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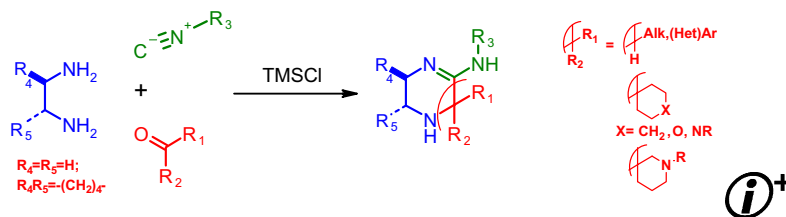
COMMUNICATIONS

TMSCl-promoted isocyanide-based MCR of ethylenediamines: an efficient assembling of 2-aminopyrazine core

pp 6239–6244

Volodymyr Kysil,* Sergey Tkachenko, Alexander Khvat, Caroline Williams, Sergey Tsirulnikov, Marina Churakova and Alexandre Ivachtchenko

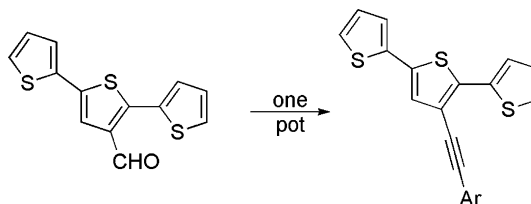
New trimethylchlorosilane (TMSCl) promoted multicomponent reaction (MCR) of ethylenediamine(s), diverse carbonyl compounds, and isocyanides is proposed for the synthesis of a variety of highly substituted 3,4,5,6-tetrahydropyrazin-2-amines including corresponding spirocyclic compounds.



Facile synthesis of acetylene-substituted terthiophenes

pp 6245–6248

Pawel Wagner,* Ashton C. Partridge, Kenneth W. Jolley and David L. Officer

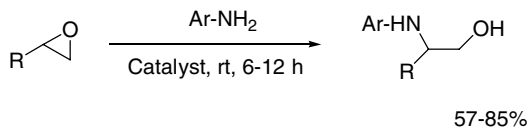


A modified Horner–Emmons condensation reaction has been employed for the synthesis of acetylene modified substituted terthiophenes in excellent yields.

A mild and efficient synthesis of β -amino alcohols from epoxides using a mesoporous aluminosilicate catalyst

pp 6249–6251

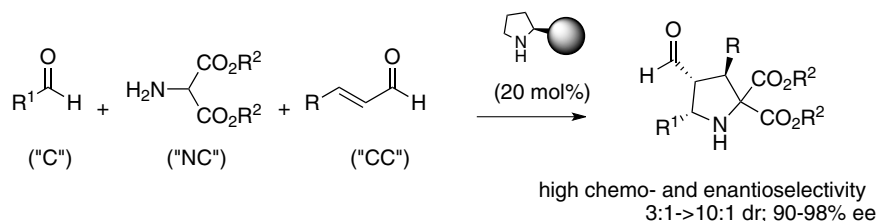
Mathew W. C. Robinson, David A. Timms, Sarah M. Williams and Andrew E. Graham*



Organocatalytic asymmetric multi-component [C+NC+CC] synthesis of highly functionalized pyrrolidine derivatives

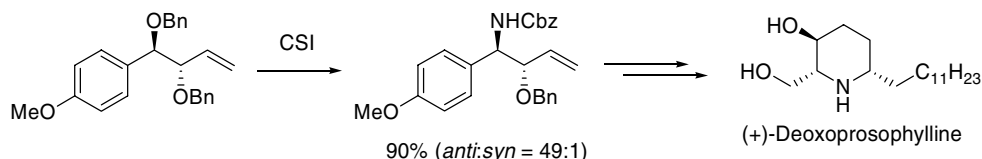
pp 6252–6257

Ismail Ibrahim, Ramon Rios, Jan Vesely and Armando Córdoba*


An efficient stereoselective synthesis of (+)-deoxoprosopphylline

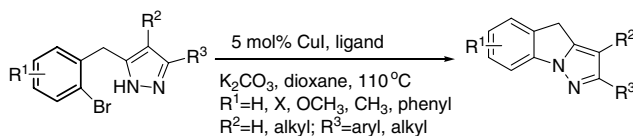
pp 6258–6261

In Su Kim, Chae Baek Ryu, Qing Ri Li, Ok Pyo Zee and Young Hoon Jung*


Synthesis of pyrazolo[1,5-*a*]indoles via copper(I)-catalyzed intramolecular amination

