

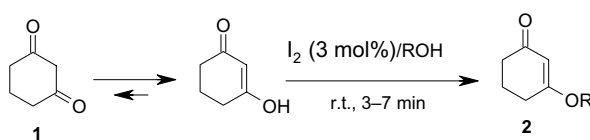
Contents

COMMUNICATIONS

Iodine-catalyzed synthesis of β -keto enol ethers

pp 7187–7188

Rajesh S. Bhosale, Sidhanath V. Bhosale, Sheshanath V. Bhosale, Tianyu Wang and P. K. Zubaidha*

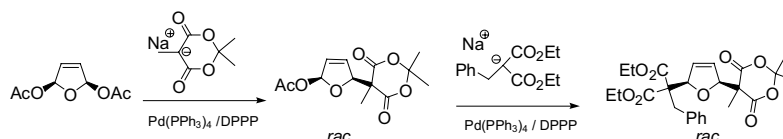


The use of iodine, as a catalyst for the synthesis of β -keto enol ethers at room temperature is reported.

Use of palladium-mediated allylic substitution reactions in the synthesis of 2,5-disubstituted-2,5-dihydrofurans

pp 7189–7192

D. Bradley G. Williams* and Stephen J. Evans



Studies in multidrug resistance reversal: a rapid and stereoselective synthesis of the dihydroagarofuran ring system

pp 7193–7196

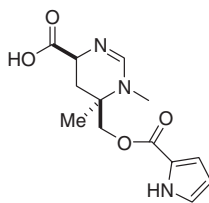
Christopher A. Lee and Paul E. Floreancig*



Total synthesis of (±)-manzacidin D

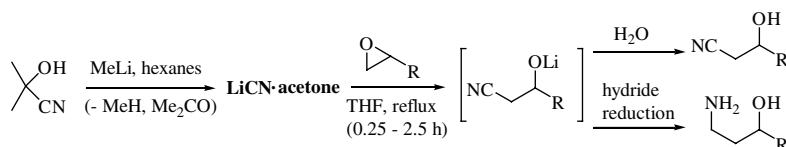
pp 7197–7199

Christian Drouin, Jacqueline C. S. Woo, D. Bruce MacKay* and Roch M. A. Lavigne

**Synthesis of β-hydroxy nitriles and 1,3-amino alcohols from epoxides using acetone cyanohydrin as a LiCN precursor**

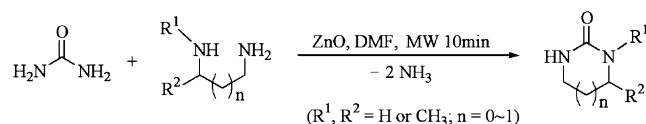
pp 7201–7204

James A. Ciaccio,* Michael Smrcka, William A. Maio and David Rucando

**Microwave-assisted preparation of cyclic ureas from diamines in the presence of ZnO**

pp 7205–7208

Yong Jin Kim and Rajender S. Varma*

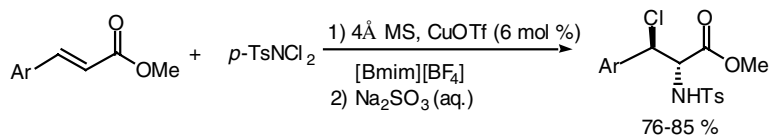


A MW-assisted direct synthesis of cyclic ureas has been developed that proceeds expeditiously in the presence of ZnO thus shortening its reaction time; the process also eliminates the formation of byproducts when compared to the traditional methods involving conventional heating.

Ionic liquid media resulted in more efficient regio- and stereoselective aminohalogenation of cinnamic esters

pp 7209–7212

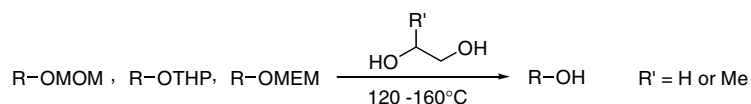
S. R. S. Saibabu Kotti, Xin Xu, Yining Wang, Allan D. Headley* and Guigen Li*



Simple deprotection of acetal type protecting groups under neutral conditions

pp 7213–7215

Hideyoshi Miyake,* Takatsugu Tsumura and Mitsuru Sasaki

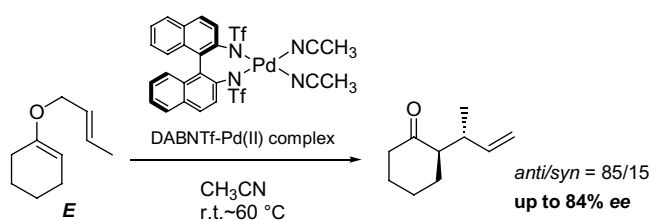


Heating acetals with ethylene glycol causes the deprotection of acetal type protecting groups.

