

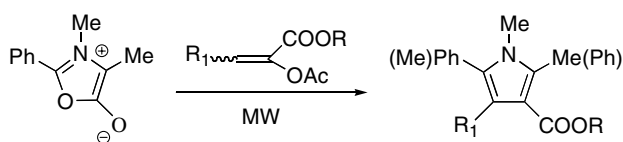
Contents

COMMUNICATIONS

Efficient synthesis of 3-carboxylate pyrroles using microwave irradiation

pp 1061–1062

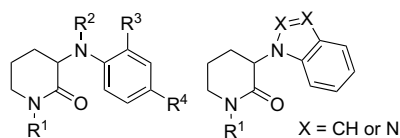
Giovanni Grassi,* Francesco Foti, Francesco Risitano and Domenico Zona



Facile chemoselective rhodium carbenoid N–H insertion reactions: synthesis of 3-arylamino- or 3-heteroarylpyridin-2-ones

pp 1063–1066

Sengodagounder Muthusamy* and Pandurangan Srinivasan

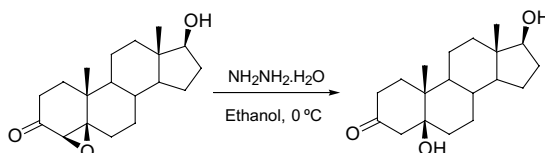


Rhodium(II) acetate catalyzed reactions of substituted 3-diazopiperidin-2-ones with various amines underwent chemoselective N–H insertion reactions to furnish 3-aminopiperidin-2-one derivatives.

Hydrazine hydrate induced reductive cleavage of α,β -epoxy ketones: an efficient procedure for the preparation of β -hydroxy ketones

pp 1067–1070

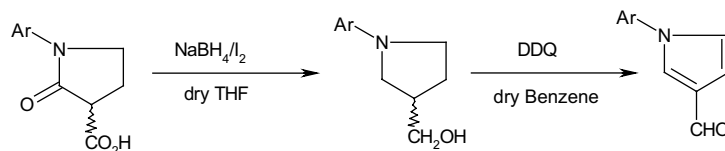
Jorge A. R. Salvador,* Alcino J. L. Leitão, M. Luísa Sá e Melo and James R. Hanson



Sodium borohydride–iodine mediated reduction of γ -lactam carboxylic acids followed by DDQ mediated oxidative aromatisation: a facile entry to *N*-aryl-formylpyrroles

pp 1071–1074

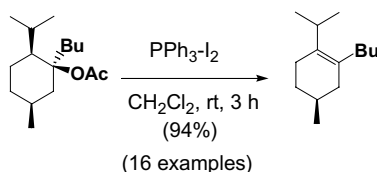
Pranab Haldar, Joyram Guin and Jayanta K. Ray*



Synthesis of alkenes from tertiary esters utilizing the triphenylphosphine–iodine system

pp 1075–1077

E. J. Alvarez-Manzaneda,* R. Chahboun, E. Cabrera Torres, E. Alvarez, R. Alvarez-Manzaneda, A. Haidour and J. Ramos

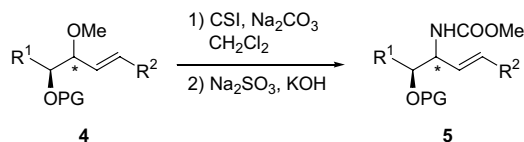


The treatment of tertiary esters with triphenylphosphine and iodine under mild conditions gave the most stable alkene in good yield. Acetates, formates and trifluoroacetates were studied.

Diastereoselective synthesis of unsaturated 1,2-amino alcohols from α -hydroxy allyl ethers using chlorosulfonyl isocyanate

pp 1079–1082

Ji Duck Kim, In Soo Kim, Jin Cheng Hua, Ok Pyo Zee and Young Hoon Jung*



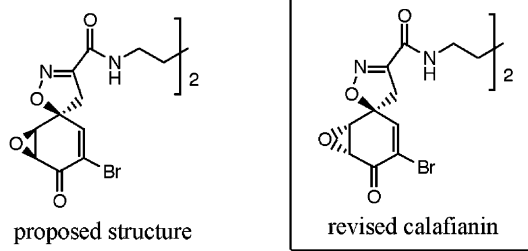
Diastereoselective synthesis of unsaturated 1,2-amino alcohols was achieved from a highly diastereoselective allylic amination reaction of α -hydroxy allyl ethers using chlorosulfonyl isocyanate.