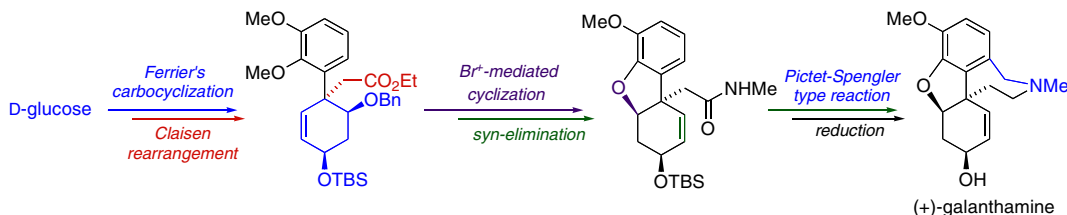
pp 6262–6266

Yong-Ming Zhu,* Lie-Na Qin, Rui Liu, Shun-Jun Ji and Hajime Katayama


Total synthesis of (+)-galanthamine starting from D-glucose

pp 6267–6270

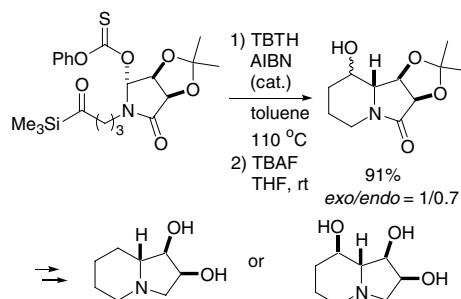
Hiroki Tanimoto, Tomoaki Kato and Noritaka Chida*



The stereoselective total synthesis of (+)-galanthamine **1** starting from D-glucose is described. The quaternary carbon in **1** was stereoselectively generated via chirality transfer based on the Claisen rearrangement of a cyclohexanol, prepared from D-glucose using Ferrier's carbocyclization reaction. The dibenzofuran skeleton was constructed by the bromonium ion-mediated intramolecular cyclization.

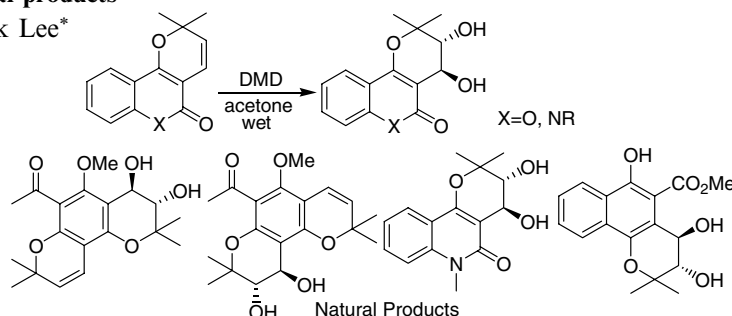
Intramolecular α -acylamino radical cyclizations with acylsilanes in the preparation of polyhydroxylated alkaloids: (+)-lentiginosine, (+)-1,8a-di-*epi*-lentiginosine, and (+)-1,2-di-*epi*-swainsonine pp 6271–6274

Ming-Jen Chen and Yeun-Min Tsai*



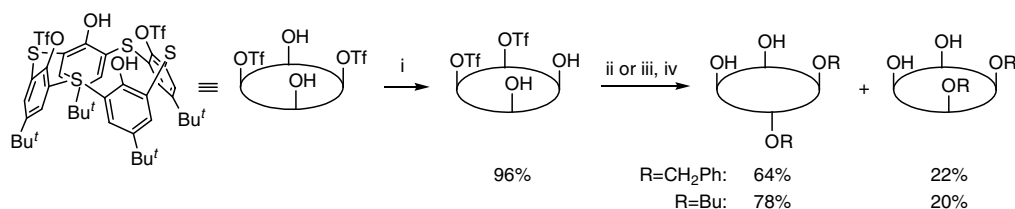
Efficient one-pot *trans*-dihydroxylation of 2*H*-pyrans using dimethyldioxirane (DMD): synthesis of *trans*-3,4-dihydroxy-3,4-dihydro-*O*-methyloctandreolones, orixalone D, and *trans*-3,4-dihydroxy-3,4-dihydromollugin natural products pp 6275–6280

Xue Wang and Yong Rok Lee*



Intramolecular rearrangement of 1,3-bistriflate ester of thiacalix[4]arene to 1,2-counterpart: an efficient di-*O*-protection method for the stereoselective synthesis of *anti*-1,2-diethers pp 6281–6285

Ryuichi Serizawa, Shinya Tanaka, Naoya Morohashi, Fumitaka Narumi and Tetsutaro Hattori*



Reagents: i, Pr₂EtN, DMSO; ii, PhCH₂Br, K₂CO₃, acetone; iii, BuOH, PPh₃, DEAD, THF; iv, NaOH, THF-EtOH-H₂O.

