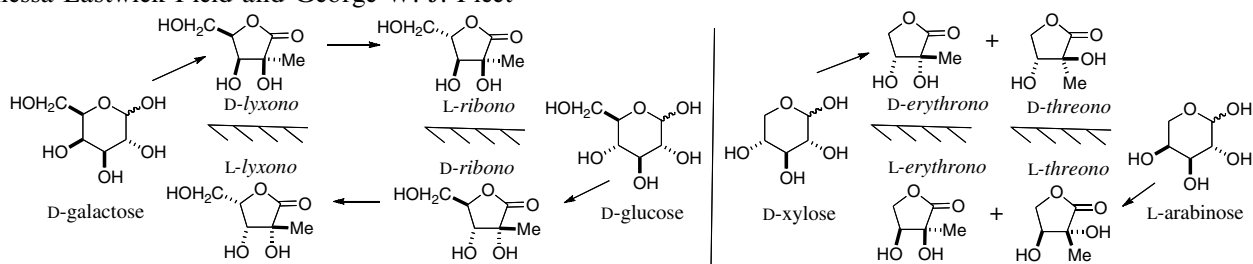


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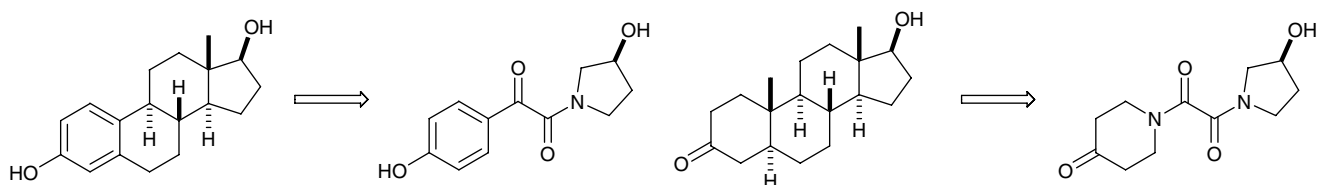
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David J. Hotchkiss, Raquel Soengas, Kathrine V. Booth, Alexander C. Weymouth-Wilson, Vanessa Eastwick-Field and George W. J. Fleet*



Novel steroid mimics: synthesis of tri- and tetra-substituted oxamides and oxoamides pp 521–525

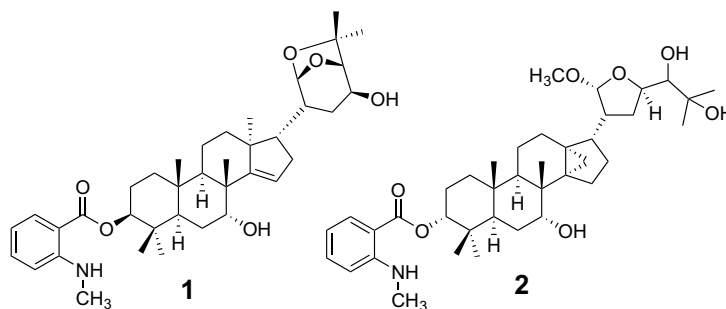
Ian L. Jones, Daniel J. Schofield, Robert R. Strevens, Peter N. Horton, Michael B. Hursthouse and Nicholas C. O. Tomkinson*



A series of novel dicarbonyl compounds have been designed to mimic the tetracyclic core of steroids.

Feroniellides A and B, apotirucallane triterpenes with novel cyclic acetals from *Feroniella lucida* pp 527–530

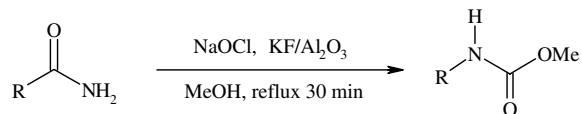
Preecha Phuwapraisirisan,* Serm Surapinit, Pongpun Siripong, Santi Tip-pyang and Udom Kokpol



An efficient modification of the Hofmann rearrangement: synthesis of methyl carbamates

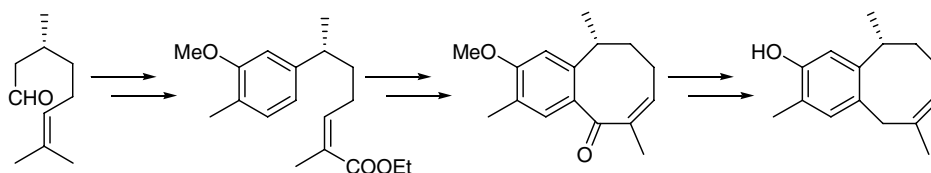
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Pranjal Gogoi* and Dilip Konwar