Synthesis and structural revision of calafianin, a member of the spiroisoxazole family isolated from the marine sponge, *Aplysina gerardogreeni*

pp 1083–1086

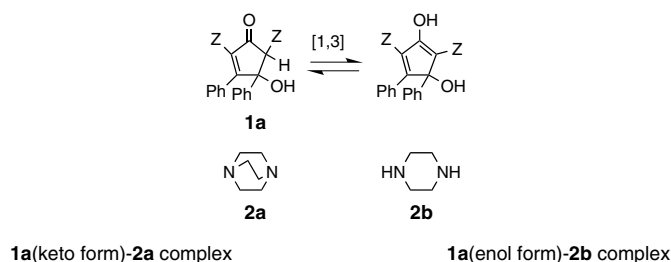
Takahisa Ogamino and Shigeru Nishiyama*



A novel clathrate host allowing structural adjustment during the inclusion of 1,2-diaminoethanes

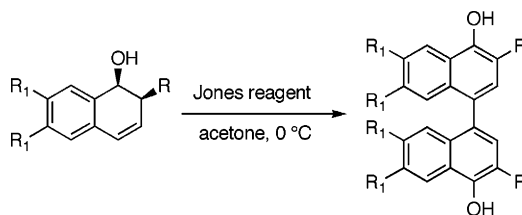
pp 1087–1090

Koki Yamaguchi, Saori Nakatomi, Yasuyuki Yoshitake and Kazunobu Harano*

**Oxidative coupling of 2-substituted 1,2-dihydro-1-naphthols using Jones reagent: a simple entry into 3,3'-disubstituted 1,1'-binaphthyl-4,4'-diols**

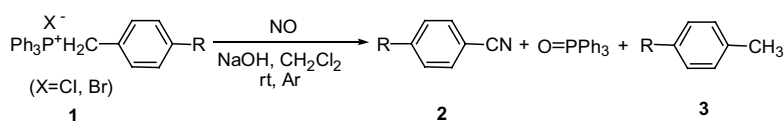
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Eric Fillion,* Vincent E. Trépanier, Lauren G. Mercier, Anna A. Remorova and Rebekah J. Carson

**Electrophilic reaction of nitric oxide with Wittig reagents**

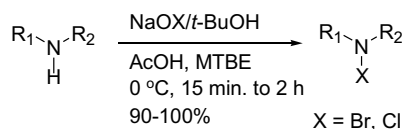
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Zhongquan Liu, Bo Zhou, Zhongli Liu and Longmin Wu*

**Practical and efficient synthesis of *N*-halo compounds**

pp 1099–1101

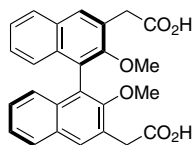
Yong-Li Zhong,* Hua Zhou, Donald R. Gauthier, Jr., Jaemoon Lee, David Askin, Ulf H. Dolling and Ralph P. Volante



Improved synthesis of 2,2'-dimethoxy-1,1'-binaphthyl-3,3'-diacetic acid derivatives

pp 1103–1105

Samia Zrig, Bruno Andrioletti,* Eric Rose* and Julie Colin

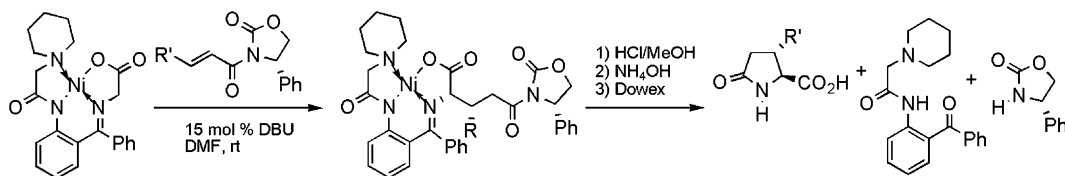


An optimized and straightforward synthesis of a key, chiral dicarboxylic acid building block is described.

