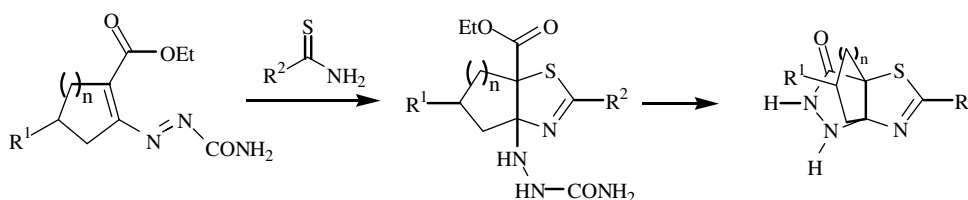


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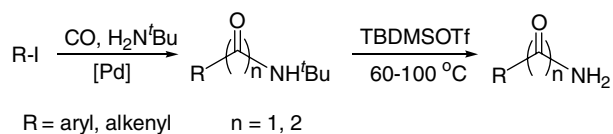
Unexpected regioselectivity in the reaction between cycloalkenyl-1-diazenes and thioamides: useful entry to fused cycloalkyl-thiazoline and cycloalkyl-thiazoline-pyrazole systems pp 2449–2451

Orazio A. Attanasi, Stefano Berretta, Lucia De Crescentini, Gianfranco Favi, Paolino Filippone, Gianluca Giorgi, Samuele Lillini and Fabio Mantellini*



Facile synthesis of primary amides and ketoamides via a palladium-catalysed carbonylation–deprotection reaction sequence pp 2453–2456

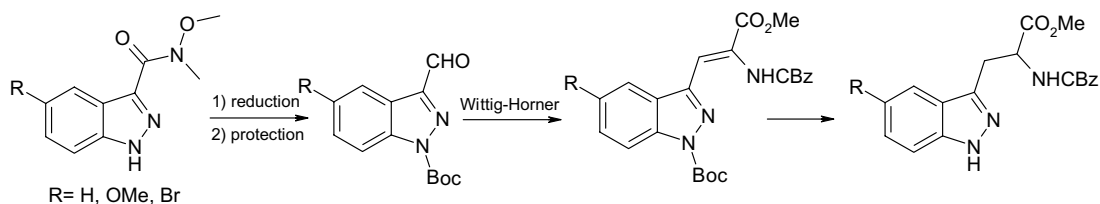
Eszter Takács, Csilla Varga, Rita Skoda-Földes* and László Kollár



Primary amides and ketoamides have been synthesised in good yields in two steps from alkenyl/aryl iodides. The reaction sequence involves palladium-catalysed carbonylation in the presence of *t*-BuNH₂ followed by selective cleavage of the *t*-Bu group using TBDMSOTf.

New practical access to 2-azatryptophans and dehydro derivatives via the Wittig–Horner reaction pp 2457–2460

François Crestey, Valérie Collot,* Silvia Stiebing, Jean-François Lohier, Jana Sopkova-de Oliveira Santos and Sylvain Rault

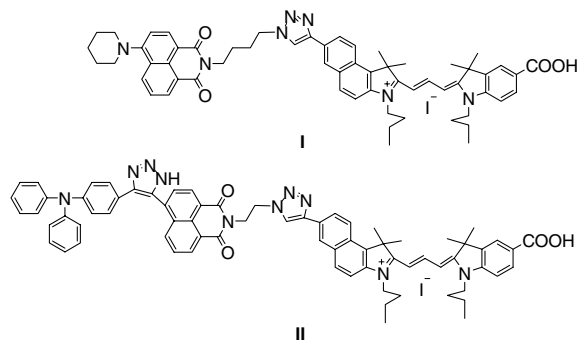


Photovoltaic properties of new cyanine–naphthalimide dyads synthesized by ‘Click’ chemistry

pp 2461–2465

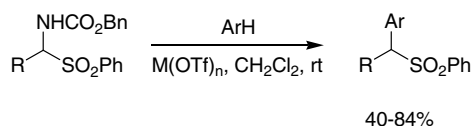
Wen-hai Zhan, Wen-jun Wu, Jian-li Hua, Yin-hua Jing, Fan-shun Meng and He Tian*

Two novel cyanine dyads in which a naphthalimide unit is attached to benzoindole ring of unsymmetric trimethine cyanine dyes have been synthesized via ‘Click’ reaction. They are promising sensitizers for nanocrystalline dye-sensitized solar cell.