**An enantiospecific synthesis of (+)-isoparvifolinone and (–)-parvifoline**

pp 535–537

Subhash P. Chavan,* Mahesh Thakkar and Uttam R. Kalkote

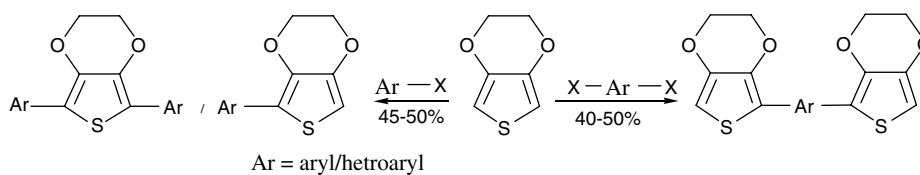


An enantiospecific synthesis of (+)-isoparvifolinone and (–)-parvifoline, from naturally occurring (*R*)-(+)-citronellal, employing intramolecular Friedel–Crafts acylation as the key step, is described.

Synthesis of mono- and bis-arylated 3,4-(ethylenedioxythiophenes) via direct palladium catalyzed arylation reactions

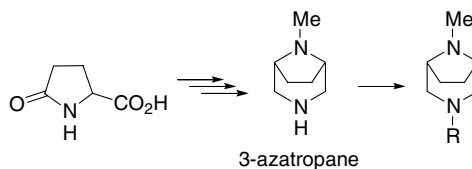
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Arasambattu K. Mohanakrishnan,* P. Amaladass and J. Arul Clement

**A simple and efficient synthesis of 8-methyl-3,8-diazabicyclo[3.2.1]octane (azatropane) and 3-substituted azatropanes therefrom using pyrrolutamic acid**

pp 545–548

Rakesh K. Singh, Sanjay Jain,* Neelima Sinha, Anita Mehta, Fehmida Naqvi, Ashok K. Agarwal and Nitya Anand*

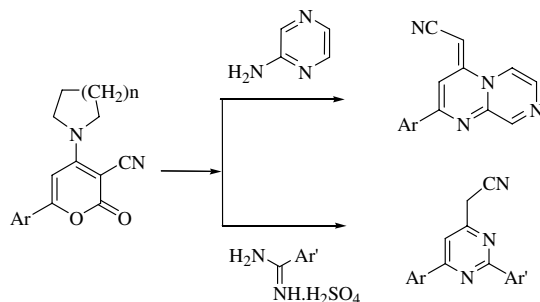


A convenient and efficient synthesis of 8-methyl-3,8-diazabicyclo[3.2.1]octane is reported.

An efficient synthesis of (*E*)-(2-arylpyrazino[1,2-*a*]pyrimidine-4-ylidene)acetonitriles and cyanomethyl appended pyrimidines

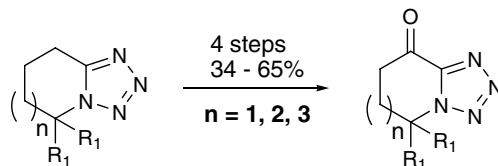
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Ramendra Pratap, Shom Prakash Kushwaha, Atul Goel and Vishnu Ji Ram*

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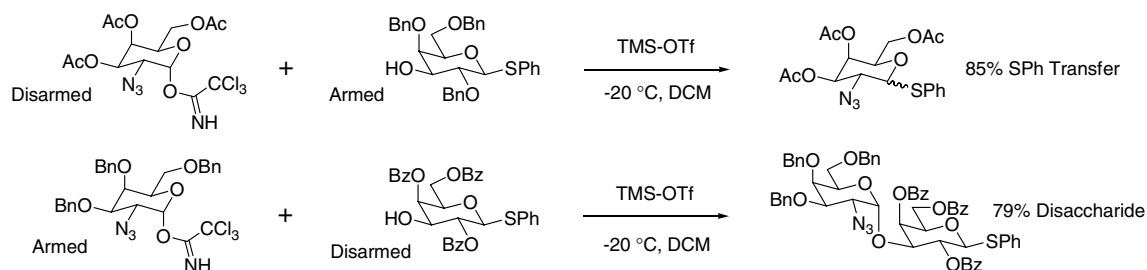
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Yan Shi,* Jeffrey A. Robl, Lawrence J. Kennedy and Mary F. Malley

**An armed–disarmed approach for blocking aglycon transfer of thioglycosides**

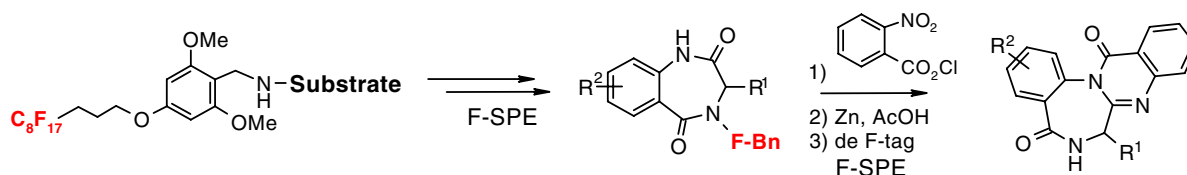
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Zhitao Li and Jeffrey C. Gildersleeve*