A simple and efficient synthesis of *gem*-dihydroperoxides from ketones using aqueous hydrogen peroxide and catalytic ceric ammonium nitrate pp 6286–6289

Biswanath Das,* Maddeboina Krishnaiah, Boyapati Veeranjanyulu and Bommenna Ravikanth

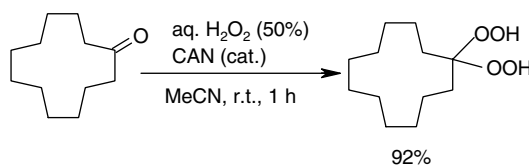
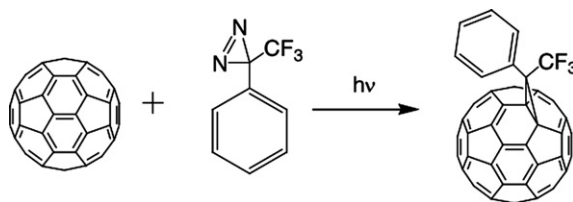


Photo-labeling of C₆₀ with 3-trifluoromethyl-3-phenyldiazirine

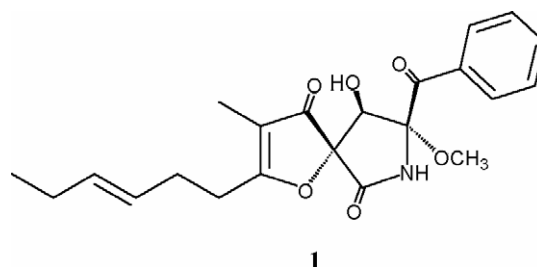
pp 6290–6293

Satoru Sato, Michio Yamada, Takatsugu Wakahara, Takahiro Tsuchiya, Midori O. Ishitsuka, Takeshi Akasaka* and Michael T. H. Liu*

**Cephalimysin A, a potent cytotoxic metabolite from an *Aspergillus* species separated from a marine fish** pp 6294–6296

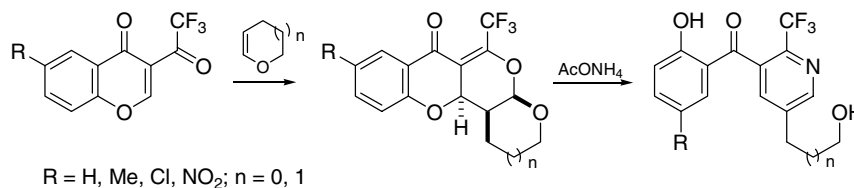
Takeshi Yamada,* Eiji Imai, Kazuyo Nakatsuji, Atsushi Numata and Reiko Tanaka

Cephalimysin A (**1**) was isolated from a fungal strain originally separated from the marine fish, and its absolute stereostructure was elucidated by NMR techniques and some chemical transformations.

**Stereoselective hetero-Diels–Alder reaction of 3-(trifluoroacetyl)chromones with cyclic enol ethers: synthesis of 3-aroyle-2-(trifluoromethyl)pyridines with ω-hydroxyalkyl groups**

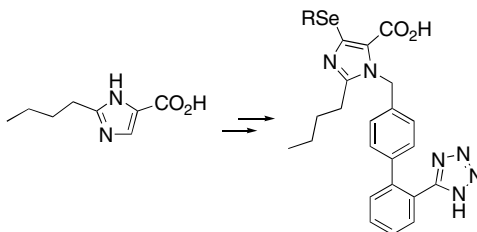
pp 6297–6300

Vyacheslav Ya. Sosnovskikh,* Roman A. Irgashev, Igor A. Khalymbadzha and Pavel A. Slepukhin