**Lanthanide triflate catalyzed generation of *N*-acyliminium ions from α -amido sulfones: the synthesis of (1-alkyl-1-aryl)methyl phenyl sulfones**

pp 2467–2470

Chutima Kuhakarn, Kassrin Tangdenpaisal, Palangpon Kongsaree, Samran Prabpai, Patoomratana Tuchinda, Manat Pohmakotr* and Vichai Reutrakul*

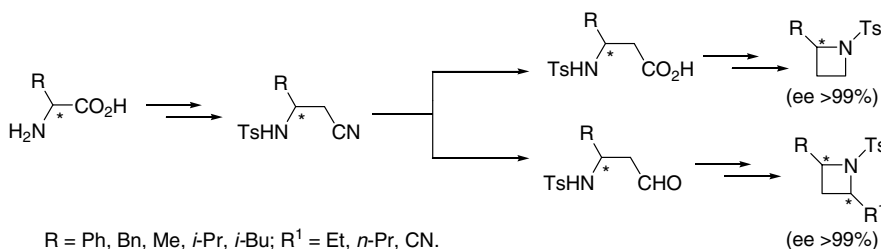


R = alkyl, aryl
ArH = electron rich aromatics and heteroaromatics

A convenient synthetic route to enantiopure *N*-tosylazetidines from α -amino acids

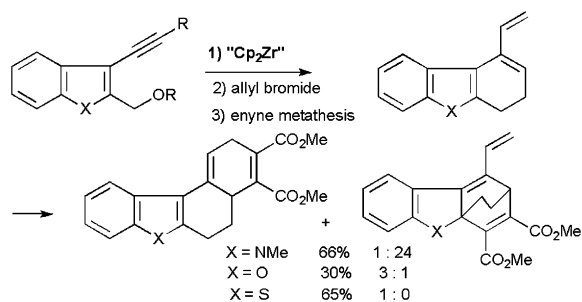
pp 2471–2475

Manas K. Ghorai,* Kalpataru Das and Amit Kumar

**Generation and reaction of heteroaromatic zirconocene: synthetic application to polycyclic heterocycles**

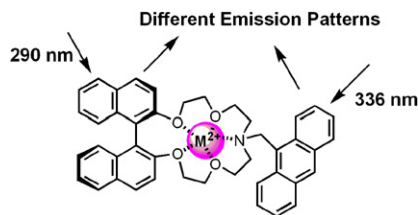
pp 2477–2480

Yutaka Ikeuchi, Toshiaki Saitoh, Takeo Taguchi and Yuji Hanzawa*



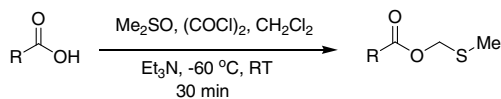
Fluorescent studies of two new binaphthyl–azacrown–anthracene fluorophores with metal ions and chiral guests: dual fluorescent detection via binaphthyl and anthracene groups pp 2481–2484

Kwang Soo Kim, Eun Jin Jun, Sook Kyung Kim, Hee Jung Choi, Jaeduk Yoo, Chang-Hee Lee, Myung Ho Hyun* and Juyoung Yoon*



A simple, rapid and efficient protocol for the synthesis of methylthiomethyl esters under Swern oxidation conditions pp 2485–2487

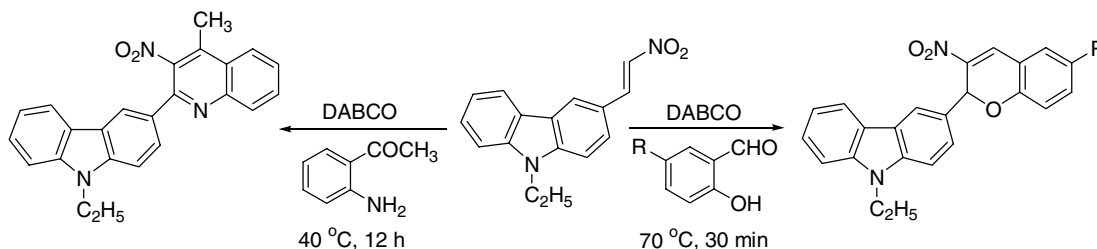
Sunil B. Jadhav and Usha Ghosh*



R = alkyl, alkenyl, aryl and *N*-substituted alkyl

An efficient, solvent-free approach to heteroarylcarbazoles: synthesis of 3-chromenylcarbazoles, 3,6-bis-(chromenyl)carbazoles and 3-quinolylicarbazoles pp 2489–2492