Application of modular nucleophilic glycine equivalents for truly practical asymmetric synthesis of β -substituted pyroglutamic acids

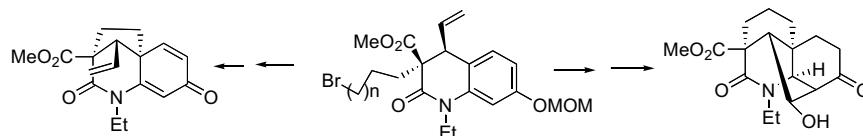
pp 1107–1110

Vadim A. Soloshonok,* Hisanori Ueki, Trevor K. Ellis, Takeshi Yamada and Yasufumi Ohfuné

**Preparation of advanced intermediates for the synthesis of both methyllycaonitine and racemulsonine via a common intermediate**

pp 1111–1113

George A. Kraus* and Sarathy Kesavan

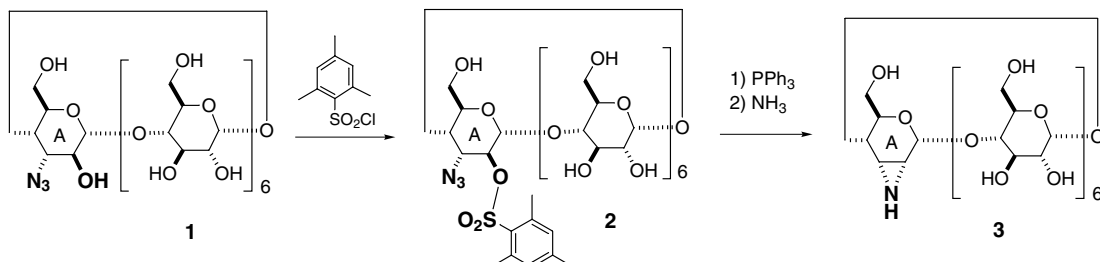


Polycyclic precursors to methyllycaonitine and racemulsonine have been prepared via a common intermediate. The key steps include the intramolecular alkylation of a phenol and a selective metal–ammonia reduction.

Preparation of 2^A,3^A-alloepimino-2^A,3^A-dideoxy- β -cyclodextrin as a versatile scaffold candidate for the hetero-2^A,3^A-bifunctionalization

pp 1115–1118

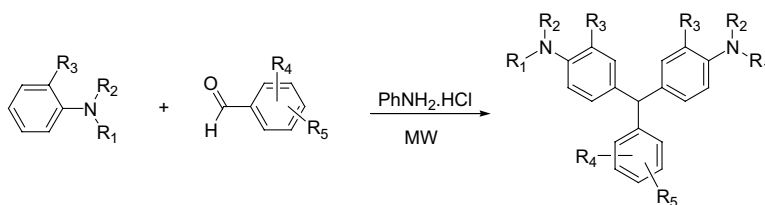
Makoto Fukudome, De-Qi Yuan and Kahee Fujita*



Microwave-assisted synthesis of 4,4'-diaminotriphenylmethanes

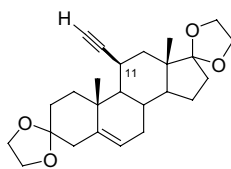
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D. Guzmán-Lucero, J. Guzmán, D. Likhatchev and R. Martínez-Palou*

**Access to 11 β -ethynyl-androst-5-ene**

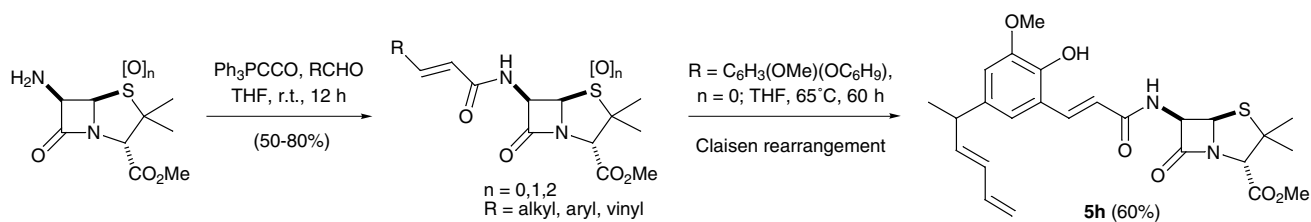
pp 1123–1126

Vincent Lecomte, Elie Stéphan* and Gérard Jaouen

11 β -ethynyl-androst-5-ene (100% d.e.)**Domino functionalizations of the amino terminus of 6-aminopenicillanates with Ph₃PCCO**

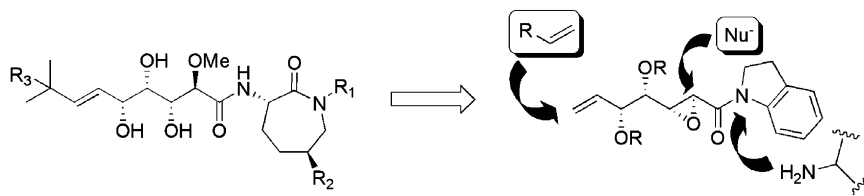
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Rainer Schobert* and Andreas Stangl

