

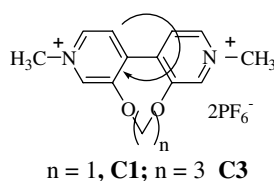
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COMMUNICATIONS

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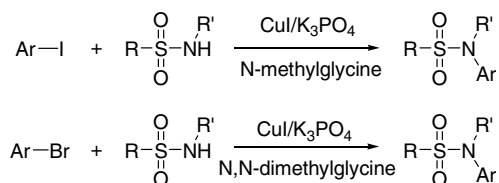
Andrew C. Benniston,* Anthony Harriman, Peiyi Li and James P. Rostron



Copper-catalyzed cross-coupling of sulfonamides with aryl iodides and bromides facilitated by amino acid ligands

pp 7295–7298

Wei Deng, Lei Liu,* Chen Zhang, Min Liu and Qing-Xiang Guo*



An efficient synthesis of LY544344·HCl: a prodrug of mGluR2 agonist LY354740

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D. Scott Coffey,* Mai Khanh Hawk, Steven W. Pedersen and Radhe K. Vaid

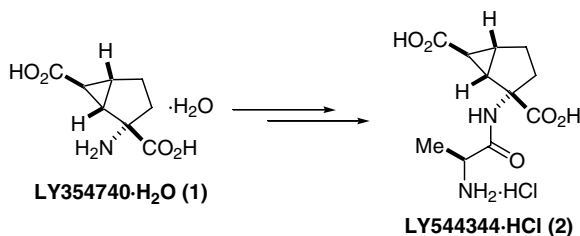
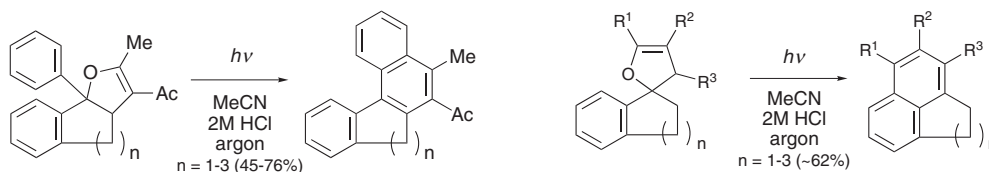


Photo-induced aromatic assembly of benzocycloalka[1,2-*b*] furan and spiro[furan-2(3*H*),1'-benzocycloalkane] derivatives

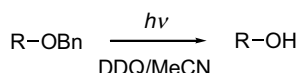
pp 7303–7306

Reika Fujino, Shougo Kajikawa and Hiroshi Nishino*


Deprotection of benzyl ethers using 2,3-dichloro-5,6-dicyano-*p*-benzoquinone (DDQ) under photoirradiation

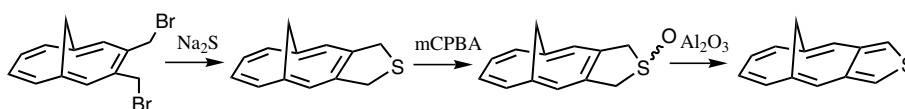
pp 7307–7309

Mohammad Abdur Rahim, Shuichi Matsumura and Kazunobu Toshima*


Synthesis and properties of 1,6-methano[10]annuleno[3,4-*c*]thiophene and its 1,3-dicyano derivative

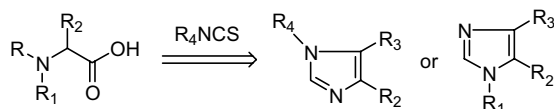
pp 7311–7314

Shigeyasu Kuroda,* Mitsunori Oda, Mizuho Nagai, Yuko Wada, Ryuta Miyatake, Tatsuki Fukuda, Hiroaki Takamatsu, Nguyen Chung Thanh, Masaru Mouri, Yanmei Zhang and Mayumi Kyogoku