Enantioselective catalysis of Claisen rearrangement by DABNTf-Pd(II) complex

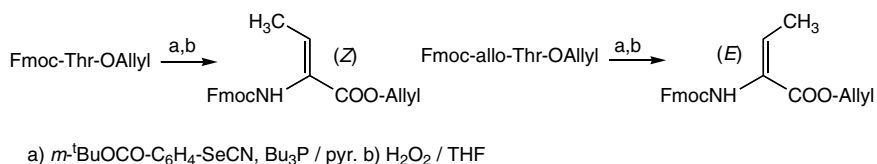
pp 7217–7220

Katsuhiro Akiyama and Koichi Mikami*

**Selective synthesis of dehydroamino acids from threonines**

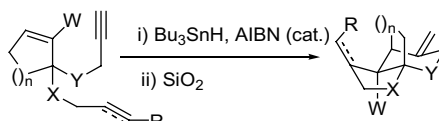
pp 7221–7224

Kazuhiko Nakamura,* Tetsuya Isaka, Hiroaki Toshima and Masato Kodaka

**A tandem radical cyclization route to tricyclo[4.3.*n*.0^{1,5}]alkanes**

pp 7225–7229

Hee-Yoon Lee,* Sejin Lee, Byung Gyu Kim and Jong Soo Bahn

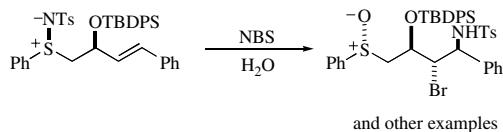


A facile route to tricyclo[4.3.*n*.0^{1,5}]alkane skeletons from conjugated cyclic enones was developed through tandem free radical cyclization reaction sequence involving the cyclopropylmethyl radical mediated rearrangement. The scope and limitation of the reaction was investigated.

Regio- and stereoselective transfer of *p*-toluenesulfonamido group from sulfur to carbon: preparation of aminoalcohol derivatives from allyl alcohols

pp 7231–7234

Sadagopan Raghavan,* Ch. Naveen Kumar, K. A. Tony, S. Ramakrishna Reddy and K. Ravi Kumar

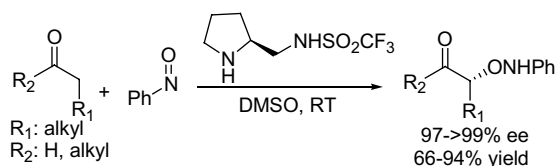


Stereospecific transformation of sulfilmines to sulfoxides and regio- and stereoselective transformation of alkenes to bromosulfonamides is disclosed.

An amine sulfonamide organocatalyst for promoting direct, highly enantioselective α -aminoxylation reactions of aldehydes and ketones

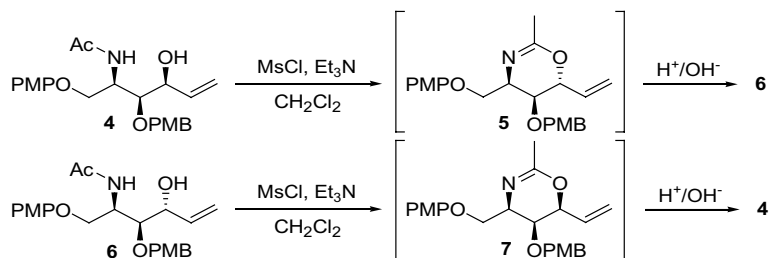
pp 7235–7238

Wei Wang,* Jian Wang, Hao Li and Lixin Liao


Oxazine formation by MsCl/Et₃N as a convenient tool for the stereochemical interconversion of the hydroxyl group in *N*-acetyl 1,3-aminoalcohols. Asymmetric synthesis of *N*-acetyl *L*-xylo- and *L*-arabino-phytosphingosines