T. Krishna Chaitanya and Rajagopal Nagarajan*

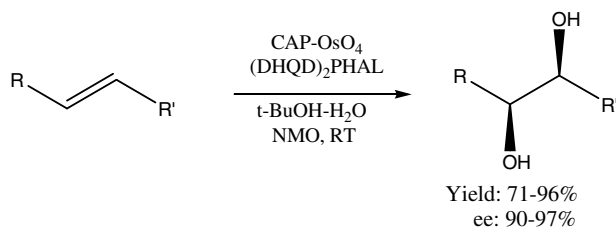


An easy and efficient synthesis of new 3-chromenylcarbazoles, 3,6-bis-(chromenyl)carbazoles and 3-quinolylicarbazoles is reported.



Catalytic asymmetric dihydroxylation of olefins with recyclable osmate-exchanged chlorapatite catalyst pp 2493–2496

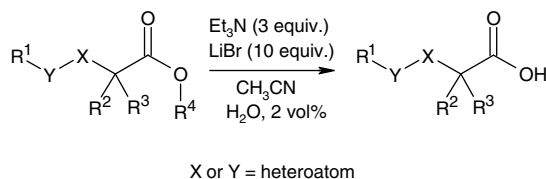
Sanjay K. Dehury* and V. S. Hariharakrishnan*



A mild hydrolysis of esters mediated by lithium salts

pp 2497–2499

Sara Mattsson, Mikael Dahlström and Staffan Karlsson*

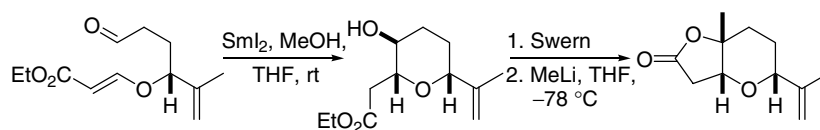


At room temperature, when treated with an amine such as triethylamine and a lithium salt such as LiBr, esters are efficiently hydrolyzed to the corresponding acids in a mild and selective manner.

**Synthesis of a lactone natural product found in Greek tobacco**

pp 2501–2503

J. Stephen Clark,* Stewart T. Hayes, Alexander J. Blake and Luca Gobbi

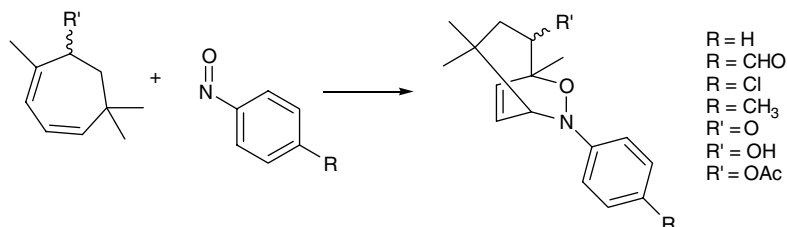


The natural product (3*R**,4*R**,7*R**)-3,7-epoxy-4,8-dimethyl-8-nonen-4-olide has been synthesised in six steps and 22% overall yield starting from simple commercially available materials. A samarium(II) iodide mediated reductive cyclisation reaction has been used to construct the tetrahydropyran core of the natural product.

Design, synthesis and biological evaluation of new oxazines with potential antiparasitic activity

pp 2505–2507

Daniela Gamenara, Horacio Heinzen and Patrick Moyna*

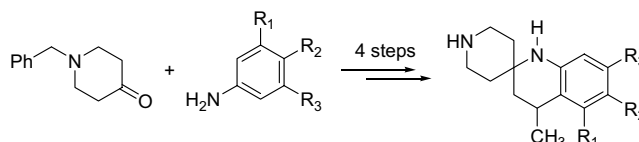


Twelve new oxazines were prepared through Diels–Alder reactions, using eucarvone derivatives as dienes and nitrosoarenes with different electronic characteristics as dienophiles. The antiparasitic activity was evaluated with *in vitro* assays.