Regio-controlled synthesis of *N*-substituted imidazoles

pp 7315–7319

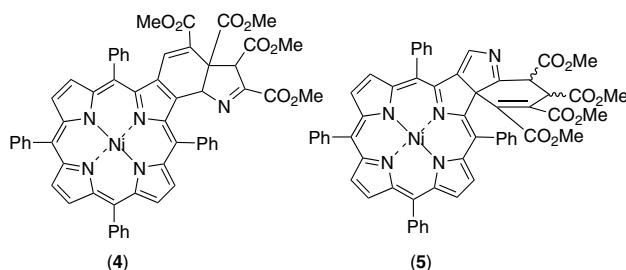
Ning Xi,* Shimin Xu, Yuan Cheng, Andrew S. Tasker, Randall W. Hungate and Paul J. Reider

A regio-specific synthesis of *N*-substituted imidazoles is described.

Diels–Alder reactions of pyrrolo[3,4-*b*]porphyrins

pp 7321–7324

Wei Liu, Frank R. Fronczek, M. Graça H. Vicente and Kevin M. Smith*

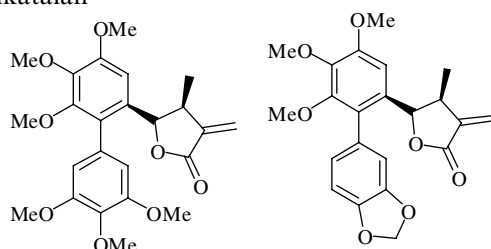


Diels–Alder reactions of nickel(II) pyrrolo[3,4-*b*]porphyrins with DMAD give benzoporphyrin diesters; two new bis-DMAD adducts (**4** and **5**) are intermediates produced by [4+2] cycloaddition and Michael addition to the pyrroloporphyrin.

The total synthesis of eupomatilones 2 and 5

pp 7325–7328

George W. Kabalka* and Bollu Venkataiah

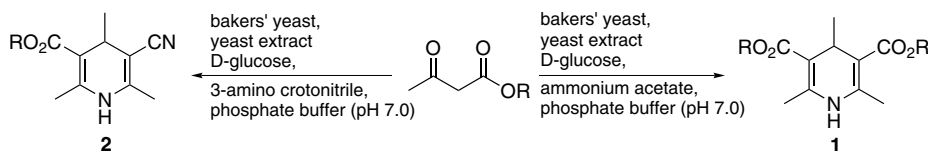


Efficient and diastereocontrolled syntheses of natural lignans eupomatilone **2** (**1**) and **5** (**2**) are described. Biaryl coupling was achieved using Suzuki chemistry. The lactone moiety was constructed using allylmetal reagents, which were synthesized from Baylis–Hillman adducts. Allylindium reagents were found to be most effective.

Synthesis of Hantsch 1,4-dihydropyridines by fermenting bakers' yeast

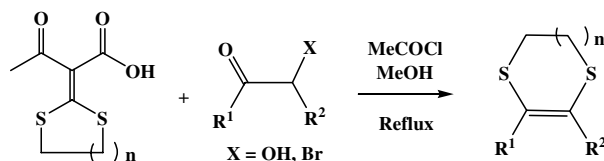
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Jung Hwan Lee


Facile synthesis of substituted dihydro-1,4-dithiins and -1,4-dithiepins from α -oxo ketene cyclic dithioacetals

pp 7331–7335

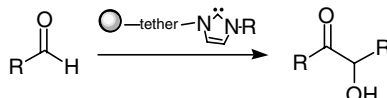
Dewen Dong,* Ran Sun, Haifeng Yu, Yan Ouyang, Qian Zhang and Qun Liu*



Imidazole based solid-supported catalysts for the benzoin condensation

pp 7337–7339

John M. D. Storey* and Craig Williamson

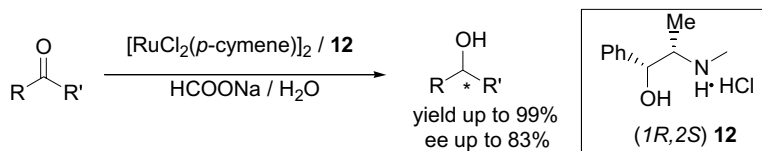


New polymer-supported imidazolium salts have been synthesised and their utility as catalysts in the benzoin reaction demonstrated.