**A diversity-oriented synthetic approach to bengamides**

pp 1131–1135

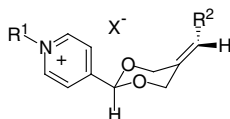
Francisco Sarabia* and Antonio Sánchez-Ruiz



Design and synthesis of novel ionic liquid/liquid crystals (IL²Cs) with axial chirality

pp 1137–1140

Jérôme Baudoux, Patrick Judeinstein,* Dominique Cahard and Jean-Christophe Plaquevent*

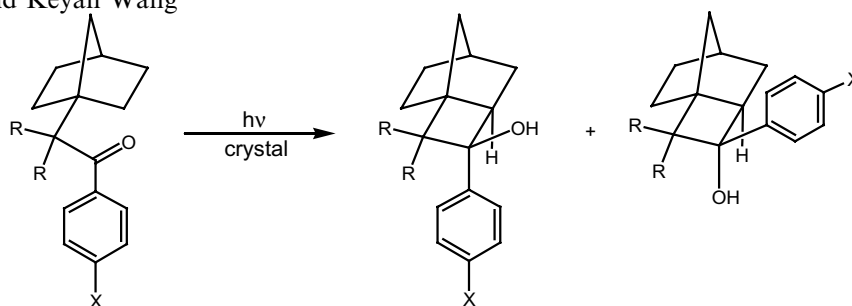


New pyridinium salts having a 1,3-dioxan ring in their central core are described as the first examples of axially chiral ionic liquids. They exhibit both low melting points and liquid crystal behaviour.

Molecular mechanics-assisted crystal engineering of solid state photoreactions: application to the Yang photocyclization of α -1-norbornylacetophenone derivatives

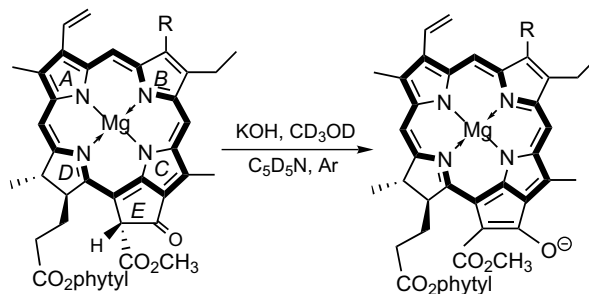
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Mark Botoshansky, Dario Braga, Menahem Kaftory, Lucia Maini, Brian O. Patrick, John R. Scheffer* and Keyan Wang

**Electronic structure of the enolate anion of chlorophyll *b***

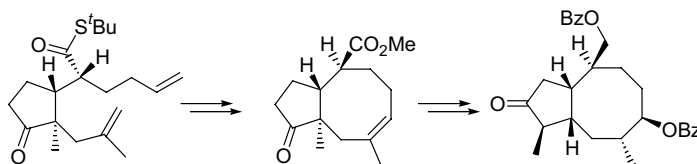
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Paavo H. Hynninen,* Jari S. Kavakka and Markku Mesilaakso

**Studies toward the total synthesis of di- and sesterterpenes with a dicyclopenta[*a,d*]cyclooctane skeleton. Construction of a versatile A/B ring building block via a ring-closing metathesis reaction and carbocationic rearrangement**

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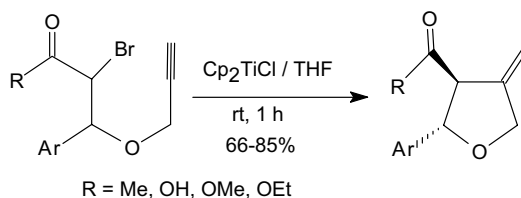
Karol Michalak, Michał Michalak and Jerzy Wicha*



Titanocene(III) mediated radical cyclization of α -bromo carbonyl compounds: synthesis of tri-substituted tetrahydrofurans

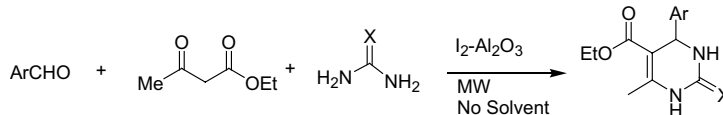
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Samaresh Jana, Chandrani Guin and Subhas Chandra Roy*