**Selenofonsartan analogues: novel selenium-containing antihypertensive compounds**

pp 6301–6303

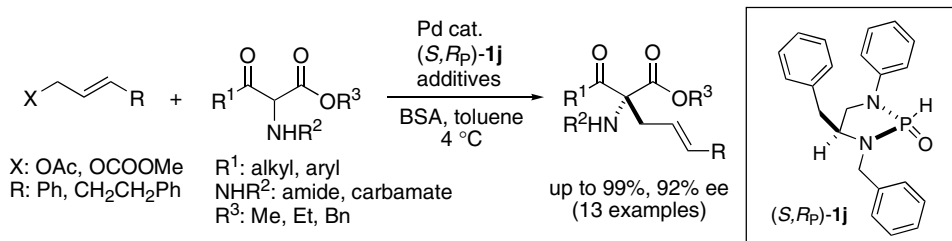
Rebecca L. Grange, James Ziogas, James A. Angus and Carl H. Schiesser*



Two selenium-containing analogues of the antihypertensive compound fonsartan have been prepared and tested for AT₁ receptor antagonist properties. Both compounds proved to be potent AT₁ receptor antagonists, with pK_b estimates indicating that these selenides are at least as effective as other known sartans at blocking AT₁ receptor mediated responses.

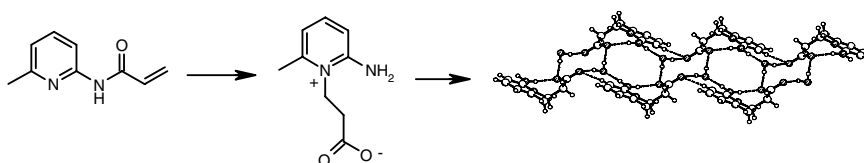
Pd-catalyzed enantioselective synthesis of quaternary α -amino acid derivatives using a phenylalanine-derived P-chirogenic diaminophosphine oxide pp 6304–6307

Tetsuhiro Nemoto, Teisuke Harada, Takayoshi Matsumoto and Yasumasa Hamada*



***N*-(6-Methyl-2-pyridyl)acrylamide: a case of amide hydrolysis without the assistance of acid or base in the synthesis of water-driven H-bonded polymeric chains** pp 6308–6311

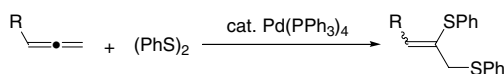
Kumaresh Ghosh,* Tanushree Sen and Roland Fröhlich



Amide hydrolysis of *N*-(6-methyl-2-pyridyl)acrylamide without the assistance of either acid or base produces the aminopyridinium carboxylate salt at low or room temperature. The carboxylate ion and the free amine functionalities are cooperatively involved in hydrogen bonding with lattice water to form a new hydrogen-bonded polymeric chain.

A novel palladium(0)-catalyzed addition of diphenyl disulfide to allenes leading to vicinal disulfides and its application to carbonylation with carbon monoxide pp 6312–6317

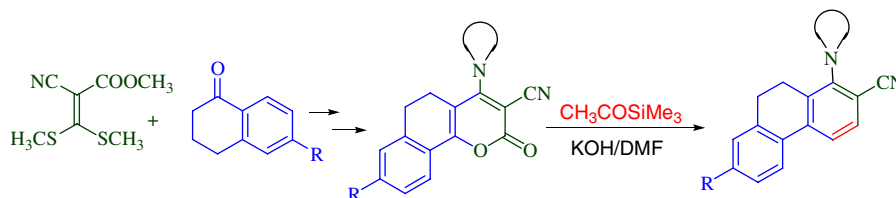
Shintaro Kodama, Etsuyo Nishinaka, Akihiro Nomoto, Motohiro Sonoda and Akiya Ogawa*



Acetyltrimethylsilane mediated synthesis of dihydrophenanthrenes

pp 6318–6320

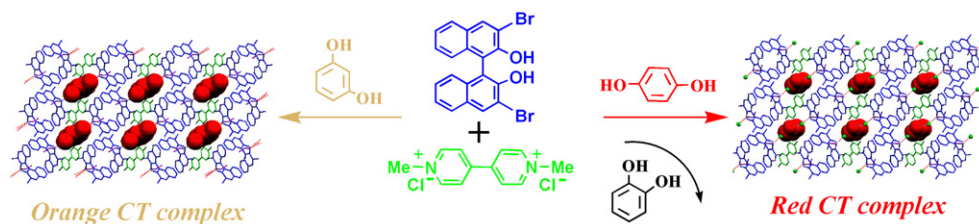
Ramendra Pratap and Vishnu Ji Ram*



An isoselective and visual inclusion host system using charge-transfer complexes of 3,3'-disubstituted-1,1'-bi-2-naphthol and methylviologen