**An efficient synthesis of new 1-*H*-4'-methyl-3',4'-dihydrospiro[piperidine-4,2'(1'*H*)quinoline] scaffolds**

pp 2509–2512

Leonor Y. Vargas Méndez and Vladimir V. Kouznetsov*

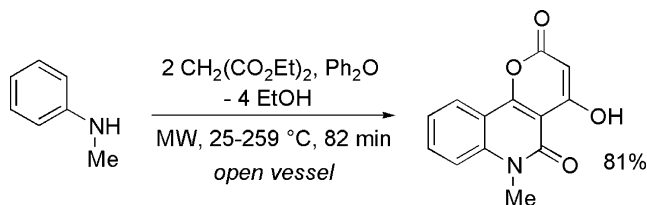


Efficient synthesis of new 3',4'-dihydrospiro[piperidine-4,2'(1'*H*)quinolines] by a four step synthetic route based on 1-benzyl-4-piperidone reactivity is reported.



Rapid preparation of pyranoquinolines using microwave dielectric heating in combination with fractional product distillation pp 2513–2517

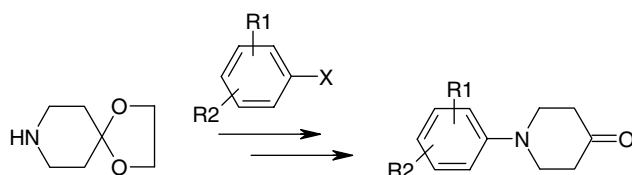
Tahseen Razzaq and C. Oliver Kappe*



An improved synthesis of *N*-aryl and *N*-heteroaryl substituted piperidones

pp 2519–2525

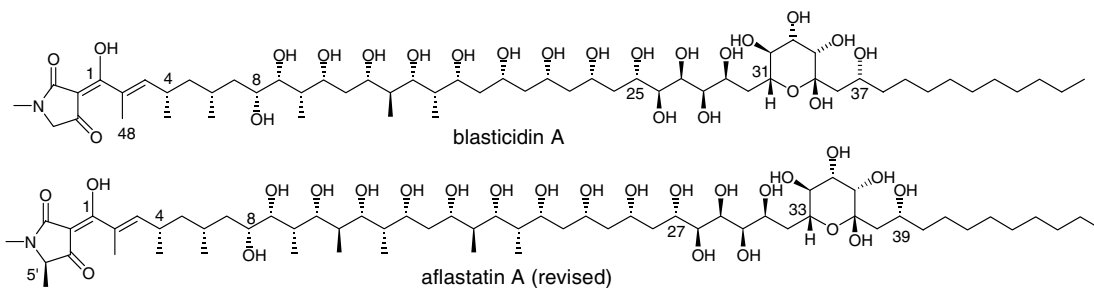
Uwe Schön,* Josef Messinger, M. Buckendahl, M. S. Prabhu and A. Konda



Assignment of the absolute configuration of blasticidin A and revision of that of aflastatin A

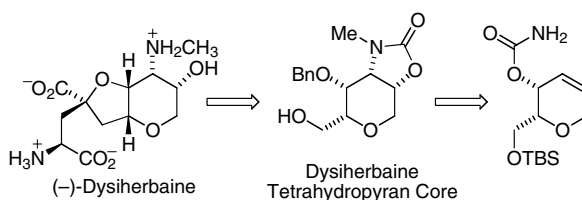
pp 2527–2531

Shohei Sakuda,* Nobuaki Matsumori, Kazuo Furihata and Hiromichi Nagasawa



Synthesis of the dysiherbaine tetrahydropyran core employing a tethered aminohydroxylation reaction pp 2533–2536

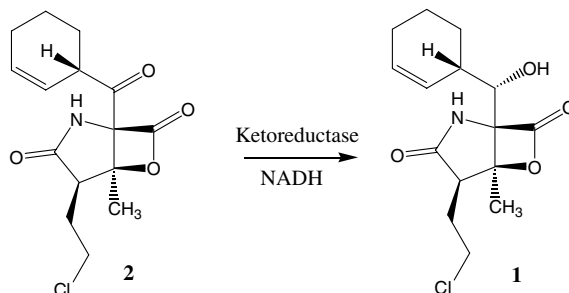
Jamie L. Cohen and A. Richard Chamberlin*