**Fluorous synthesis of sclerotigenin-type benzodiazepine–quinazolinones**

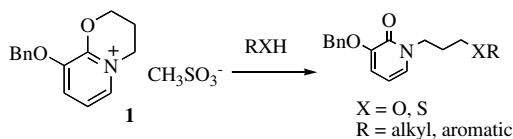
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Part 2: Reactions of alcohols, phenols, and thiols with an electrophilic 3,2-HOPO reagent

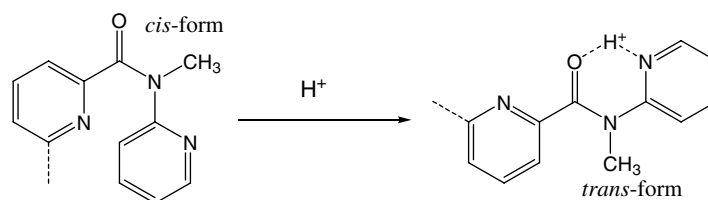
Sumathi Chittamuru, Timothy N. Lambert, Gloria Martinez, Hollie K. Jacobs and Aravamudan S. Gopalan*



The alkylation of mesylate salt **1** with alcohols, phenols, and their sulfur analogs provides a convenient method for the synthesis of a variety of HOPO derivatives.

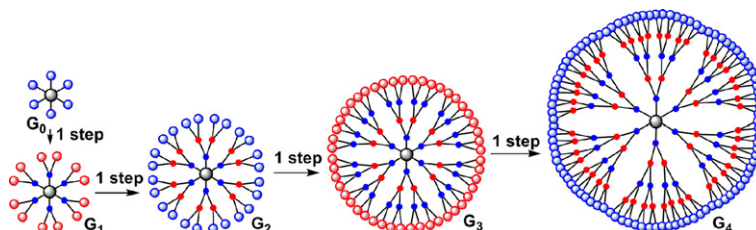
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Iwao Okamoto,* Mayumi Nabeta, Toshikatsu Minami, Akio Nakashima, Nobuyoshi Morita, Tetsuya Takeya, Hyuma Masu, Isao Azumaya and Osamu Tamura



Reduced number of steps for the synthesis of dense and highly functionalized dendrimers pp 579–583

Paul Servin, Cyrille Rebout, Régis Laurent, Maurizio Peruzzini, Anne-Marie Caminade* and Jean-Pierre Majoral*

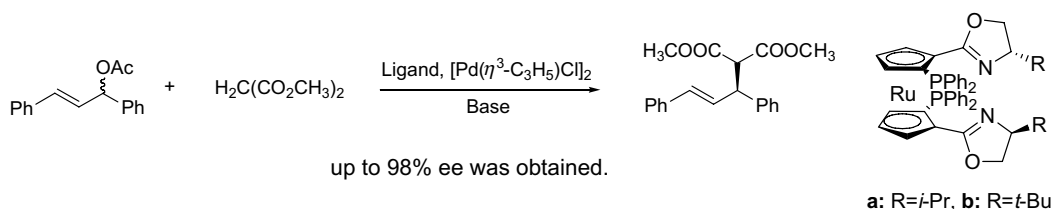


Only one step to synthesize one generation: a new method allows the synthesis of a fourth generation layered dendrimer in only 4 steps.



The synthesis of novel C_2 -symmetric P,N-chelation ruthenocene ligands and their application in palladium-catalyzed asymmetric allylic substitution pp 585–588

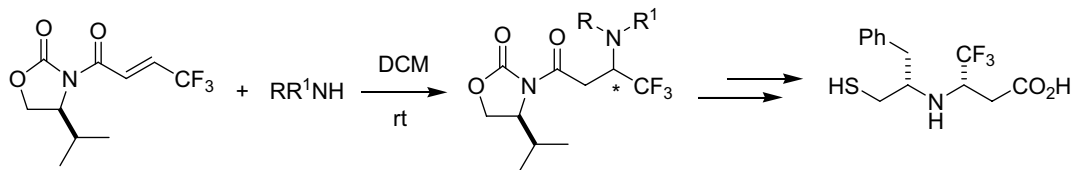
Delong Liu, Fang Xie and Wanbin Zhang*



Novel air-stable C_2 -symmetric tetrasubstituted ruthenocene-based ligands were readily synthesized and used for palladium-catalyzed asymmetric allylic substitution showing excellent enantioselectivity and high catalytic activity.