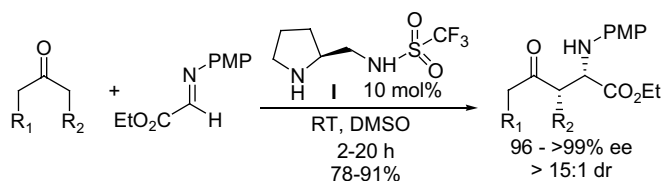
pp 7239–7242

Om V. Singh, Dorothy J. Kampf and Hyunsoo Han*

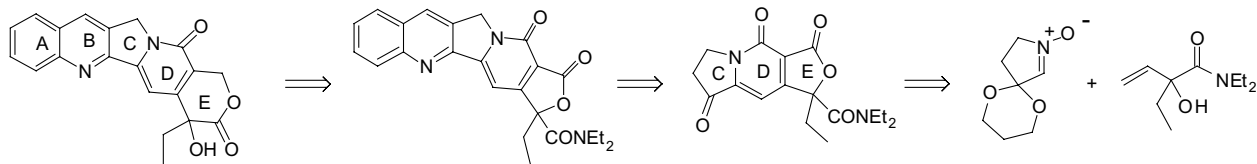

Catalysis of highly stereoselective Mannich-type reactions of ketones with α -imino esters by a pyrrolidine-sulfonamide. Synthesis of unnatural α -amino acids

pp 7243–7246

Wei Wang,* Jian Wang and Hao Li

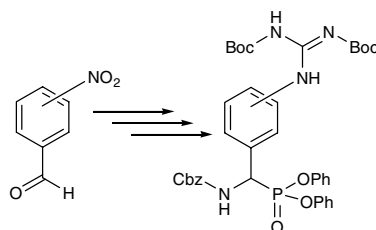


Synthesis of (±)-camptothecin using a [3+2] nitron cycloaddition to construct the CDE ring moiety pp 7247–7250
 Jurong Yu,* Jeffrey DePue and David Kronenthal



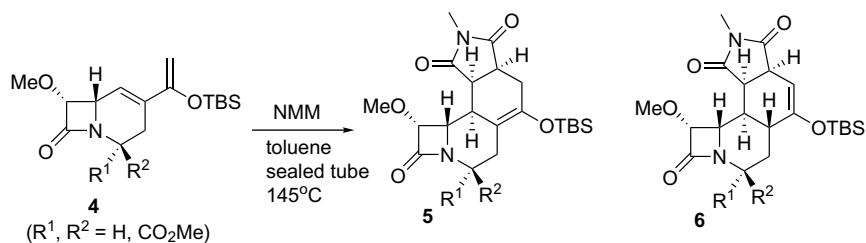
A novel synthesis to camptothecin is described. A Friedlander condensation of *o*-aminobenzaldehyde with tricyclic ketone affords camptothecin after further elaboration. Tricyclic ketone is prepared via a route employing a [3+2] nitron cycloaddition and an intramolecular Knoevenagel condensation.

A convenient synthesis of new α -aminoalkylphosphonates, aromatic analogues of arginine as inhibitors of trypsin-like enzymes pp 7251–7254
 Marcin Sienczyk* and Jozef Oleksyszyn

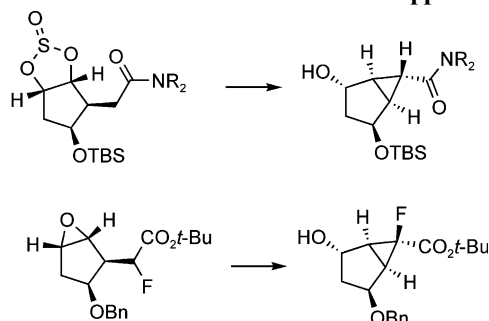


A simple and efficient protocol for the synthesis of new *N*-protected α -aminoalkylphosphonic diphenyl esters—aromatic analogues of arginine—is presented.

Access to enantiopure polycyclic β -lactams by Diels–Alder reaction of novel inner-outer-ring 2-(silyloxy)dienes with a carbacepham skeleton pp 7255–7259
 Benito Alcaide,* Rosa M. de Murga, Carmen Pardo and Carolina Rodríguez-Ranera



Enantioselective syntheses of bicyclo[3.1.0]hexane carboxylic acid derivatives by intramolecular cyclopropanation pp 7261–7264
 Naoki Yoshikawa,* Lushi Tan, Nobuyoshi Yasuda, Ralph P. Volante and Richard D. Tillyer

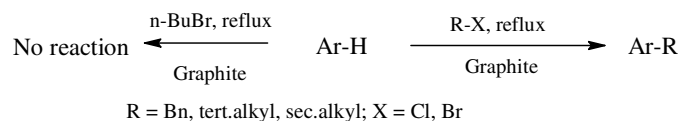


The title compounds serve as intermediates for the synthesis of mGluR agonists, which are useful for the treatment of CNS-related disorders.