Stereoselective enzymatic reduction of keto-salinosporamide to (–)-salinosporamide A (NPI-0052)

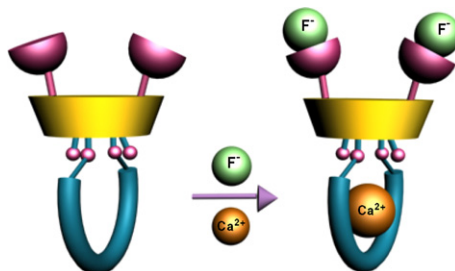
pp 2537–2540

Rama Rao Manam, Venkat R. Macherla* and Barbara C. M. Potts

**Dual colorimetric sensing bis(indolyl)calix[4]crown-6**

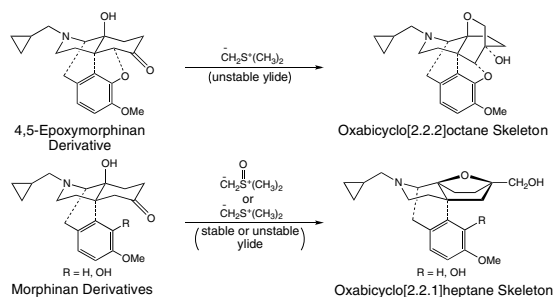
pp 2541–2546

Jeong Won Lee, Sun Young Park, Byoung-Ki Cho and Jong Seung Kim*

**Synthesis of opioid ligands having oxabicyclo[2.2.2]octane and oxabicyclo[2.2.1]heptane skeletons**

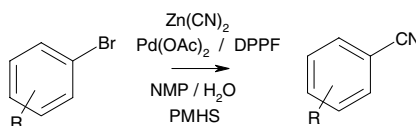
pp 2547–2553

Hiroshi Nagase,* Akio Watanabe, Toru Nemoto, Naoshi Yamamoto, Yumiko Osa, Noriko Sato, Kenji Yoza and Toshitsugu Kai

**Open air palladium catalyzed cyanation—the use of PMHS to protect from oxygen**

pp 2555–2557

Michael T. Martin,* Bing Liu, Bobby E. Cooley, Jr. and John F. Eaddy

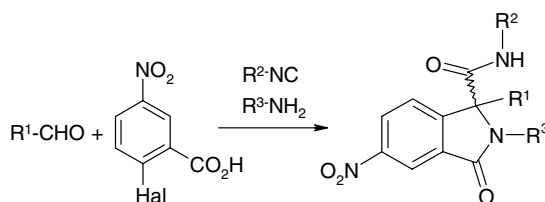


Cholesteric medium inductive asymmetric polymerization: preparation of optically active polythiophene derivatives from achiral monomers in cholesteric liquid crystals pp 2559–2562

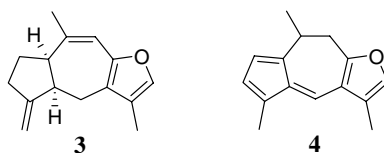
Fumihiro Togashi, Reina Ohta and Hiromasa Goto*

**One-pot tandem complexity-generating reaction based on Ugi four component condensation and intramolecular cyclization** pp 2563–2567

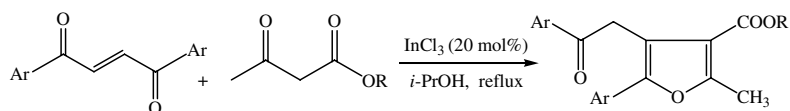
Andrey S. Trifilenkov, Alexey P. Ilyin, Volodymyr M. Kysil, Yuri B. Sandulenko and Alexandre V. Ivachtchenko*

**New bioactive hydrogenated linderazulene-derivatives from the gorgonian *Echinogorgia complexa*** pp 2569–2571

Emiliano Manzo,* Maria Letizia Ciavatta, Maria Pilar Lopez Gresa, Margherita Gavagnin, Guido Villani, Chandrakant Govind Naik and Guido Cimino

*iso*-Echinofuran (**3**) and 8,9-dihydro-linderazulene (**4**) are inhibitors of mitochondrial respiratory chain.**Indium trichloride catalyzed efficient one-pot synthesis of highly substituted furans** pp 2573–2575

Sumit Dey, Debkumar Nandi, Prasun K. Pradhan, Venkatachalam Sesha Giri and Parasuraman Jaisankar*