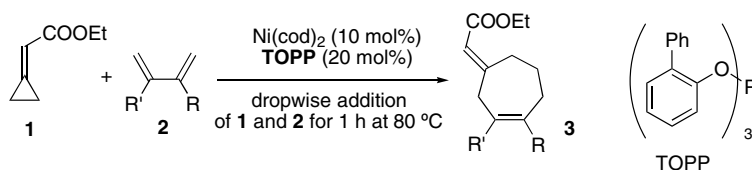
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Marco Molteni, Alessandro Volonterio,* Giacomo Fossati, Paolo Lazzari and Matteo Zanda*


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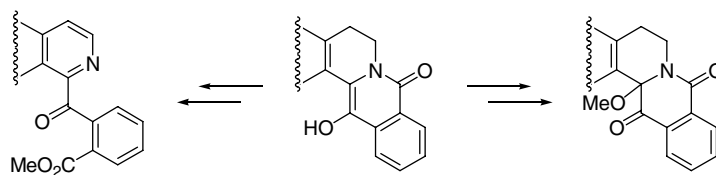
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Shinichi Saito* and Kouhei Takeuchi

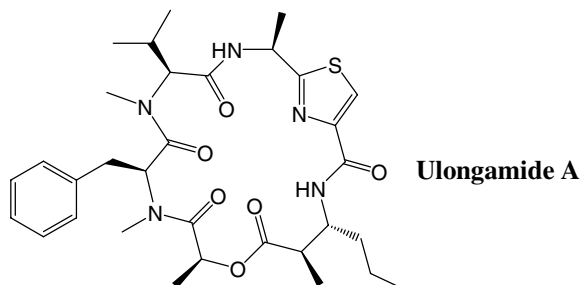

Ninhydrin as a building block for yohimbanones, β -carbolines, and oxyprotoberberines

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Laura L. Tomasevich, Nicole M. Kennedy, Stephen M. Zitelli, R. Troy Hull, II, Chelsey R. Gillen, Suet K. Lam, Neal J. Baker, John C. Rohanna, Jason M. Conley, Marcy L. Guerra, Mari Lynne Starr, Justine B. Sever, Patrick J. Carroll and Michael S. Leonard*


Total synthesis of ulongamide A, a cyclic depsipeptide isolated from marine cyanobacteria *Lyngbya* sp. pp 603–607

Cuauhtémoc Alvarado, Eduardo Díaz and Á. Guzmán*

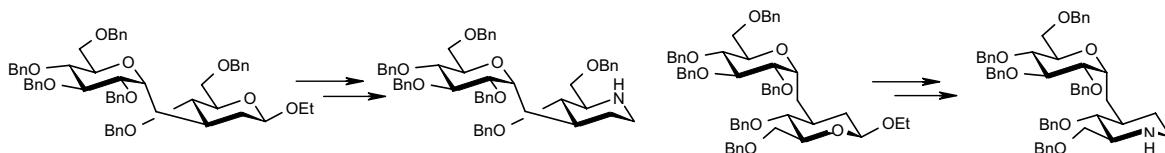


The first total synthesis of ulongamide A is reported.

Synthesis of analogues of naturally occurring 3-*O*-(β-D-glucopyranosyl)-fagomine

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Lukáš Werner, Ladislav Kniežo* and Hana Dvořáková

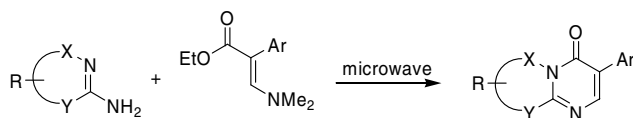


Stereoselective synthesis of 3- α -C-glucosides of D- and L-fagomine from the corresponding C-disaccharides is reported.

Microwave assisted synthesis of isothiazolo-, thiazolo-, imidazo-, and pyrimido-pyrimidinones as novel MCH1R antagonists

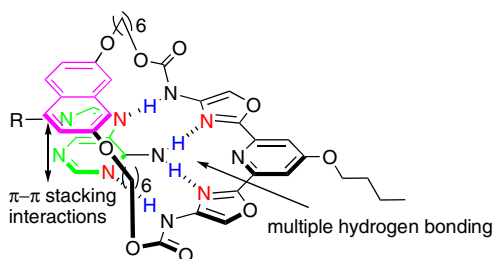
pp 613–615

Tao Guo,* Rachael C. Hunter, Rui Zhang and William J. Greenlee

**Highly selective adenine recognition by a macrocyclic host molecule employing multiple hydrogen bonding and π - π stacking interactions**