Alkylation on graphite in the absence of Lewis acids

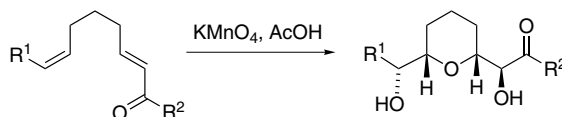
Grigoriy A. Sereda*

pp 7265–7267

Stereoselective synthesis of *cis*-2,6-bis-hydroxyalkyl-tetrahydropyrans by the permanganate promoted oxidative cyclisation of 1,6-dienes

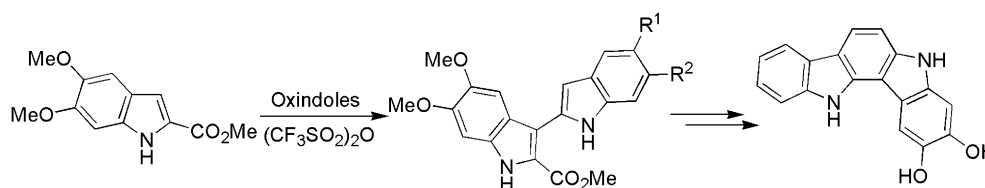
Alex R. L. Cecil and Richard C. D. Brown*

pp 7269–7271

Synthesis of 2,3'-biindolyls and indolo[3,2-*a*]carbazoles

Niklas Wahlström and Jan Bergman*

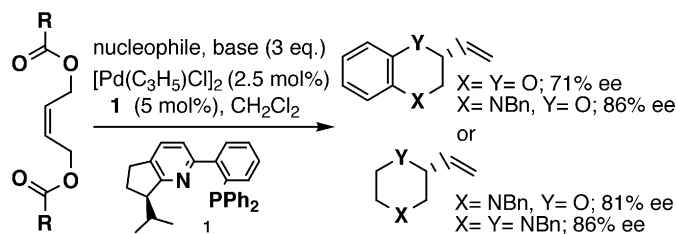
pp 7273–7275



Palladium-catalyzed asymmetric tandem allylic substitution using chiral 2-(phosphinophenyl)pyridine ligand

Katsuji Ito,* Yoshikatsu Imahayashi, Tomomi Kuroda, Shuichiro Eno, Bunnai Saito and Tsutomu Katsuki*

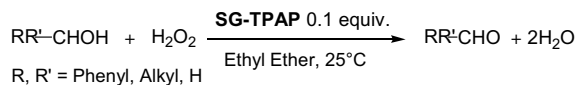
pp 7277–7281



Alcohols oxidation with hydrogen peroxide promoted by TPAP-doped ormosils

pp 7283–7286

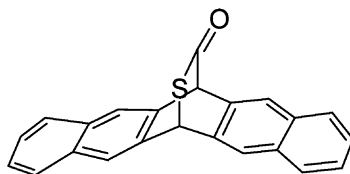
Sandro Campestrini,* Massimo Carraro, Rosaria Ciriminna,
Mario Pagliaro and Umberto Tonellato



Synthesis and thermolysis of a Diels–Alder adduct of pentacene and thiophosgene

pp 7287–7289

Nathalie Vets, Mario Smet and Wim Dehaen*

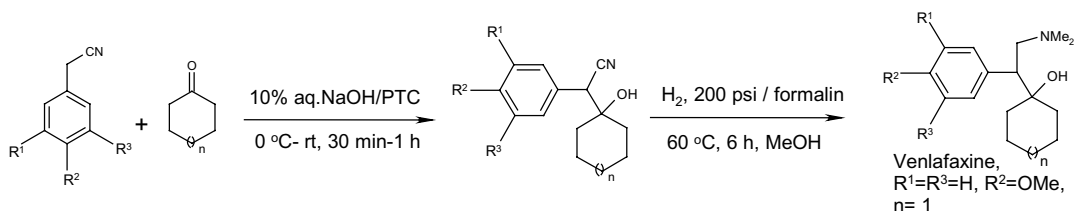


A new reduction methodology to prepare pentacene from pentacenequinone, has been developed. In order to solve the problems of solubility and stability of pentacene occurring when using pentacene in OTFTs, a Diels–Alder adduct of pentacene and thiophosgene, has been prepared. The retro-Diels–Alder reaction, which converts the adduct back to pentacene, has been studied.