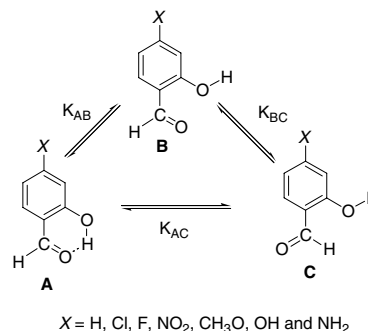


Solvent and substituent effects on the conformational equilibria and intramolecular hydrogen bonding of 4-substituted-2-hydroxybenzaldehydes

pp 2577–2581

Sonia E. Blanco and Ferdinando H. Ferretti*

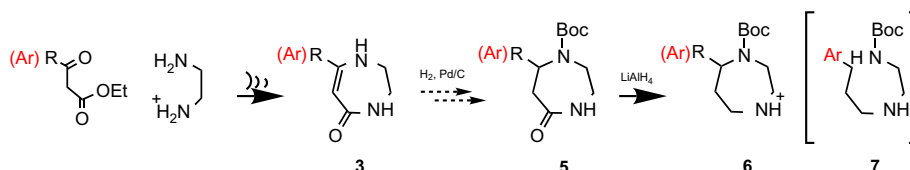
The influence of *p*-substituents and solvent effects on the conformational equilibria and the strength of the intramolecular hydrogen bond of 4-substituted-2-hydroxybenzaldehydes were studied by means of a B3LYP/6-31G(d) method that makes use of the SCIPCM model.



Synthesis of 1,4-diazepin-5-ones under microwave irradiation and their reduction products

pp 2583–2586

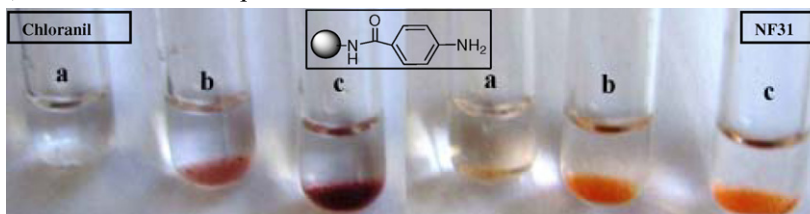
Nicolas Włodarczyk, Pauline Gilleron, Régis Millet, Raymond Houssin and Jean-Pierre Hénichart*



Fast and easy detection of aromatic amines on solid support

pp 2587–2589

Steven E. Van der Plas, Pierre J. De Clercq and Annemieke Madder*

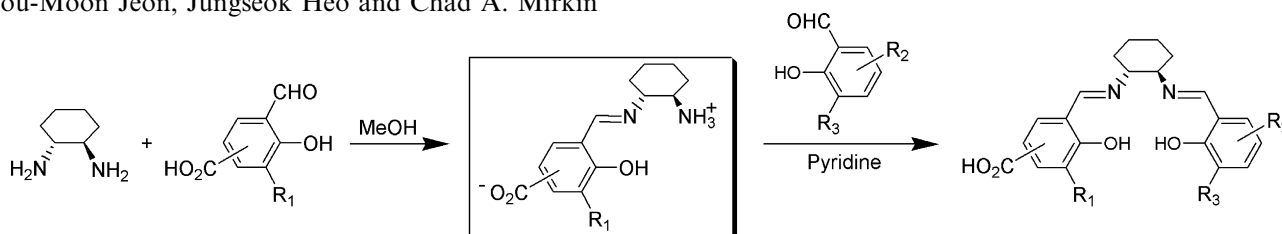


The use of NF31, previously developed in our group for the detection of free aliphatic amines on solid support, has now been shown to also offer a reliable method for the detection of free aromatic amines. As little as $3.4 \mu\text{mol g}^{-1}$ of free aniline amino groups can be detected. The method has shown to be more sensitive for the detection of sterically hindered aromatic amines than the existing alternative based on reaction with chloranil.