First example of asymmetric transfer hydrogenation in water induced by a chiral amino alcohol hydrochloride

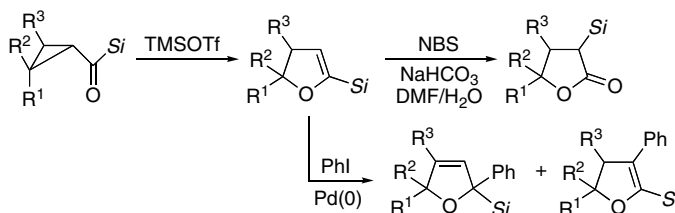
pp 7341–7344

Jincheng Mao, Boshun Wan,* Fan Wu and Shiwei Lu*

**An efficient synthesis of 5-silyl-2,3-dihydrofurans via acid-catalyzed ring-enlargement of cyclopropyl silyl ketones and their functionalization**

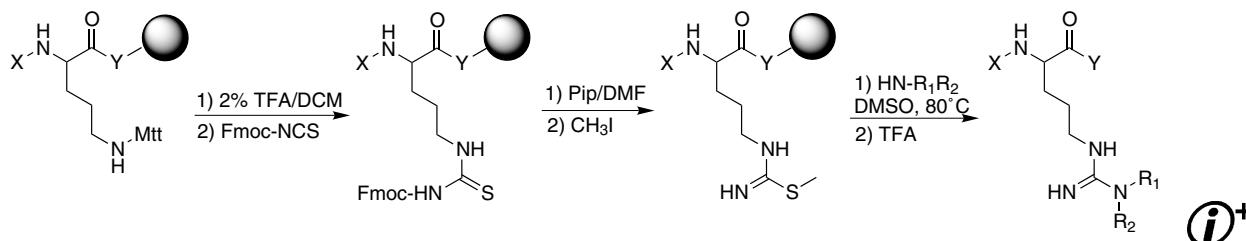
pp 7345–7348

Mitsunori Honda,* Tomoyuki Naitou, Hiromitsu Hoshino, Seiji Takagi, Masahito Segi and Tadashi Nakajima

**Solid phase synthesis of mono- or disubstituted arginine containing peptides from an isothiocitrulline precursor**

pp 7349–7353

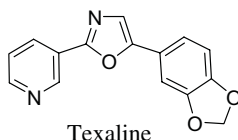
Abdallah Hamzé, Céline Gandreuil, Vincent Lisowski, Florence Andureau, Pierre Fulcrand, Jean Martinez and Jean-François Hernandez*



Antimycobacterial natural products: synthesis and preliminary biological evaluation of the oxazole-containing alkaloid texaline

pp 7355–7357

Anna C. Giddens, Helena I. M. Boshoff, Scott G. Franzblau, Clifton E. Barry, III and Brent R. Copp*

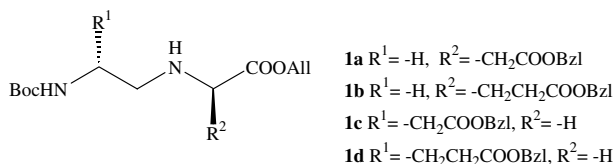


Texaline, an antimycobacterial oxazole-containing alkaloid, and related compounds, have been synthesized in order to explore aspects of the structure–antituberculosis activity relationship. While texaline was found to be inactive in our assays, simpler diaryloxazoles were more active leading to their identification as potential lead compounds.