pp 6321–6325

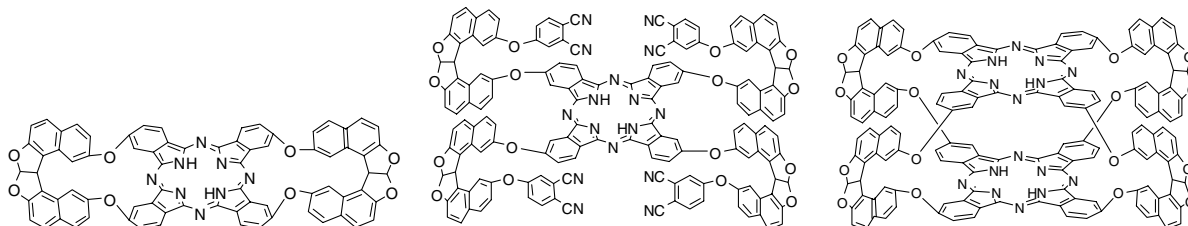
Yoshitane Imai,* Kensaku Kamon, Takafumi Kinuta, Tajima Nobuo, Tomohiro Sato, Reiko Kuroda and Yoshio Matsubara*



Synthesis, characterization and electrical properties of novel mono- and cofacial bisphthalocyanines bridged with four [1a,8b-dihydronaphtho[b]naphthofuro[3,2-d]furan-7,10-diyl] units

pp 6326–6329

Zafer Odabaş, Ahmet Altındal, Bekir Salih, Mustafa Bulut and Özer Bekaroğlu*



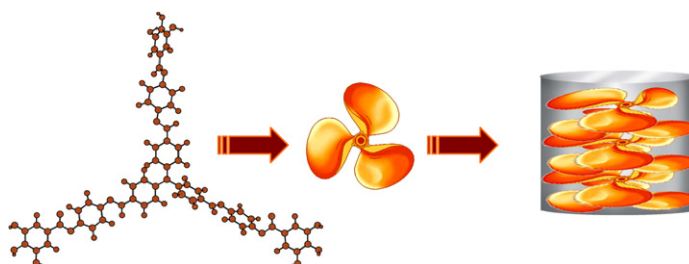
Novel mono phthalocyanines and cofacial bisphthalocyanines were synthesized from 4,4'-(1a,8b-dihydronaphtho[b]naphthofuro-[3,2-d]furan-7,10-diyl)bis(oxy)diphthalonitrile.



A columnar mesophase from a disc-shaped molecule derived from triphenylamine: synthesis, mesomorphic behaviour and optical properties

pp 6330–6333

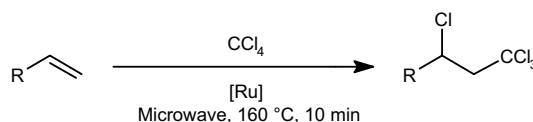
K. C. Majumdar,* Nilasish Pal, Pradip Debnath and Nandiraju V. S. Rao



Microwave-enhanced ruthenium-catalysed atom transfer radical additions

pp 6334–6338

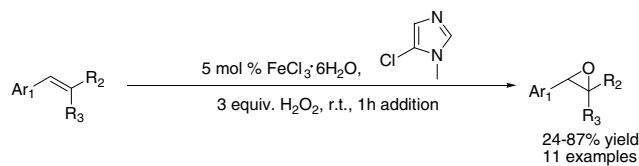
Yannick Borguet, Aurore Richel, Sébastien Delfosse, Alain Leclerc, Lionel Delaude and Albert Demonceau*



Novel biomimetic iron-catalysts for environmentally benign epoxidations of olefins

pp 6339–6342

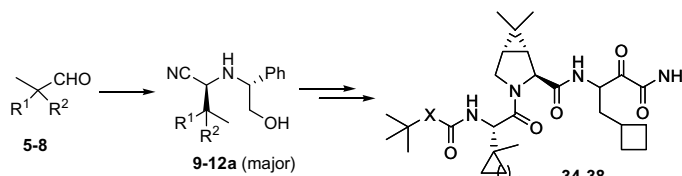
Kristin Schröder, Xiaofeng Tong, Bianca Bitterlich, Man Kin Tse, Feyissa Gadissa Gelalcha, Angelika Brückner and Matthias Beller*

