** pp 847–850

Liang Xie, Jing Ma, Yi-Xiang Ding \*

An Ag(I)-catalyzed intramolecular cyclization of ethyl *o*-hydroxyphenylethylnylphosphinate to phosphachromones has been developed with high regioselectivity and good yields. The present reaction represents the first example of intramolecular addition of phenol to 1-alkynylphosphonates, which provides an approach to synthesize new phosphorus heterocycles. The resulting phosphachromones could have potential bioactivities.

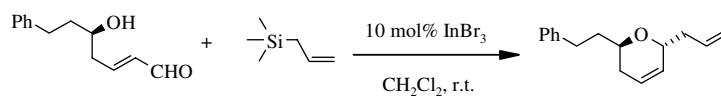
**Substrate dependent intramolecular palladium-catalysed cyclisation and subsequent  $\beta$ -H elimination or C–H activation: a general method for the synthesis of fused pyran rings** pp 851–854

Rathin Jana, Shubhankar Samanta, Jayanta K. Ray \*



**InBr<sub>3</sub>-catalyzed stereoselective synthesis of trans-2,6-disubstituted 3,6-dihydro-2H-pyrans** pp 855–857

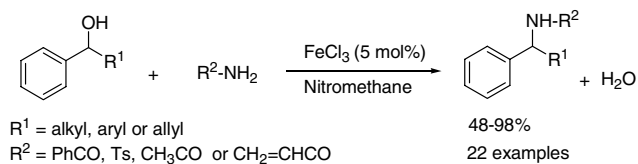
J. S. Yadav \*, V. Sunitha, B. V. Subba Reddy, P. P. Das, E. Gyanchander



**An efficient FeCl<sub>3</sub>-catalyzed amidation reaction of secondary benzylic and allylic alcohols with carboxamides or *p*-toluenesulfonamide**

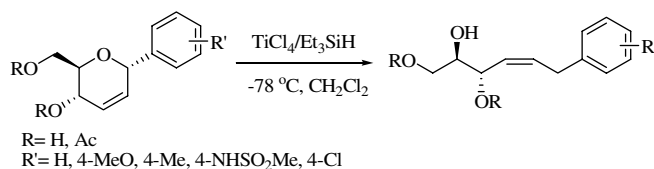
pp 858–862

Umasish Jana \*, Sukhendu Maiti, Srijit Biswas


**Titanium tetrachloride mediated reductive ring opening of C-aryl pseudoglycals**

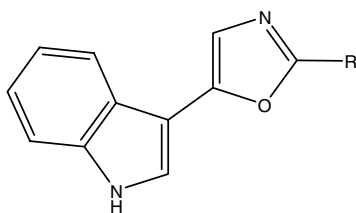
pp 863–866

Ch. Raji Reddy \*, G. Balakrishna Reddy, Ch. Lohitha Rao


**A facile synthesis of naturally occurring 5-(3-indolyl)oxazoles**

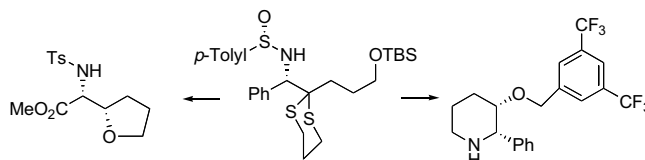
pp 867–869

Dalip Kumar \*, Swapna Sundaree, Gautam Patel, V. S. Rao


 **$\alpha$ -Amino 1,3-dithioketal mediated asymmetric synthesis of piperidines (L-733,060) and tetrahydrofuran glycines**

pp 870–872

Franklin A. Davis \*, Tokala Ramachandar

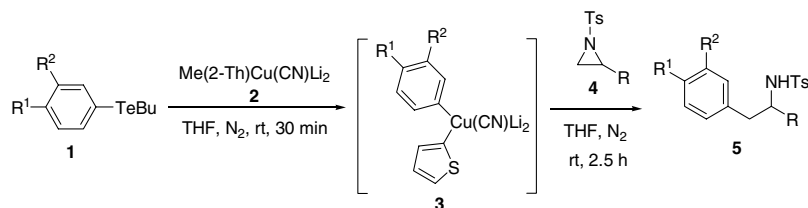




**Arylbutyltellurides as precursors of dilithium arylthienylcyanocuprates in a straightforward approach to phenethylamine derivatives**

pp 873–875

Fabiano T. Toledo, Rodrigo L. O. R. Cunha, Cristiano Raminelli, João V. Comasseto \*

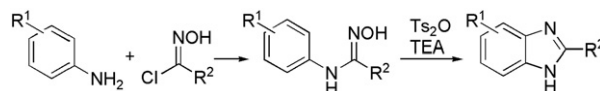


The ring opening reaction of *N*-tosyl aziridines with dilithium arylthienylcyanocuprates generated from arylbutyltellurides produced phenethylamine derivatives in good to excellent yields.