An efficient and green protocol for the preparation of cycloalkanols: a practical synthesis of venlafaxine

pp 7291–7295

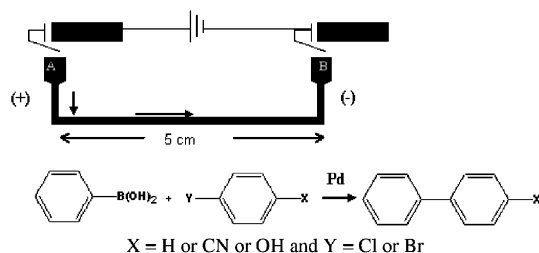
Subhash P. Chavan,* Dushant A. Khobragade, Subhash K. Kamat, Latha Sivadasan,
Kamalam Balakrishnan, T. Ravindranathan, Mukund K. Gurjar and Uttam R. Kalkote



Design of a capillary-microreactor for efficient Suzuki coupling reactions

pp 7297–7300

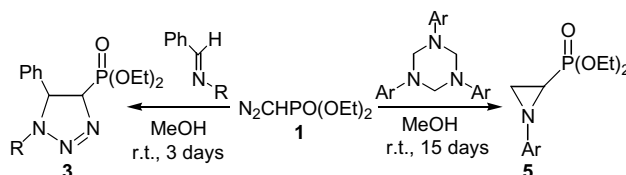
Chanbasha Basheer, Fathima Shahitha Jahir Hussain, Hian Kee Lee* and Suresh Valiyaveetil*



**1,3-Dipolar addition of diethyl diazomethylphosphonate onto a C=N double bond.
Synthesis of triazoliny and aziridiny phosphonates**

pp 7301–7302

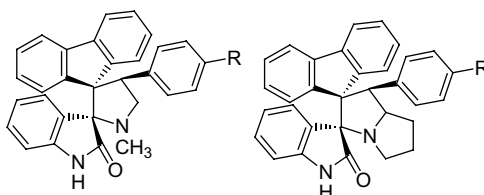
Romuald Bartnik, Stanisław Leśniak* and Piotr Wasiak



**A facile synthesis of novel dispiroheterocycles through solvent-free microwave-assisted
[3+2] cycloaddition of azomethine ylides**

pp 7303–7305

Jayadevan Jayashankaran, Rathna Durga R. S. Manian and Raghavachary Raghunathan*

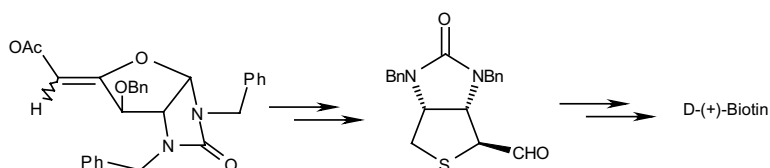


Synthesis of novel dispiro oxindole derivatives through microwave-assisted [3+2] cycloaddition reactions of azomethine ylides is described.

Total synthesis of D-(+)-biotin

pp 7307–7310

Subhash P. Chavan,* Guduru Ramakrishna, Rajesh G. Gonnade and Mohan M. Bhadbhade

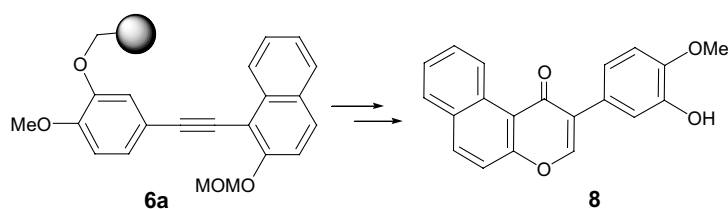


The total synthesis of D-(+)-biotin has been described starting from D-(+)-glucosamine using acyliminium chemistry.