**Practical and efficient method for amino acid derivatives containing β -quaternary center: application toward synthesis of hepatitis C virus NS3 serine protease inhibitors**

pp 6343–6347

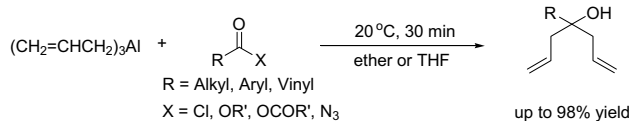
Ashok Arasappan,* Srikanth Venkatraman, Angela I. Padilla, Wanli Wu, Tao Meng, Yan Jin, Jesse Wong, Andrew Prongay, Viyyoor Girijavallabhan and F. George Njoroge

A practical and efficient route toward synthesis of amino acid derivatives containing β -quaternary center has been developed using diastereoselective Strecker reaction. The method was employed for preparation of >100 g of β -methylcyclohexyl glycine derivative, **21**. Incorporation of some of the hindered amino acid derivatives at the P3 position resulted in potent HCV NS3 serine protease inhibitors.

**An efficient of Grignard-type procedure for the preparation of *gem*-diallylated compound**

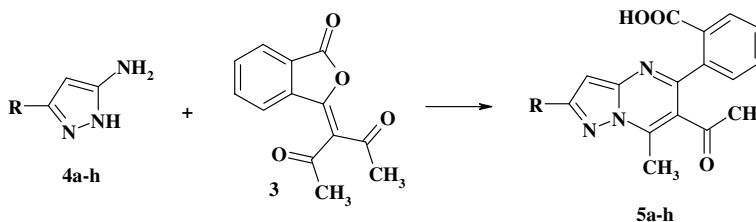
pp 6348–6351

Kao-Hsien Shen, Chun-Wei Kuo and Ching-Fa Yao*

**Regioselective synthesis of novel polyfunctionally substituted pyrazolo[1,5-*a*]pyrimidines under solvent-free conditions**

pp 6352–6355

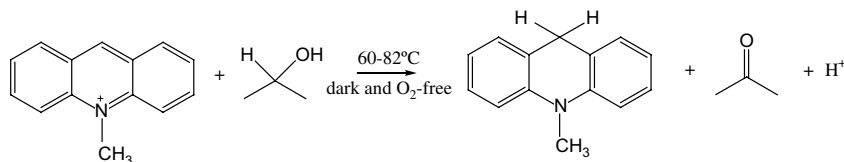
Jairo Quiroga,* Jaime Portilla, Rodrigo Abonía, Braulio Insuasty, Manuel Nogueras and Justo Cobo



Effective thermal oxidation of isopropanol by an NAD⁺ model

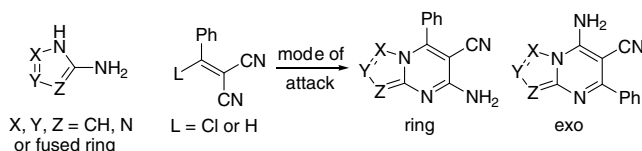
pp 6356–6359

Yun Lu,* Donald Endicott and William Kuester

**Regiochemistry of addition of aminoheterocycles to α-cyanocinnamonnitriles: formation of aza-bridged bi- and tricycles**

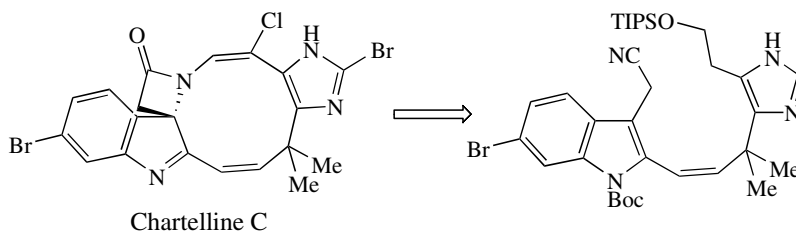
pp 6360–6363

Michael D. Wendt,* Aaron Kunzer, Rodger F. Henry, Jeffrey Cross and Thomas G. Pagano