Synthesis of protected pseudopeptides from dicarboxylic amino acids by Mitsunobu condensation

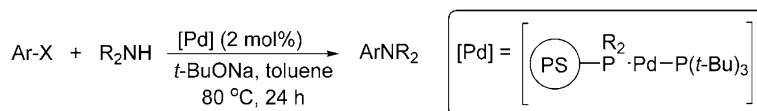
pp 7359–7362

Natalya P. Boyarskaya, Denis I. Prokhorov, Yuliya G. Kirillova,* Elena N. Zvonkova and Vitaliy I. Shvets

**Recyclable polymer-supported Pd catalysts for aryl amination reactions**

pp 7363–7366

Meritxell Guinó and King Kuok (Mimi) Hii*

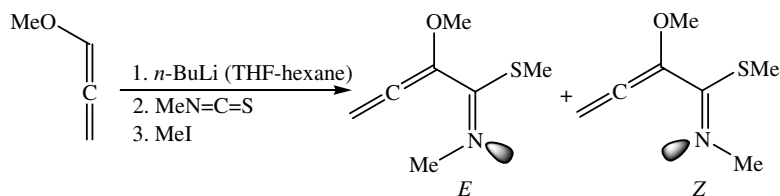


Polymer-supported palladium catalysts were prepared from three commercially available phosphine-functionalised polymers (PS-PR₂), Pd₂(dba)₃ and P(*t*-Bu)₃. Catalyst stability was investigated using VT ³¹P NMR spectroscopy. One of the catalysts can be reused in the amination of bromobenzene and chlorotoluene, up to three times, without loss in yield. Recyclability of the catalysts is dependent on the method of preparation and the nature of the polymer-bound phosphine.

The first example of the configurational assignment at the C=N bond of allenylthioimides

pp 7367–7371

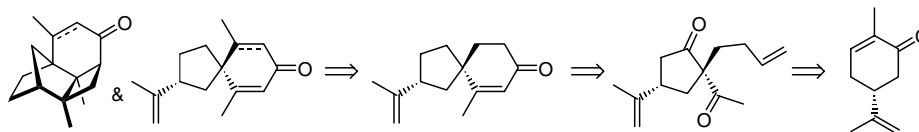
Leonid B. Krivdin* and Nina A. Nedolya



Enantiospecific total synthesis of phytoalexins, (+)-solanascone, (+)-dehydrosolanascone, and (+)-anhydro- β -rotunol

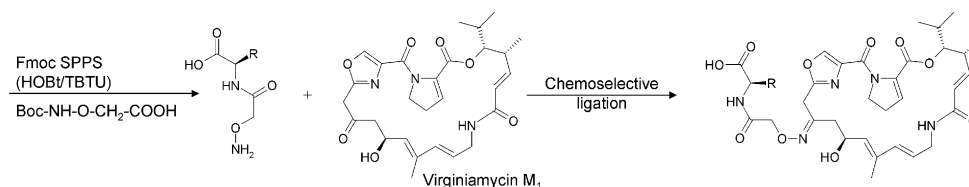
pp 7373–7376

A. Srikrishna* and S. S. V. Ramasastry


A chemoselective ligation for the synthesis of amino acid derivatives of virginiamycin M₁

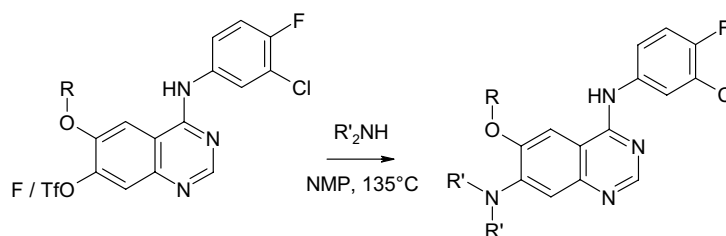
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Katherine Nott,* Samuel Dufour, Francis Gosselé, Sylvie Heilporn, Pascal Gerbaux, Patrick Rollin, Arnaud Tatibouët, Georges Lognay, Bernard Wathelet and Michel Paquot


Facile synthesis of 7-amino anilinoquinazolines via direct amination of the quinazoline core