**Synthesis of substituted benzimidazoles via tosylation of *N*-aryl amidoxime**

pp 876–878

Yuhei Yamamoto \*, Takayuki Tsuritani, Toshiaki Mase

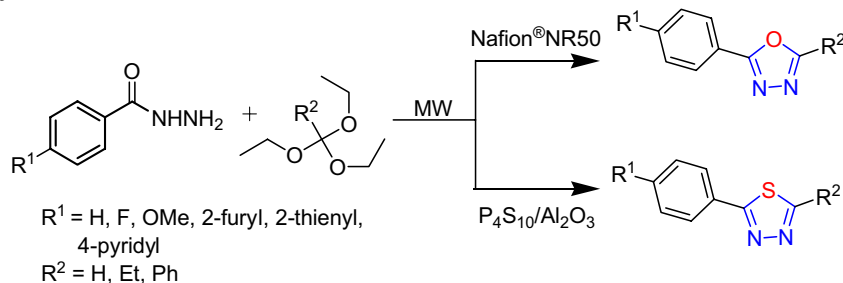


Tosylation of *N*-aryl amidoxime in the presence of TEA produces the corresponding benzimidazoles in high yields.

**Greener and rapid access to bio-active heterocycles: one-pot solvent-free synthesis of 1,3,4-oxadiazoles and 1,3,4-thiadiazoles**

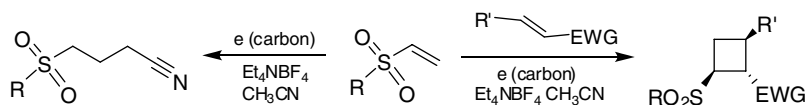
pp 879–883

Vivek Polshettiwar, Rajender S. Varma \*


**Electrocatalytic reactions: anion radical cyclobutanation reactions and electrogenerated base reactions**

pp 884–887

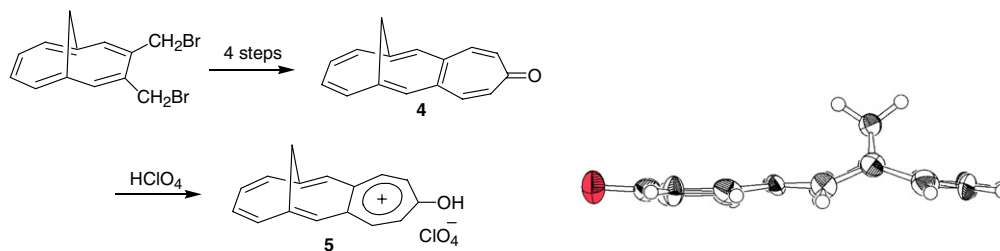
Greg A. N. Felton



**Discreteness of  $\pi$ -conjugation of 1,6-methano[10]annulene by troponoid fusion at the 3,4-positions**

pp 888–892

Yanmei Zhang, Eri Hisano, Reina Ohta, Ryuta Miyatake, Yoshikazu Horino, Mitsunori Oda\*, Shigeyasu Kuroda\*

**Aerobic oxidative iodination of organic molecules activated by sodium nitrite**

pp 893–895

Jernej Iskra\*, Stojan Stavber, Marko Zupan

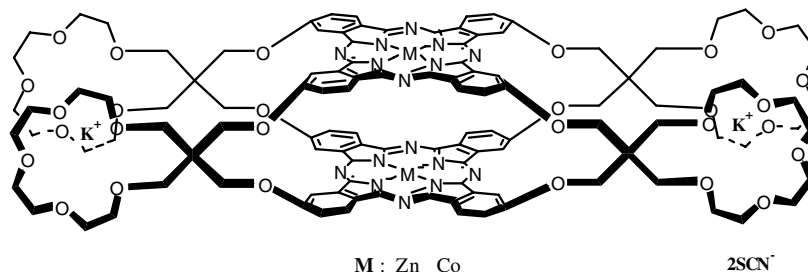


Aerobic oxidative iodination activated by sodium nitrite occurs effectively and selectively with 100% iodine atom economy, with air as the oxidant.

**Synthesis and characterization of novel cofacial bis-phthalocyanines containing 16-crown-5 ether groups**

pp 896–900

Metin Özer, Ahmet Altındal, Bekir Salih, Mustafa Bulut, Özer Bekaroğlu\*

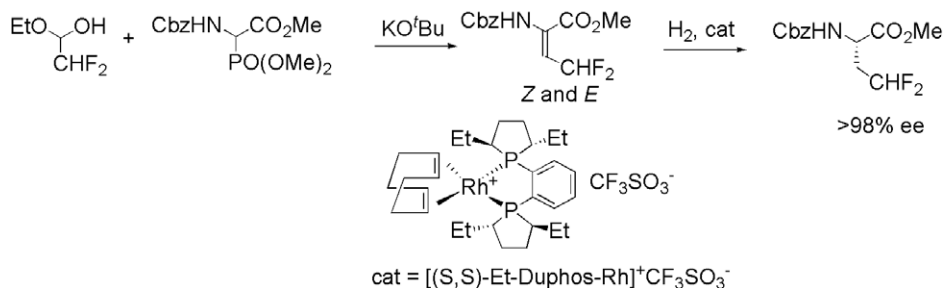


Novel cofacial bis-phthalocyanines containing crown ethers were synthesized by the cyclic condensation of dihydroxy groups at the periphery of the bisphthalocyanine complexes with tetraethyleneglycol ditosylate in the presence of NaH as base in refluxing THF.