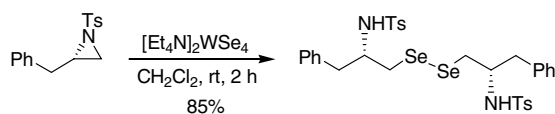
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Yosuke Hisamatsu,* Haruka Takami, Naohiro Shirai, Shin-ichi Ikeda and Kazunori Odashima*

**Tetraselenotungstate: an efficient selenating reagent for the synthesis of β-amino diselenides by aziridine ring opening reactions**

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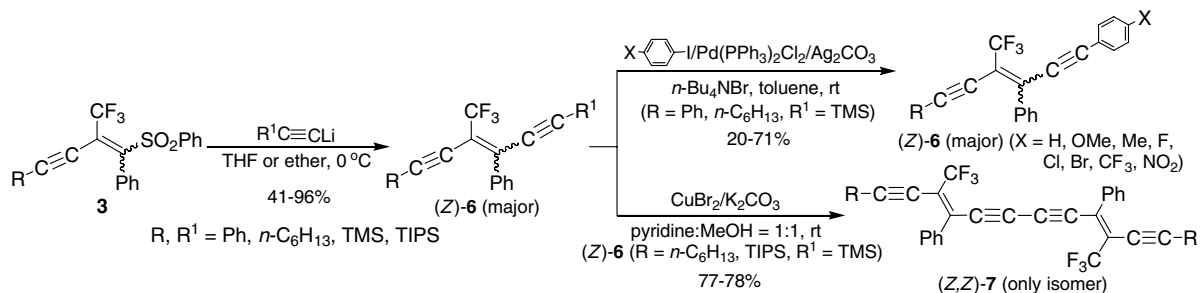
Devarajulu Sureshkumar, Thanikachalam Gunasundari, Vadivelu Saravanan and Srinivasan Chandrasekaran*



A novel method for (Z)-stereoselective preparation of CF₃-substituted enediynes and their coupling reactions

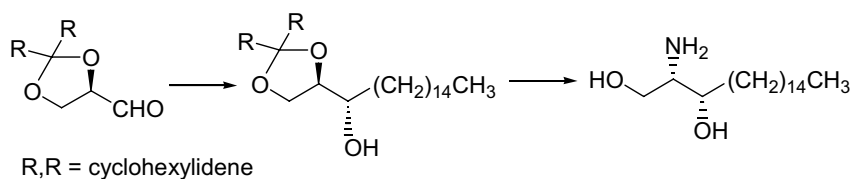
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Hyang Hwa Jeon, Jang Bae Son, Ji Hoon Choi and In Howa Jeong*

**An asymmetric synthesis of (2S,3S)-safingol**

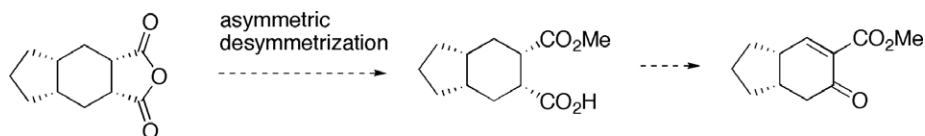
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Anubha Sharma, Sunita Gamre and Subrata Chattopadhyay*

**Enantioselective formal synthesis of tridemethylisovelleral**

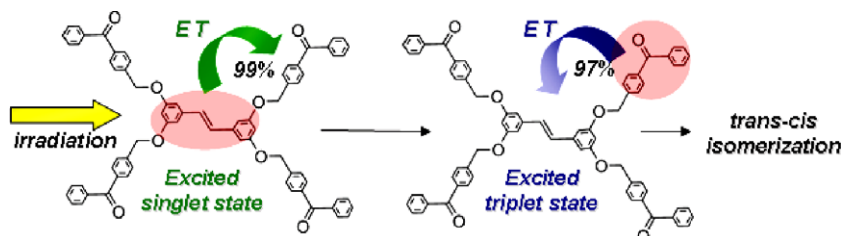
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Daniel Röme, Martin Johansson* and Olov Sterner

**The first observation of the effect of dendritic structure to produce the triplet excited state of the core stilbene by dendron excitation**

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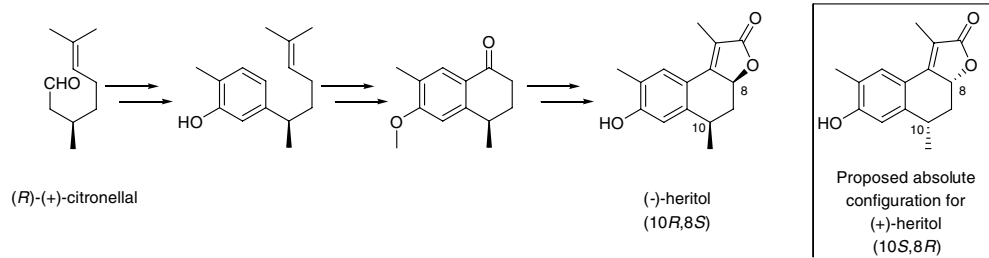
Yousuke Miura, Atsuya Momotake, Yoshihiro Shinohara, Md. Wahadoszamen, Yoshinobu Nishimura and Tatsuo Arai*

Dendrimers with *cis*- and *trans*-stilbene derivatives at the core and benzophenone at the surrounding periphery were prepared to study the intramolecular energy transfer and emission properties as well as photoisomerization.