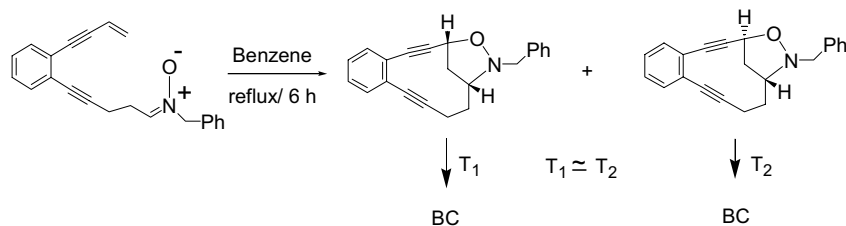
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Craig S. Harris,* Jason G. Kettle and Emma J. Williams


Intramolecular 1,3-dipolar nitron cycloaddition route to bicyclic fused enediyne

pp 7385–7388

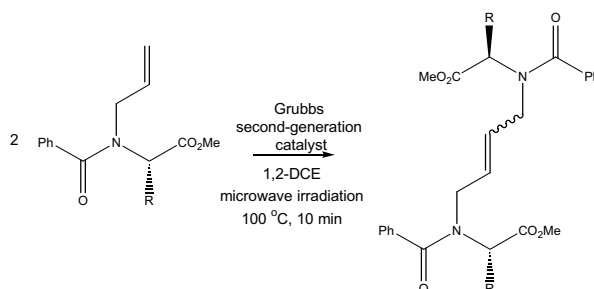
Amit Basak* and Subhash C. Ghosh



Microwave-accelerated cross-metathesis reactions of *N*-allyl amino acid substrates

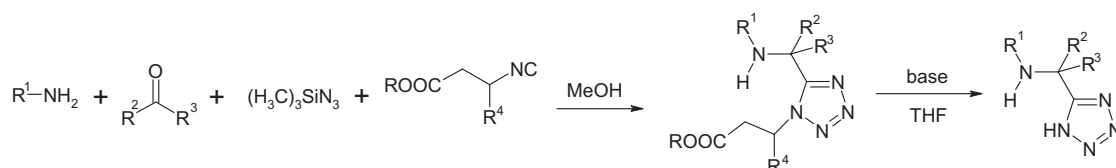
pp 7389–7392

Sally-Ann Poulsen* and Laurent F. Bornaghi

**New cleavable isocyanides for the combinatorial synthesis of α -amino acid analogue tetrazoles**

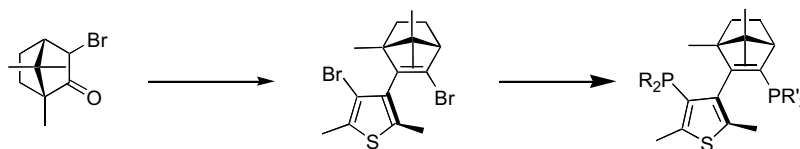
pp 7393–7396

Josef Mayer,* Michael Umkehrer, Cédric Kalinski, Günther Ross, Jürgen Kolb, Christoph Burdack and Wolfgang Hiller

**Chiral diphosphine ligands based on camphor: synthesis and applications in asymmetric hydrogenations**

pp 7397–7400

Renat Kadyrov,* Ilyas Z. Ilaldinov, Juan Almena, Axel Monsees and Thomas H. Riermeier

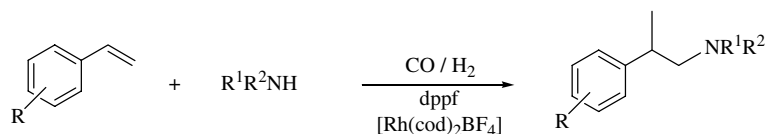


The synthesis of a novel class of atropisomer chiral diphosphine ligands with a bornene framework is described. The new ligands showed in Rh catalyzed asymmetric hydrogenation of α - and β -enamides very high ee's (more than 99%).