**Studies towards the synthesis of the marine alkaloid chartelline C**

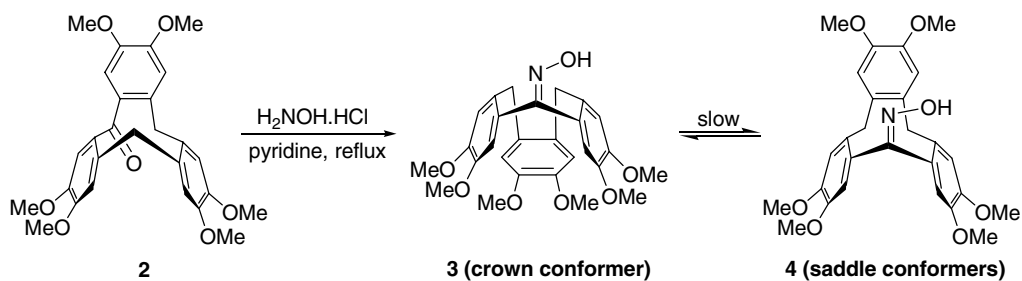
pp 6364–6367

Phillip J. Black, Evan A. Hecker and Philip Magnus*

**Isolation of the saddle and crown conformers of cyclotrimeratrylene (CTV) oxime**

pp 6368–6371

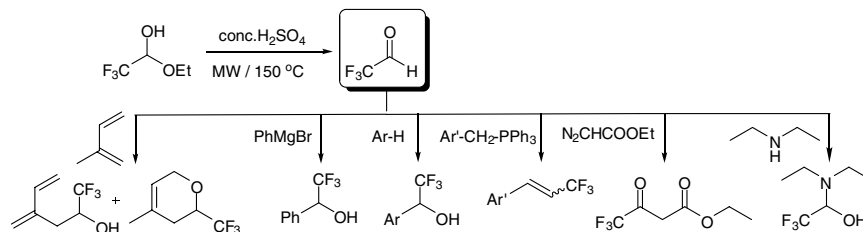
Marlon R. Lutz, Jr., David C. French, Peter Rehage and Daniel P. Becker*



Microwave-assisted preparation of trifluoroacetaldehyde (fluoral): isolation and applications

pp 6372–6376

Shainaz M. Landge, Dmitry A. Borkin and Béla Török*

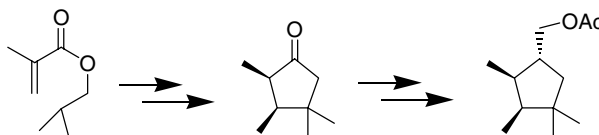


A novel method for the preparation of trifluoroacetaldehyde (fluoral, TFAc, CF_3CHO) from commercially available trifluoroacetaldehyde ethylhemiacetal (TFAE) by microwave irradiation is described. The isolation, characterization and reaction of fluoral with various nucleophiles are studied to verify the diverse applicability of this new method.

Synthesis of the sex pheromone of the obscure mealybug, the first example of a new class of monoterpenoids

pp 6377–6379

Jocelyn G. Millar* and Sharon L. Midland

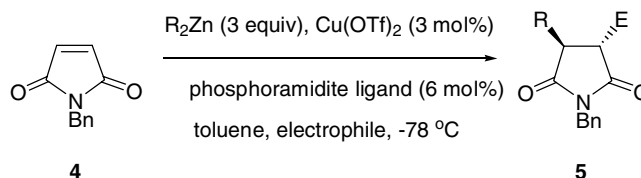


The title compound was synthesized using a PPA-catalyzed cyclization, and diastereoselective quenching of a key intermediate to set up the relative stereochemistry of the methyl groups.

**Michael addition–electrophilic quenching chemistry of maleimides using dialkylzinc reagents**

pp 6380–6383

Emmanuel Dardennes, Stefania Labano, Nigel S. Simpkins* and Claire Wilson

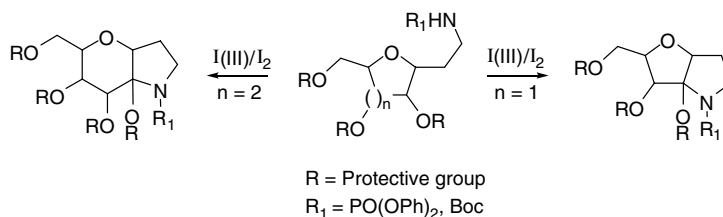


Michael addition–electrophilic quench reactions of *N*-alkyl maleimides are possible using dialkylzincs in combination with a copper catalyst and a phosphoramidite ligand. Up to 55% ee has been achieved for one example ($\text{E} = \text{H}$) using a chiral ligand.