The first enantiospecific synthesis of (–)-heritol: absolute configuration determination

pp 643–646

Subhash P. Chavan,* Mahesh Thakkar and Uttam R. Kalkote

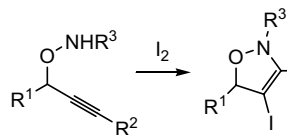


The first enantiospecific synthesis of (–)-heritol, from naturally occurring (*R*)-(+)-citronellal and confirmation of its absolute configuration, is described.

On the viability of 5-endo-dig cyclisations of *O*-propargylic hydroxylamine derivatives, leading to 2,5-dihydroisoxazoles (3-isoxazolines)

pp 647–650

Oliver F. Foot, David W. Knight,* Ai Cheng Lilian Low and YingFa Li

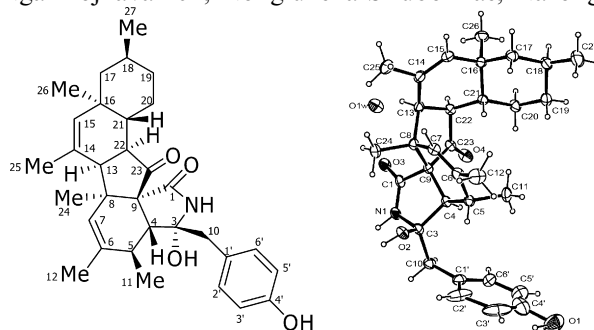


O-Propargylic hydroxylamines undergo smooth 5-endo-dig cyclisations upon exposure to excess molecular iodine to give respectable yields of 4-iodo-2,5-dihydroisoxazoles.

Diaporthichalasin, a novel CYP3A4 inhibitor from an endophytic *Diaporthe* sp.

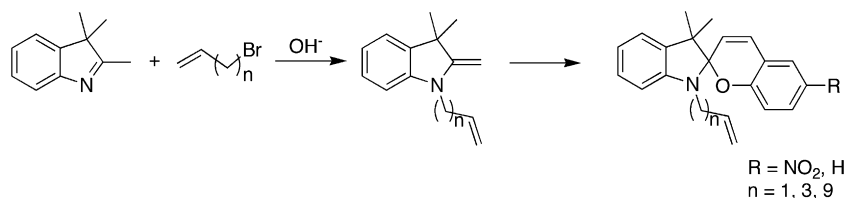
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**Synthesis and characterisation of polymerisable photochromic spiropyrans: towards photomechanical biomaterials**

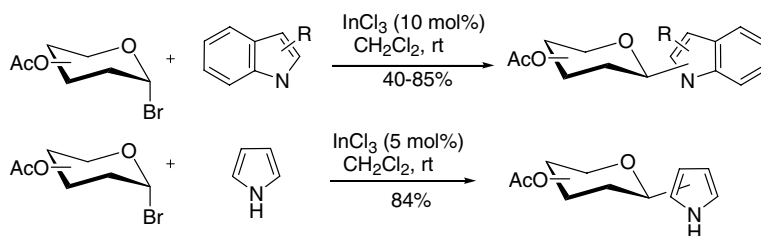
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Colin P. McCoy,* Louise Donnelly, David S. Jones and Sean P. Gorman

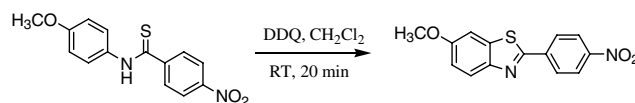


A rapid stereoselective C-glycosidation of indoles and pyrrole via indium trichloride promoted reactions of glycosyl halides pp 663–667

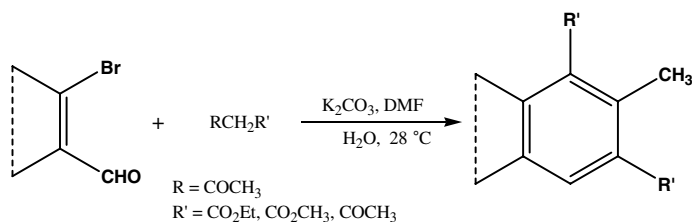
Debaraj Mukherjee, Sujit K. Sarkar, Uday S. Chowdhury and Subash C. Taneja*