An improved protocol for the selective hydroaminomethylation of arylethylenes

pp 7401–7405

Lucie Routaboul, Cathleen Buch, Holger Klein, Ralf Jackstell and Matthias Beller*



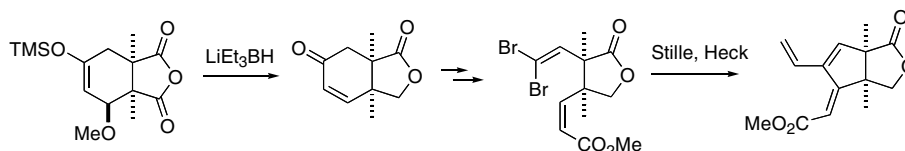
yield up to 99%, selectivity up to 95:5

A catalyst system composed of a rhodium precursor and dppf as ligand catalyzes efficiently the hydroaminomethylation of arylethylenes. The reaction proceeds under mild conditions affording the corresponding branched amines in good yield and selectivity.

Synthetic studies toward merrilactone A: a short synthesis of AB ring motif

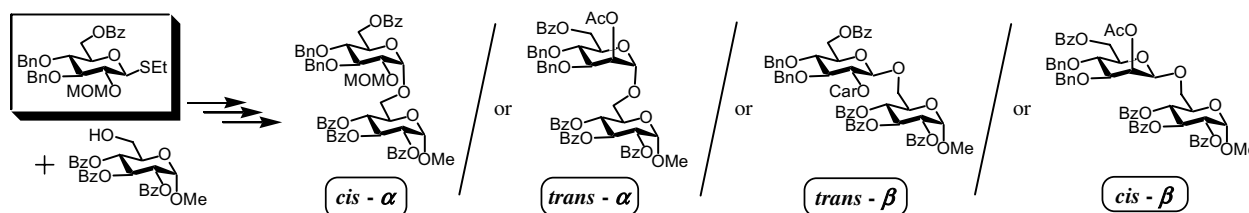
pp 7407–7410

Kenichi Harada, Hiroaki Kato and Yoshiyasu Fukuyama *


Convenient construction of a variety of glycosidic linkages using a universal glucosyl donor

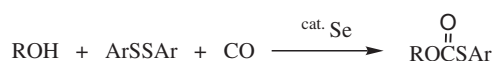
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Ken-ichi Sato,* Shoji Akai, Koudai Sakai, Masaru Kojima, Hideshige Murakami and Tetsuya Idoji


A new method for synthesis of S-aryl-O-alkyl thiolcarbonates: selenium-catalyzed reaction of alcohols with carbon monoxide and diaryl disulfides

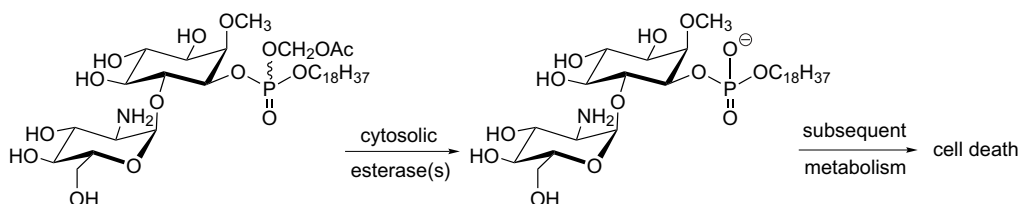
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Yutaka Nishiyama,* Ken Maehira, Junko Nakase and Noboru Sonoda*


Synthesis of a cell-permeable analogue of a glycosylphosphatidylinositol (GPI) intermediate that is toxic to the living bloodstream form of *Trypanosoma brucei*

pp 7419–7421

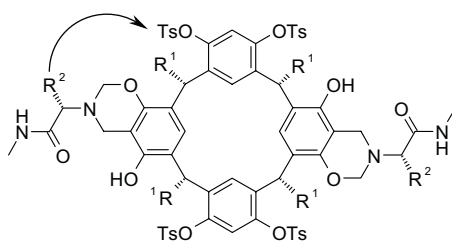
Arthur Crossman, Jr., Terry K. Smith, Michael A. J. Ferguson* and John S. Brimacombe