Solid-phase synthesis of 4H-2-(3-hydroxy-4-methoxyphenyl)naphtho[1,2-b]pyran-1-one

pp 7311–7314

Pablo Cironi, Fernando Albericio* and Mercedes Álvarez*

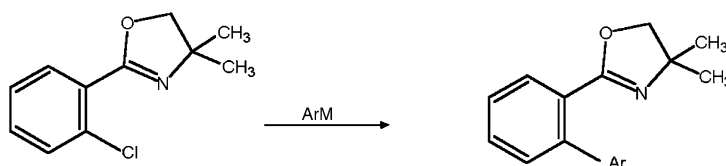


An effective solid-phase preparation of the pharmaceutically interesting 4H-2-(3-hydroxy-4-methoxyphenyl)naphtho[1,2-b]pyran-1-one system from an anchored bisarylacetylene is described.

Uncatalysed coupling of an activated aryl chloride with aryllithium and aryl Grignard reagents

pp 7315–7317

Demet Astley, Hava Saygi, Sibel Gezer and Stephen T. Astley*

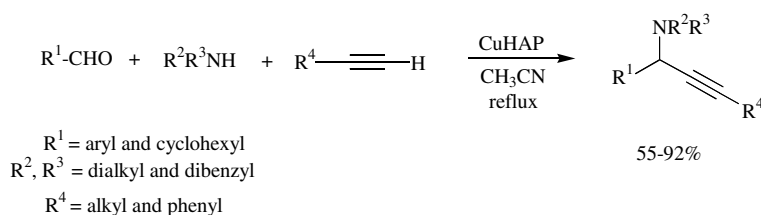


Formation of biaryls occurs in reasonable yields under convenient conditions for both aryllithium reagents and aryl Grignard reagents.

Hydroxyapatite supported copper catalyst for effective three-component coupling

pp 7319–7321

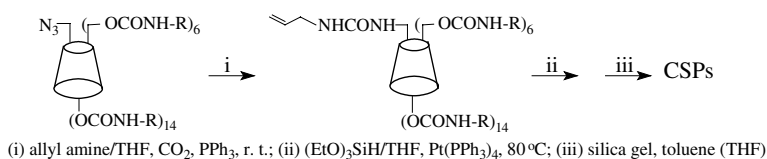
Boyapati M. Choudary,* Chidara Sridhar, Mannepalli L. Kantam and Bojja Sreedhar



Arylcarbamoylated allylcarbamido-β-cyclodextrin: synthesis and immobilization on nonfunctionalized silica gel as a chiral stationary phase

pp 7323–7326

Zheng-Wu Bai, Xiang-Hua Lai, Lei Chen, Chi-Bun Ching and Siu-Choon Ng*

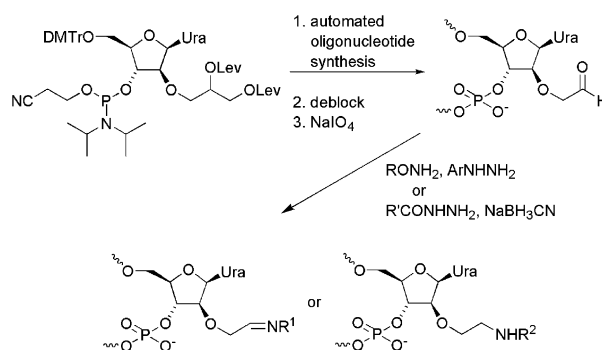


Four new chiral stationary phases based on mono-(6^A-allylcarbamido-6^A-deoxy)-arylcarbamoylated β-cyclodextrin were synthesized. The chiral stationary phase of phenylcarbamoylated β-cyclodextrin exhibited excellent separation capability for a variety of chiral compounds. Compared with previous work, it was found that the spacer remained on the surface of the silica gel and decreased the enantioseparation capability.

Efficient conjugation and preferential DNA binding of oligonucleotides containing 2'-O-(2-oxoethyl)arabinouridine

pp 7327–7330

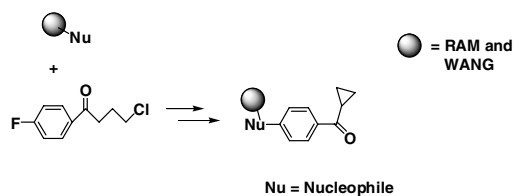
Timofei S. Zatsepin, Yulia M. Ivanova, Dmitry A. Stetsenko, Michael J. Gait and Tatiana S. Oretskaya*



In situ cyclopropanation: a rapid one-pot method for the synthesis of resin bound cyclopropyl phenyl methanones as combinatorial scaffolds