Acid-functionalized dissymmetric salen ligands and their manganese(III) complexes

pp 2591–2595

You-Moon Jeon, Jungseok Heo and Chad A. Mirkin*

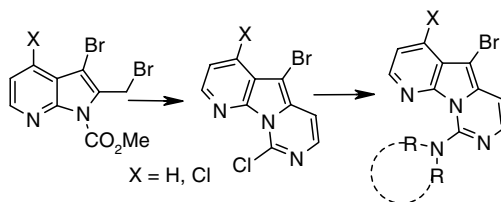


Acid-functionalized symmetric and dissymmetric salen-type ligands were synthesized via a novel self-protection step in a quantitative yield. These ligands and the Mn(III) complexes formed from them can be used as chiral building blocks for a wide range of catalysts and chemically tailorable coordination polymers.

Selective palladium-catalyzed amination of the heterocyclic core of variolins

pp 2597–2601

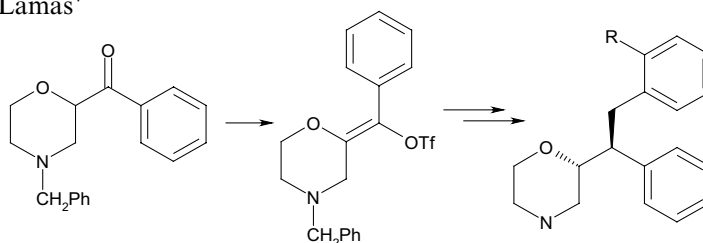
Alejandro Baeza, Carolina Burgos,* Julio Alvarez-Builla and Juan J. Vaquero*



Straightforward synthesis of (*R,R/S,S*)-2-[2-(2-aryl)-1-phenyl-ethyl]-morpholines: a new class of inhibitors of the norepinephrine transporter

pp 2603–2605

Javier Agejas* and Carlos Lamas*

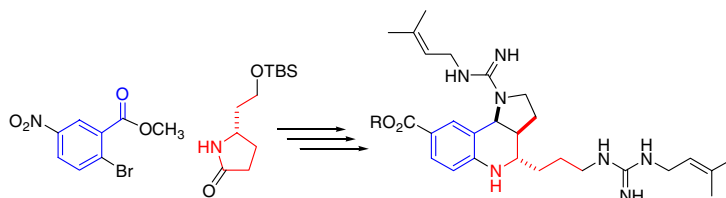


Synthesis of the title compounds has been achieved through the preparation of the key *E*-enol-triflate and its further coupling with benzylzinc reagents.

Total synthesis of (–)-martinellic acid

pp 2607–2610

Vivek Badarinarayana and Carl J. Lovely*

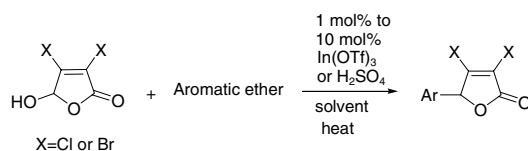


A Pd-catalyzed coupling and an intramolecular azomethine ylide–alkene cycloaddition provide an enantioselective entry to the pyrrolo[3,2-*c*]quinoline alkaloid martinelliacid.

Lewis and Brønsted acid catalyzed Friedel–Crafts hydroxyalkylation of mucohalic acids: a facile synthesis of functionalized γ -aryl γ -butenolides

pp 2611–2615

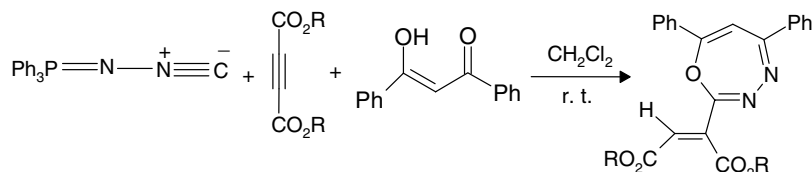
Ji Zhang,* Peter G. Blazecka and Timothy T. Curran



The reaction of (*N*-isocyanimino)triphenylphosphorane with dialkyl acetylenedicarboxylates in the presence of 1,3-diphenyl-1,3-propanedione: a novel three-component reaction for the stereoselective synthesis of dialkyl (*Z*)-2-(5,7-diphenyl-1,3,4-oxadiazepin-2-yl)-2-butenedioates