**Three component condensations catalyzed by iodine–alumina for the synthesis of substituted 3,4-dihydropyrimidin-2(1H)-ones under microwave irradiation and solvent-free conditions**

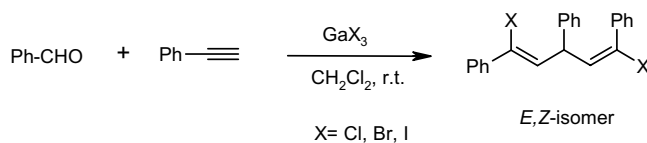
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Ira Saxena, Dilip C. Borah and Jadab C. Sarma*

**Gallium(III) halide promoted synthesis of 1,3,5-triaryl-1,5-dihalo-1,4-pentadienes**

pp 1161–1163

J. S. Yadav,* B. V. S. Reddy, B. Eeshwaraiah, Manoj Kumar Gupta and Swapan Kumar Biswas

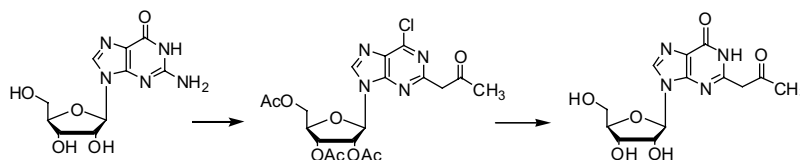


Aryl substituted alkynes undergo smooth coupling with aldehydes in the presence of gallium(III) halide under extremely mild conditions to afford the corresponding 1,3,5-triaryl-1,5-dihalo-1,4-pentadienes.

Facile, chemoenzymatic synthesis of the potent antiviral compound, 2-acetylinosine

pp 1165–1167

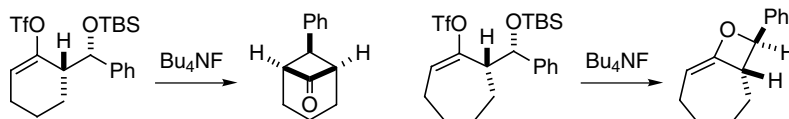
Mukta Gupta and Vasu Nair*



Synthesis of cyclobutanones and four-membered enol ethers by using a rearrangement reaction of enol triflates

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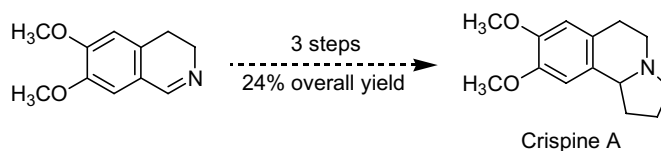
Keiji Tanino,* Kotaro Aoyagi, Yasuhiro Kirihaara, Yoshikazu Ito and Masaaki Miyashita*



Total synthesis of the antitumor active pyrrolo[2,1-*a*]isoquinoline alkaloid (±)-crispine A

pp 1173–1175

Hans-Joachim Knölker* and Sameer Agarwal

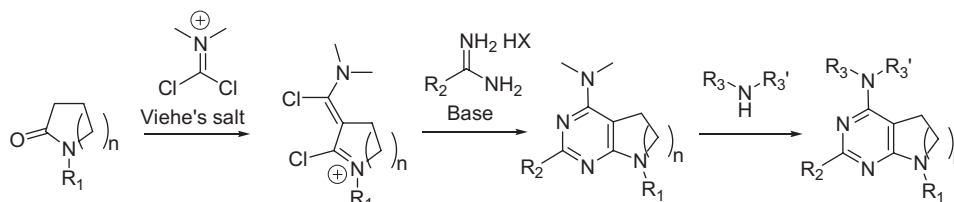


Addition of a propargyl Grignard reagent to 3,4-dihydro-6,7-dimethoxyisoquinoline, silver(I)-promoted oxidative cyclization, and chemoselective hydrogenation of the pyrrole ring provide a simple three-step route to the antitumor active pyrrolo[2,1-*a*]isoquinoline alkaloid (±)-crispine A.