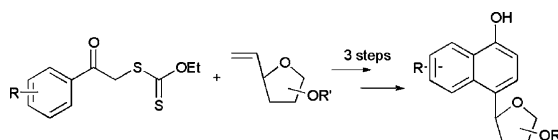
pp 7331–7334

Rajesh K. Grover, Ram Chandra Mishra, Bijoy Kundu, Rama Pati Tripathi* and Raja Roy*


A new access to C-arylglycosides related to the gilvocarcins

pp 7335–7338

Alejandro Cordero-Vargas,* Béatrice Quiclet-Sire and Samir Z. Zard

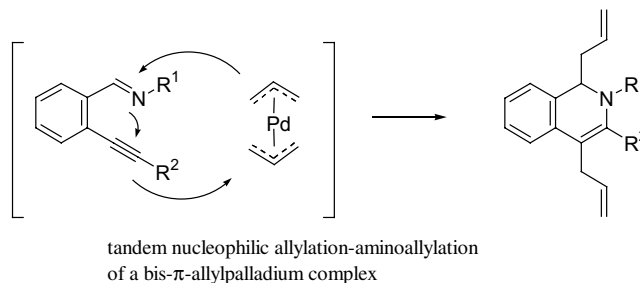


A new strategy has been developed for the synthesis of C-aryl glycosides based on a xanthate-mediated free radical addition–cyclization sequence of an acetophenone xanthate to a vinylic carbohydrate followed by aromatization.


Synthesis of 1,2-dihydroisoquinolines via the reaction of ortho-alkynylarylimines with bis-π-allylpalladium

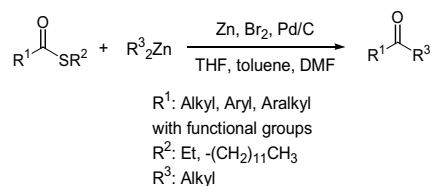
pp 7339–7341

Manabu Ohtaka, Hiroyuki Nakamura and Yoshinori Yamamoto*


A novel procedure for the synthesis of multifunctional ketones through the Fukuyama coupling reaction employing dialkylzincs

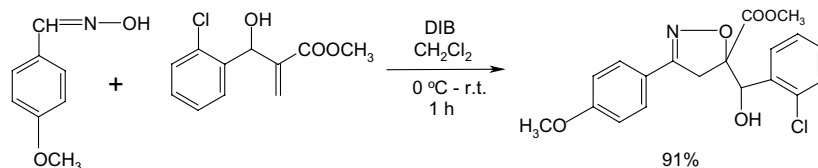
pp 7343–7345

Yoshikazu Mori and Masahiko Seki*



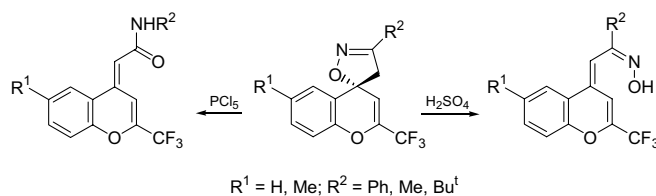
Hypervalent iodine-mediated interaction of aldoximes with activated alkenes including Baylis–Hillman adducts: a new and efficient method for the preparation of nitrile oxides from aldoximes pp 7347–7350

Biswanath Das,* Harish Holla, Gurram Mahender, Joydeep Banerjee and Majjigapu Ravinder Reddy



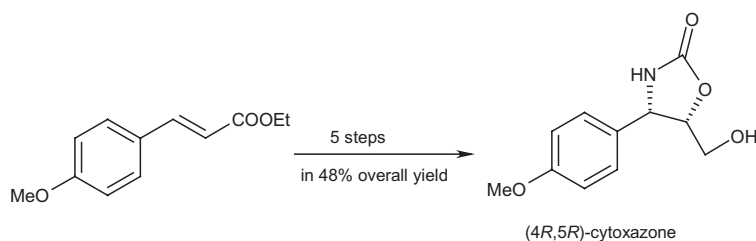
Novel chemical modifications at the 4-position of chromones. Synthesis and reactivity of 4*H*-chromene-4-spiro-5'-isoxazolines and related compounds pp 7351–7354

Vyacheslav Ya. Sosnovskikh,* Boris I. Usachev, Aleksei Yu. Sizov and Mikhail I. Kodess