pp 2617–2620

Ali Souldozi, Ali Ramazani,* Nouri Bouslimani and Richard Welter

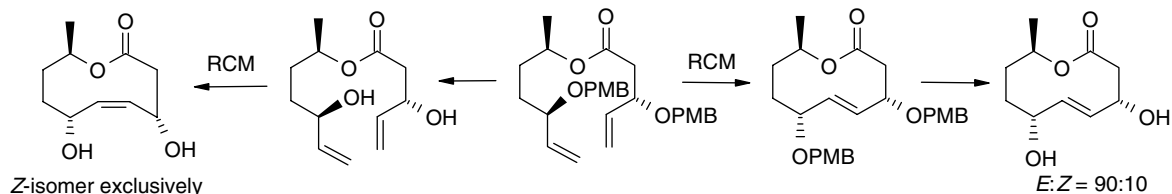


Reactions of dialkyl acetylenedicarboxylates with (*N*-isocyanimino)triphenylphosphorane in the presence of 1,3-diphenyl-1,3-propanedione proceed smoothly at room temperature to afford dialkyl (*Z*)-2-(5,7-diphenyl-1,3,4-oxadiazepin-2-yl)-2-butenedioates in high yields.

Protecting group directed ring-closing metathesis (RCM): the first total synthesis of an anti-malarial nonenolide

pp 2621–2625

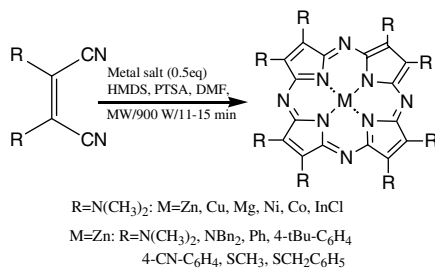
Debendra K. Mohapatra,* Dhondi K. Ramesh, Michael A. Giardello, Mukund S. Chorghade, Mukund K. Gurjar and Robert H. Grubbs*



Microwave-assisted synthesis of metalloporphyrazines

pp 2627–2630

M. Chandrasekharam,* Ch. Srinivasa Rao, Surya P. Singh, M. Lakshmi Kantam, M. Ramesh Reddy, P. Yella Reddy and T. Toru



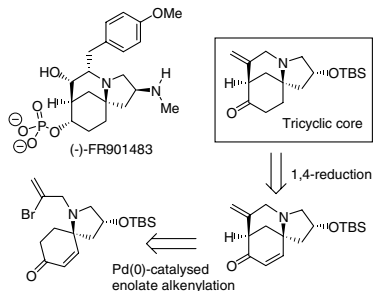
The synthesis of metalloporphyrazines with enhanced yields directly from substituted maleonitriles via tetramerization is described.

Enantioselective synthesis of the tricyclic core of (–)-FR901483

pp 2631–2634

Asnuzilawati Asari, Plamen Angelov, James M. Auty and Christopher J. Hayes*

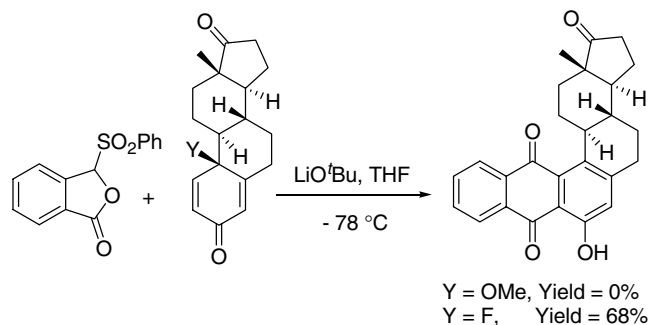
An enantioselective synthesis of the tricyclic core structure of the immunosuppressant natural product (–)-FR901483 has been achieved using a Pd(0)-catalysed enolate α -alkenylation reaction as a key step.



4-Fluorocyclohexa-2,5-dienones as new acceptors for the Hauser annulation

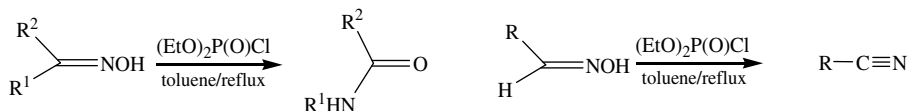
pp 2635–2638

Pallab Pahari, Bidyut Senapati and Dipakranjan Mal*

**Efficient Beckmann rearrangement and dehydration of oximes via phosphonate intermediates**

pp 2639–2643

A. R. Sardarian,* Z. Shahsavari-Fard, H. R. Shahsavari and Z. Ebrahimi

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*Corresponding author

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ISSN 0040-4039