A convenient access to substituted benzothiazole scaffolds via intramolecular cyclization of thioformanilides pp 669–672

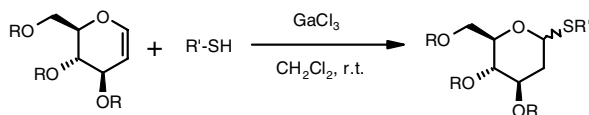
D. Subhas Bose* and Mohd. Idrees


Base-catalyzed condensation of β -bromovinylaldehydes with β -ketoesters followed by water-mediated cyclization and aromatization: one-pot access to substituted benzene derivatives pp 673–676

Devalina Ray and Jayanta K. Ray*


GaCl₃-Catalyzed addition of thiols to glycols: a facile synthesis of 2-deoxy thioglycosides pp 677–680

J. S. Yadav,* B. V. Subba Reddy, E. Vijaya Bhasker, S. Raghavendra and A. V. Narsaiah

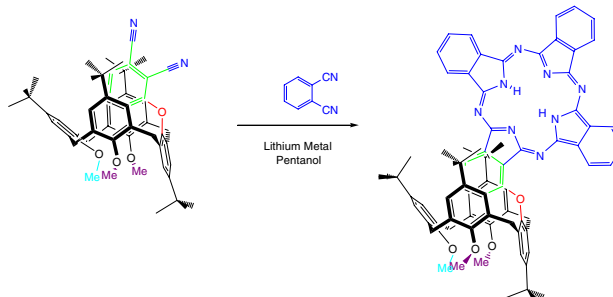


The selective preparation of partial cone *O*-aryl calix[4]arene ethers from 1,3-dimethoxycalix[4]arene: a new platform for the preparation of non-aggregated dyes

pp 681–684

Shane O'Malley, Nameer Alhashimy, John O'Mahony, Aisling Kieran, Mary Pryce and Kieran Nolan*

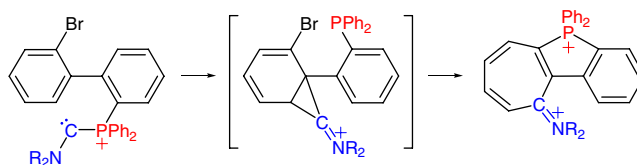
We report a new direct route for the selective preparation of novel partial cone *O*-aryl ether calix[4]arenes to be used as new platforms for the preparation of non-aggregated dyes. These partial cone conformers have the aromatic substituents lying within the calix[4]arene annulus via the upper rim.



An unusual norcaradiene/tropylium rearrangement from a persistent amino-phosphonio-carbene

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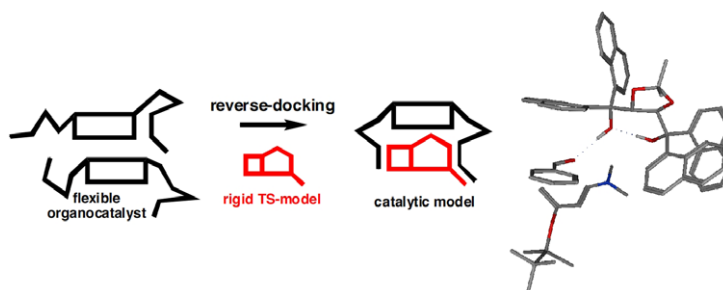
Joan Vignolle, Bruno Donnadieu, Didier Bourissou* and Guy Bertrand*



In silico correlation of enantioselectivity for the TADDOL catalyzed asymmetric hetero-Diels–Alder reaction

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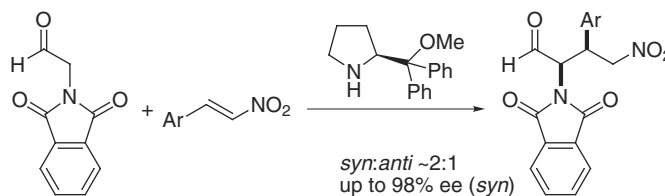
D. Joseph Harriman, Andreas Lambropoulos and Ghislain Deslongchamps*



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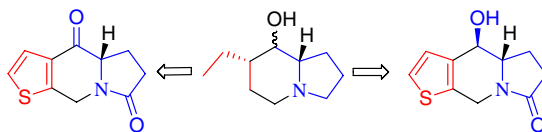
Klaus Albertshofer, Rajeswari Thayumanavan, Naoto Utsumi, Fujie Tanaka* and Carlos F. Barbas, III*



