

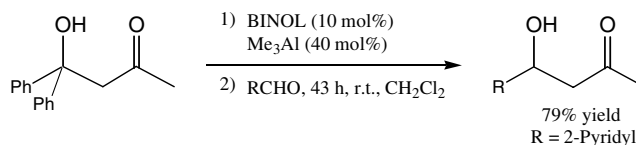
Contents

COMMUNICATIONS

Convenient enol equivalents for catalytic aldol-transfer reactions

pp 7133–7135

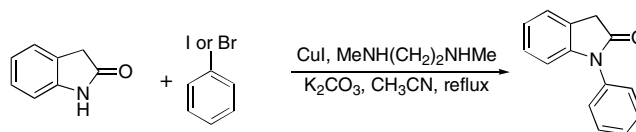
Bixia Xi and Vesa Nevalainen*



Copper-catalyzed N-arylation of oxindoles

pp 7137–7138

Dean P. Phillips, Andrew R. Hudson,* Bao Nguyen, Thomas L. Lau, Matthew H. McNeill, Jackline E. Dalgard, Jyun-Hung Chen, Richard J. Penuliar, Todd A. Miller and Lin Zhi

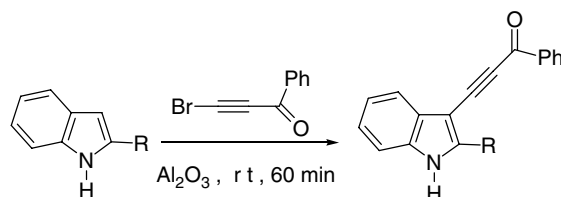


The coupling of aryl bromides or iodides with oxindoles using a copper iodide-*N,N'*-dimethylethylenediamine system is described. The reaction proceeds efficiently and tolerates a variety of substitution patterns.

Ethynylation of indoles with 1-benzoyl-2-bromoacetylene on Al₂O₃

pp 7139–7141

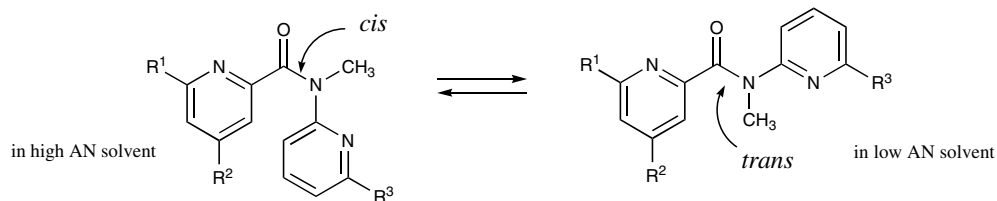
Lyubov' N. Sobenina, Andrey P. Demenev, Al'bina I. Mikhaleva, Igor' A. Ushakov, Alexander M. Vasil'tsov, Andrey V. Ivanov and Boris A. Trofimov*



Solvent-dependent conformational switching of the aromatic *N*-methyl amides depending upon the acceptor properties of solvents

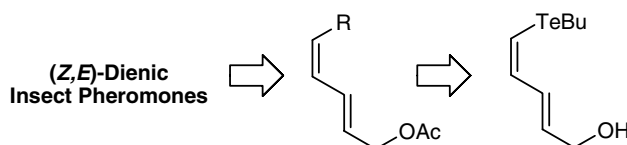
pp 7143–7146

Iwao Okamoto,* Mayumi Nabeta, Misaki Yamamoto, Maiko Mikami, Tetsuya Takeya and Osamu Tamura


Tellurium in organic synthesis: an approach to the synthesis of (*Z,E*)-dienic precursors of insect pheromones

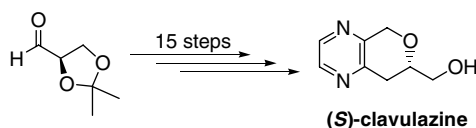
pp 7147–7148

Dennis G. Diego, Rodrigo L. O. R. Cunha and João V. Comasseto*


The first total synthesis of (*S*)-clavulazine from *D*-mannitol

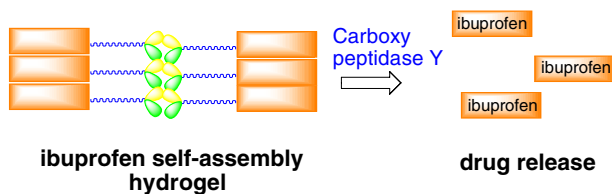
pp 7149–7151

S. Praveen Kumar, K. Nagaiah* and Mukund S. Chorghade


(*S*)-(+)-Ibuprofen-based hydrogelators: an approach toward anti-inflammatory drug delivery