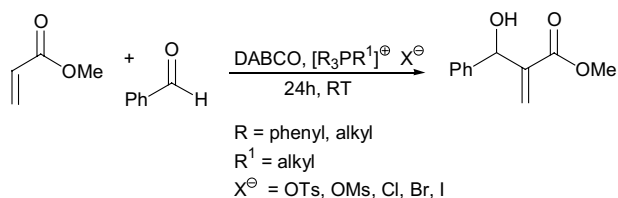
Highly regioselective ring opening of epoxides using NaN_3 : a short and efficient synthesis of (-)-cytoxazone pp 7355–7358

Joshodeep Boruwa, Jagat C. Borah, Biswajit Kalita and Nabin C. Barua*



Novel application of phosphonium salts as co-catalysts for the Baylis–Hillman reaction pp 7359–7361

Claire L. Johnson, Rachel E. Donkor, Wafaa Nawaz and Nazira Karodia*

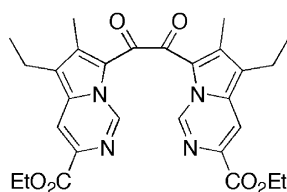


The first examples of the use of phosphonium salts as co-catalysts for the Baylis–Hillman reaction are described.

Synthesis of functionalized dipyrrolyldiketones, precursors of quinoxaline-containing macrocycles

pp 7363–7365

Florence Szydlo, Bruno Andrioletti,* Eric Rose* and Carine Duhayon



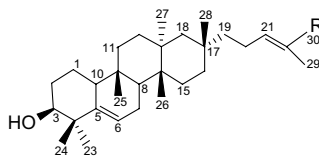
The synthesis and the structural characterization of dipyrrolyldiketone-based building blocks are reported.

First examples of tetracyclic triterpenoids with a *D:B*-friedobaccharane skeleton.

pp 7367–7370

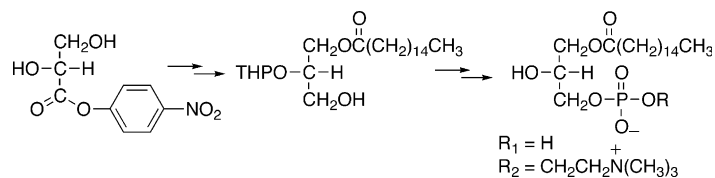
A tentative biosynthetic route

Marvin J. Núñez, Manuel R. López, Ignacio A. Jiménez, Laila M. Moujir, Angel G. Ravelo and Isabel L. Bazzocchi*

**A new approach to the synthesis of lysophospholipids: preparation of lysophosphatidic acid and lysophosphatidylcholine from *p*-nitrophenyl glycerate**

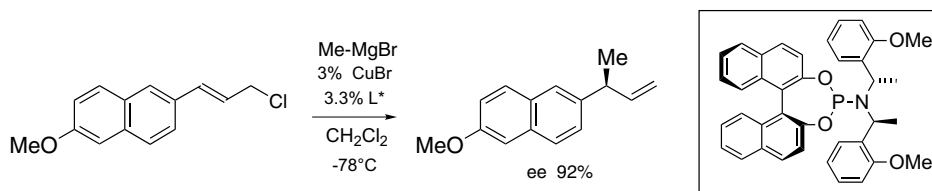
pp 7371–7373

Renato Rosseto, Niloufar Bibak and Joseph Hajdu*

**Copper catalyzed enantioselective allylic substitution by MeMgX**

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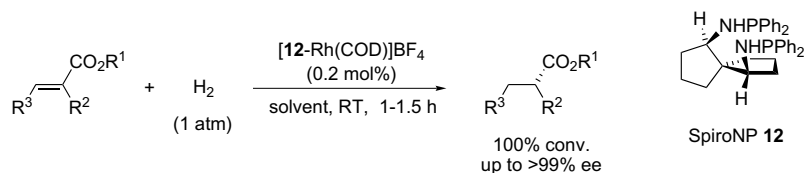
Karine Tissot-Croset and Alexandre Alexakis*



Synthesis of a novel spiro bisphosphinamidite ligand for highly enantioselective hydrogenation

pp 7379–7381

Ching Wen Lin, Chi-Ching Lin, Louis F.-L. Lam, Terry T.-L. Au-Yeung and Albert S. C. Chan*



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*Corresponding author

Supplementary data available via ScienceDirect



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