An expedient synthesis of 7(*S*)-ethyl-8(*R* or *S*)-indolizidinols based on a thiophene reductive desulfurization

pp 697–702

Štefan Marchalín, Jozefína Žúžiová, Katarína Kadlecíková, Peter Šafář, Peter Baran, Vincent Dalla and Adam Daich*

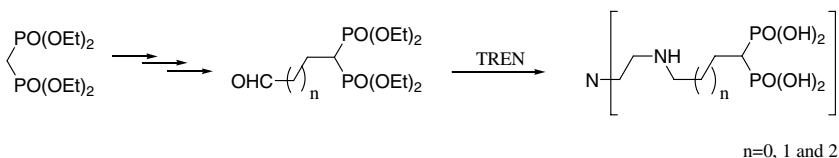


A new and expedient approach for the synthesis of prototypic alkyl-substituted indolizidinols, namely 7(*S*)-ethyl-8(*S*)-indolizidinol and its 8(*R*)-epimer is described from readily available chiral non-racemic thienoindolizidine-4,7-dione and 4-hydroxythienoindolizidine-7-one.

Synthesis of novel phosphonated tripodal ligands for actinides chelation therapy

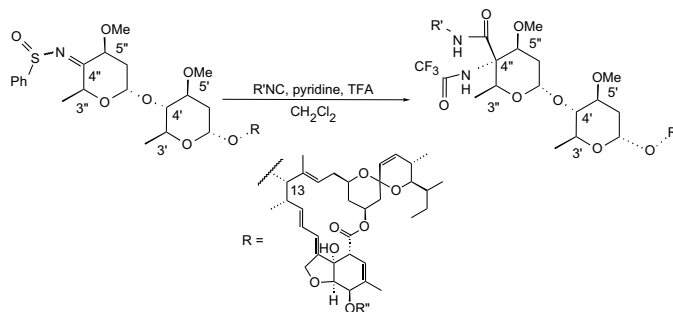
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Vincent Chaleix and Marc Lecouvey*

**First example of an Ugi type reaction on phenylsulfonimine-avermectin B₁ derivatives**

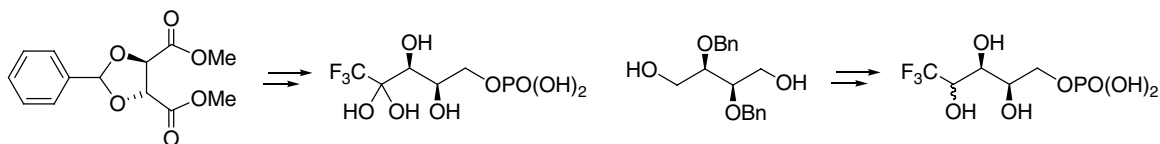
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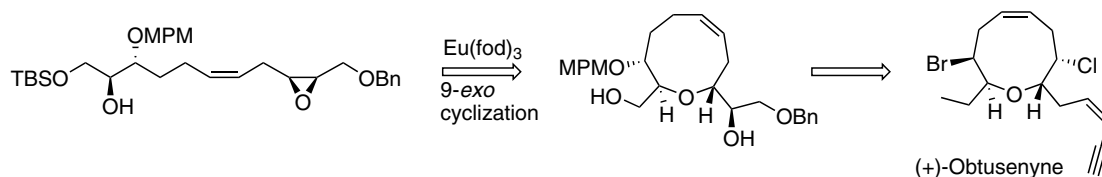
Odile Meyer, Catherine Grosdemange-Billiard, Denis Tritsch and Michel Rohmer*



Total synthesis of (+)-obtusenyne

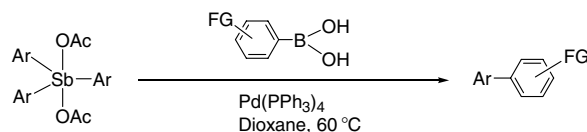
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Toshiyuki Uemura, Toshio Suzuki,* Naohiro Onodera, Hisahiro Hagiwara and Takashi Hoshi

**Suzuki-type cross-coupling reaction of pentavalent triarylsantimony diacetates with arylboronic acids without a base**

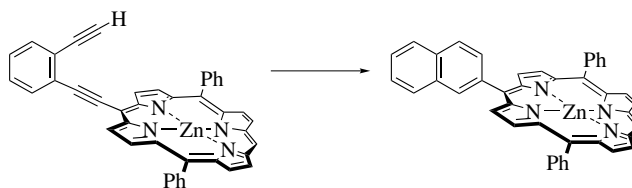
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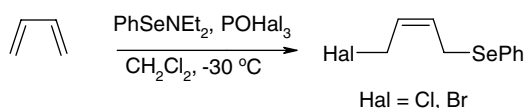
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