Diastereoselective formation of cyclochiral amino acids-substituted resorcin[4]arenes

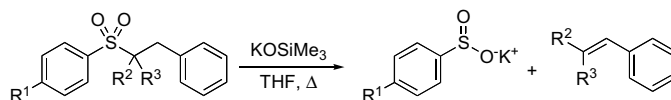
pp 7423–7426

Agnieszka Szumna,* Michał Górski and Oleg Lukin

**Alkene synthesis: elimination of arenesulfinic acid from alkyl aryl sulfones using potassium trimethylsilanolate as base**

pp 7427–7430

Charles A. G. Baker-Glenn, Anthony G. M. Barrett, Andrew A. Gray, Panayiotis A. Procopiou* and Mark Ruston

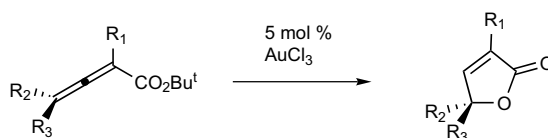


Aryl benzylic and aryl homoallylic sulfones were converted into the corresponding (*E*)-alkenes or dienes by KOSiMe₃ mediated elimination of ArSO₂K in THF at 70 °C.

Gold-catalyzed cyclization of *tert*-butyl allenolate: general synthesis of 2,4-functionalized butenolides

pp 7431–7433

Ji-Eun Kang, Eun-Sun Lee, Sang-Il Park and Seunghoon Shin*

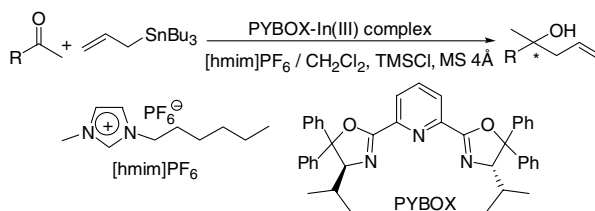


AuCl₃ efficiently catalyzes cyclization of *tert*-butyl allenolates into γ -butenolides. Advantage of directly using allenic ester precursor instead of corresponding acid is demonstrated in the synthesis of a variety of 2,4-disubstituted butenolides. A low catalyst loading and mild reaction condition makes this process attractive alternative over conventional methods using strong Lewis acids.

**Asymmetric allyltributylstannane addition to ketones catalyzed by chiral PYBOX–In(III) complex immobilized in ionic liquid**

pp 7435–7437

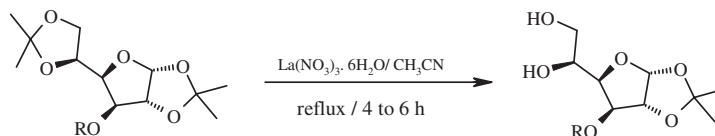
Jun Lu, Shun-Jun Ji,* Yong-Chua Teo and Teck-Peng Loh*



A mild and efficient method for the chemoselective deprotection of acetonides with lanthanum(III) nitrate hexahydrate

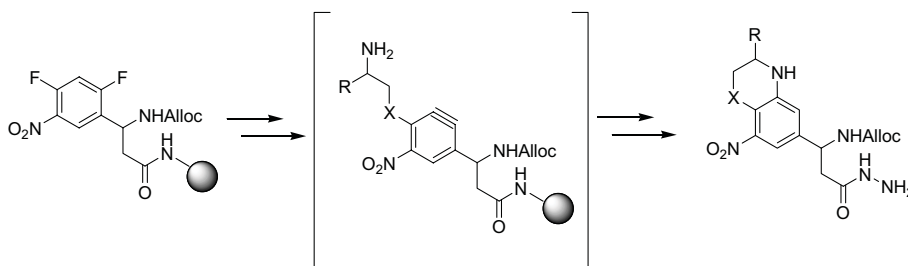
pp 7439–7441

S. Malla Reddy, Y. Venkat Reddy and Y. Venkateswarlu*


Solid-phase synthesis of quinoxaline, thiazine, and oxazine analogs through a benzyne intermediate