Intramolecular 1,5-hydrogen atom transfer reaction promoted by phosphoramidyl and carbamoyl radicals: synthesis of 2-amino-*C*-glycosides

pp 6384–6388

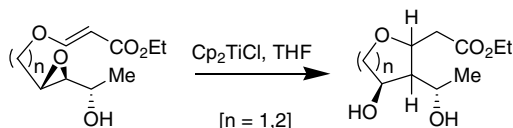
Cosme G. Francisco, Antonio J. Herrera, Ángeles Martín, Inés Pérez-Martín and Ernesto Suárez*



Studies on radical cyclization of 2,3-epoxy alcohols containing a β -(alkoxy)acrylate moiety using Cp_2TiCl

pp 6389–6392

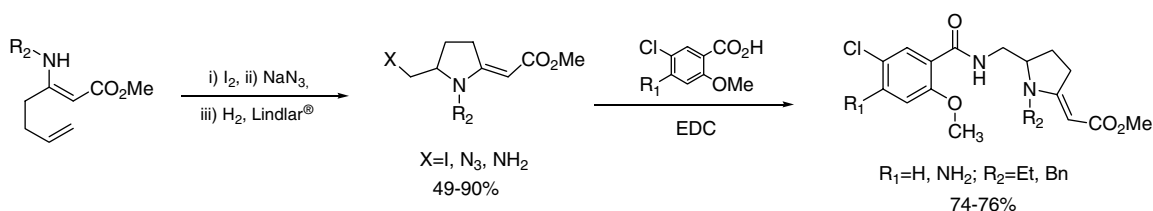
Tushar Kanti Chakraborty,* Rajarshi Samanta and Krishnan Ravikumar



Synthesis of pyrrolidine-substituted benzamides via iodocyclization of β -enaminoesters

pp 6393–6396

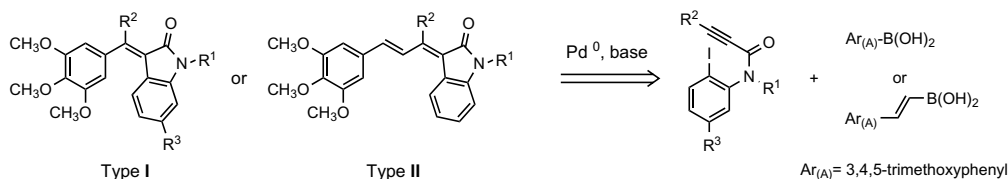
Eliseu O. De Oliveira,* Carlos A. Brandt, Maria A. B. Da Silveira and Richard A. Glennon



Tandem Heck–Suzuki–Miyaura reaction: Application to the synthesis of constrained analogues of combretastatin A-4

pp 6397–6400

Martin Arthuis, Renée Pontikis* and Jean-Claude Florent

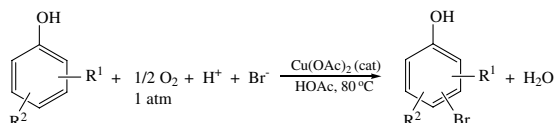


An efficient synthesis of (*E*)-3-arylmethyleneoxindoles (type I) and (*EE*)-3-alkylideneoxindoles (type II) have been developed from various anilides.

A practical highly selective oxybromination of phenols with dioxygen

pp 6401–6404

Luciano Menini, Luciana A. Parreira and Elena V. Gusevskaya*

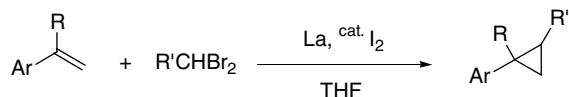


A simple, low cost, and highly selective method for the synthesis of mono-bromophenols has been developed. Bromide ions are used as halogenating agents, dioxygen as a final oxidant, and $\text{Cu}(\text{OAc})_2$ as a catalyst.




Lanthanum metal-assisted cyclopropanation of alkenes with *gem*-dihaloalkanes**pp 6405–6407**

Yutaka Nishiyama,* Hana Tanimizu and Tsuyoshi Tomita

**OTHER CONTENT****Calendar****p I**

*Corresponding author

 Supplementary data available via ScienceDirectAvailable online at www.sciencedirect.com

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