**An efficient chiral synthesis of fluoro-containing amino acids: *N*-benzyloxycarbonyl-2-amino-4,4-difluorobutyric acid methyl ester and its analogs**

pp 901–902

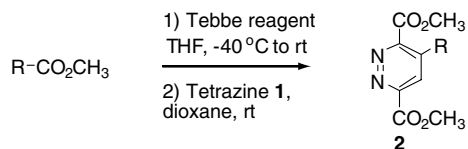
Zilun Hu\*, Wei Han



**Synthesis of pyridazines functionalized with amino acid side chains**

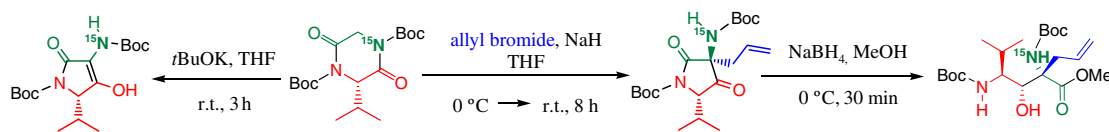
pp 903–905

Enrique Mann, Lionel Moisan, Jun-Li Hou, Julius Rebek, Jr. \*

**[<sup>15</sup>N]-Isotopic labeling: a suitable tool to study the reactivity of bis lactams**

pp 906–909

Thibault Coursindel, Daniel Farran, Jean Martinez, Georges Dewynter \*

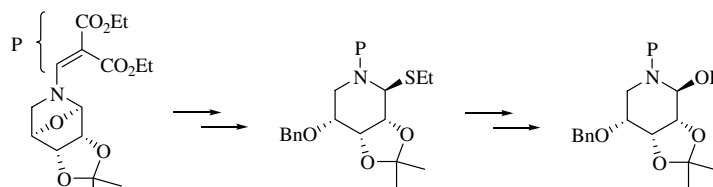


The reactivity of bis lactams is studied by [<sup>15</sup>N]-isotopic labeling, toward the transannular rearrangement of activated lactams (TRAL), a new reaction allowing access to valuable pharmacological scaffolds.

**Iminosugar thioglycosides as glycosyl donors: a route to disaccharides with an iminosugar moiety**

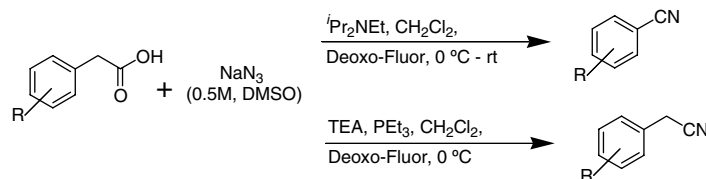
pp 910–913

José Fuentes \*, Nader R. Al Bujuq, Manuel Angulo, Consolación Gasch

**Controlled conversion of phenylacetic acids to phenylacetonitriles or benzonitriles using bis(2-methoxyethyl)aminosulfur trifluoride**

pp 914–918

Cyrus O. Kangani \*, Billy W. Day, David E. Kelley



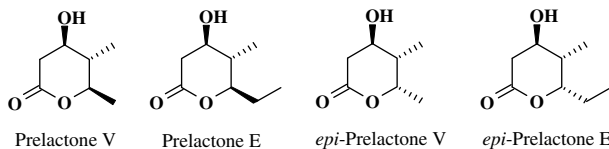
A mild, efficient, and practical method for the one-step synthesis of benzonitriles from phenylacetic acids using bis(2-methoxyethyl)aminosulfur trifluoride is described. The reaction was easily extended to the synthesis of the corresponding phenylacetonitriles by inclusion of triethylphosphine.



**A general synthetic approach for the synthesis of  $\beta$ -hydroxy- $\delta$ -lactones: asymmetric total synthesis of prelactones and *epi*-prelactones V and E**

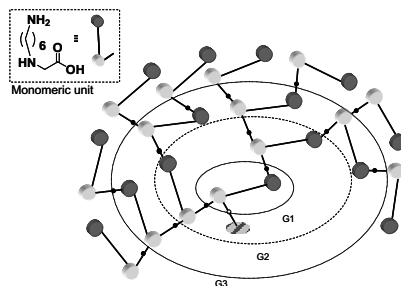
pp 919–922

Gowravaram Sabitha \*, P. Padmaja, K. Bhaskar Reddy, J. S. Yadav

**Peptoid dendrimers—microwave-assisted solid-phase synthesis and transfection agent evaluation**

pp 923–926

Juan J. Diaz-Mochon, Mario A. Fara, Rosario M. Sanchez-Martin, Mark Bradley \*



\*Corresponding author

\* Supplementary data available via ScienceDirect

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

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