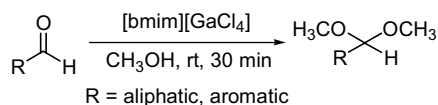
pp 7443–7446

Seth Dixon, Xiaobing Wang, Kit S. Lam and Mark J. Kurth*


Microwave-assisted preparation of 1-butyl-3-methylimidazolium tetrachlorogallate and its catalytic use in acetal formation under mild conditions

pp 7447–7449

Yong Jin Kim and Rajender S. Varma*

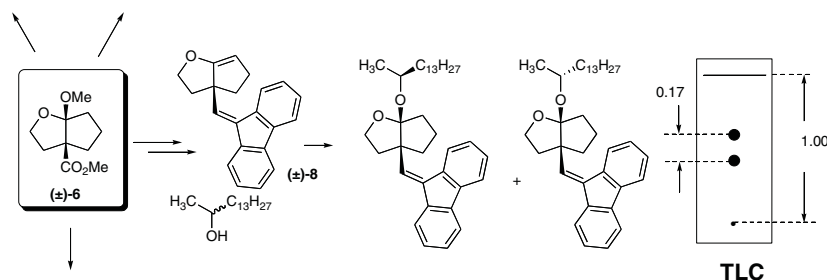


A mild and facile transformation of various aldehydes into acetals is achieved in the presence of a catalytic amount of 1-butyl-3-methylimidazolium tetrachlorogallate.

An efficient method for the synthesis of hydrocyclopenta[1,2-*b*]furan with various side chains at 3a-position

pp 7451–7454

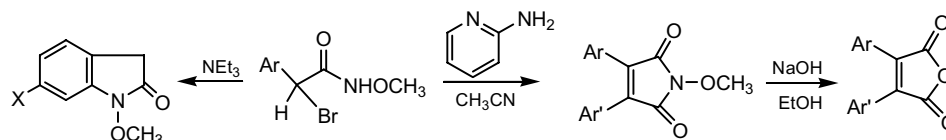
Weihui Zhong, Jun Xie, Xian Peng, Tomoyuki Kawamura and Hisao Nemoto*



Synthèse en une étape de *N*-méthoxyindolinones, de *N*-méthoxymaléimides et d'anhydrides maléiques à partir d'acides hydroxamiques α -halogénés

pp 7455–7458

Saïd Boukhris* et Abdelaziz Souizi

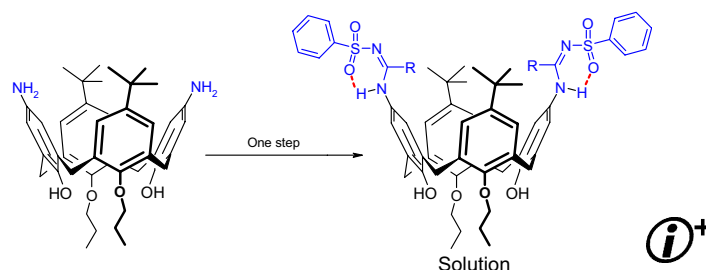


Calix[4]arenesulfonylamidines. Synthesis, structure and influence on Mg^{2+} , ATP-dependent calcium pumps

pp 7459–7462

Roman Rodik, Vyacheslav Boiko, Oksana Danylyuk, Kinga Suwinska, Ivan Tsymbal, Natalya Slinchenko, Lidiya Babich, Sergiy Shlykov, Sergiy Kosterin, Janusz Lipkowski and Vitaly Kalchenko*

The effect of calixarenesulfonylamidines on Ca^{2+} exchange in smooth muscle might be useful for identifying the role of the Mg^{2+} , ATP-dependent Ca^{2+} pumps of the sarcoplasmic reticulum and plasma membrane in regulation of free Ca^{2+} concentration in cells.



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*Corresponding author

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