Viehe's salt in a novel one pot synthesis of pyrimidines

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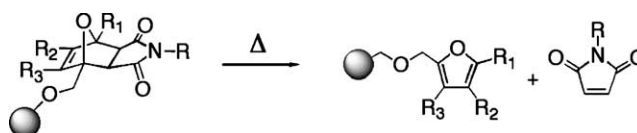
Alexander S. Kiselyov*



A thermally-cleavable linker for solid-phase synthesis

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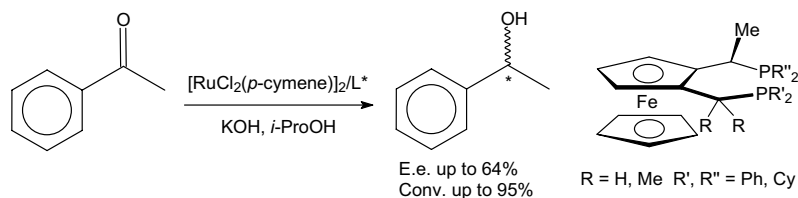
Keith A. Keller, Jianhua Guo, Sreenivas Punna and M. G. Finn*



Chiral ferrocenyl diphosphines for asymmetric transfer hydrogenation of acetophenone

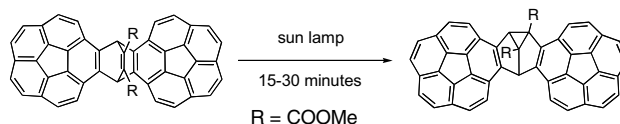
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Jérôme Cabou, Jacques Brocard and Lydie Péliniski*

**Barrelene–semibullvalene rearrangement induced by visible light: synthesis of dicorannulosemibullvalene dimethyl dicarboxylate**

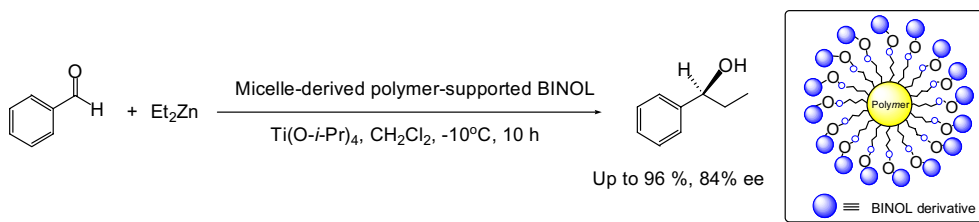
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Andrzej Sygula,* Renata Sygula and Peter W. Rabideau

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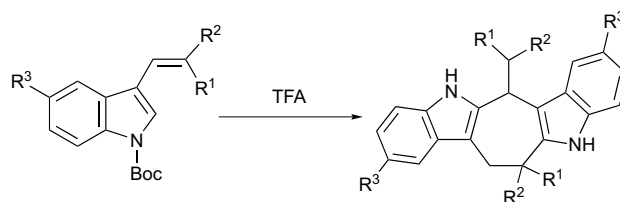
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**Novel cyclo-dimerization of 1-tert-butoxycarbonyl-3-alkenylindole derivatives**

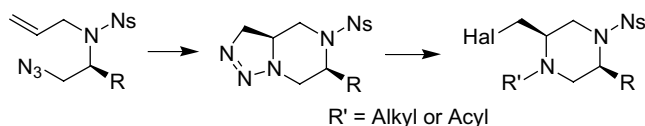
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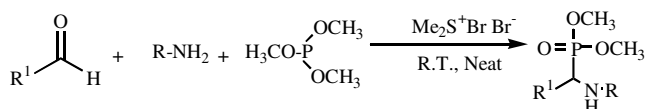


Intramolecular [2+3]-addition of an azide to a C=C double bond as a novel approach to piperazines pp 1205–1207

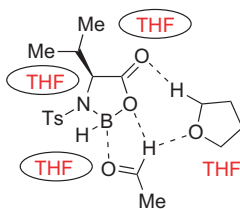
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**(Bromodimethyl)sulfonium bromide: an inexpensive reagent for the solvent-free, one-pot synthesis of α -aminophosphonates** pp 1209–1210

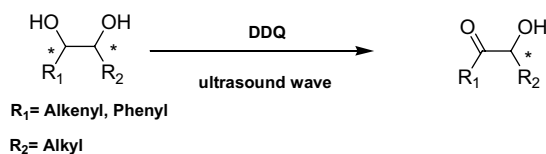
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Kun Peng, Fuxin Chen, Xuegong She,* Chunhui Yang, Yuxin Cui and Xinfu Pan*



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*Corresponding author

⁺ Supplementary data available via ScienceDirect

COVER

A simplified method for preparation of dendrimer-like nanoparticles has been described. The polymerization of surfactant monomers under micellar system provides spherical dendritic nanoparticles as the efficient support for enantioselective catalysts. *Tetrahedron Letters* **2005**, 46, 1193–1197.

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