pp 7153–7156

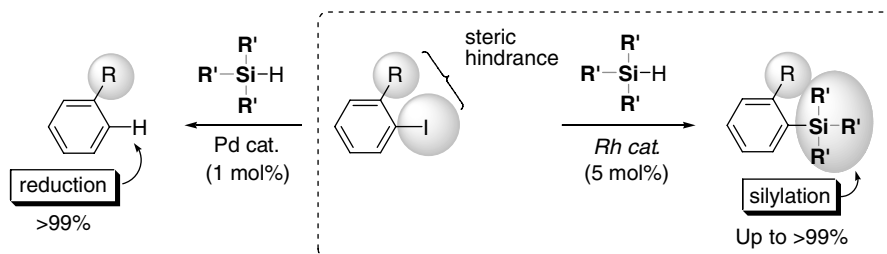
Sankarprasad Bhuniya, Young Jun Seo and Byeang Hyeon Kim*



Rhodium-catalyzed silylation of *ortho*-functionalized aryl halides with hydrosilanes

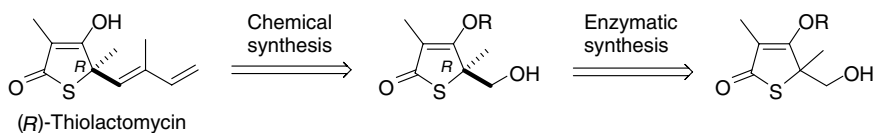
pp 7157–7161

Yoshinori Yamanoi* and Hiroshi Nishihara*

**Lipase-catalyzed kinetic resolution of thiotetronic acid derivatives bearing a chiral quaternary carbon: total synthesis of (*R*)-thiolactomycin and its *O*-analogue**

pp 7163–7166

Ken-ichi Toyama, Tetsuo Tauchi, Nobuyuki Mase, Hidemi Yoda and Kunihiro Takabe*

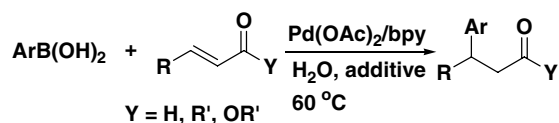


Lipase-catalyzed kinetic resolution of thiotetronic acid derivatives having a quaternary carbon was investigated. Total synthesis of (*R*)-thiolactomycin from (*R*)-alcohol was achieved in 36% yield in five steps.

Palladium–bipyridine catalyzed conjugate addition of arylboronic acids to α,β -unsaturated carbonyl compounds in aqueous media

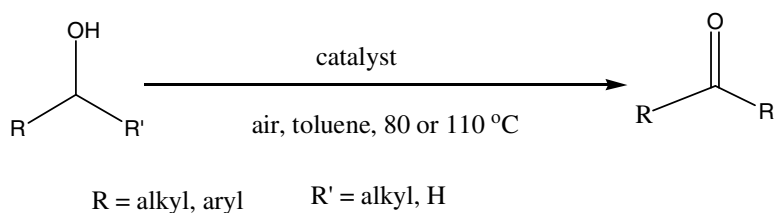
pp 7167–7170

Shaohui Lin and Xiyan Lu*

**Polyoxometalate compound: a highly efficient heterogeneous catalyst for aerobic alcohol oxidation**

pp 7171–7174

Jianmin Wang, Liang Yan, Guang Qian and Xiaolai Wang*

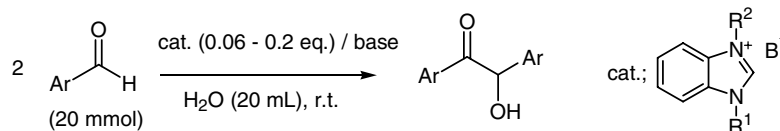


Keggin-polyoxometalate complex $\text{Na}_{6.3}\text{Fe}_{0.9}[\text{AlMo}_{11}\text{O}_{39}]\cdot 2\text{H}_2\text{O}$ was demonstrated to be an effective solid catalyst for the selective oxidation of alcohols in the presence of air as oxidant.

Benzoin reaction in water as an aqueous medium catalyzed by benzimidazolium salt

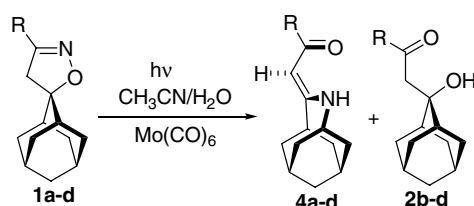
pp 7175–7177

Ken-ichi Iwamoto,* Masako Hamaya, Naoki Hashimoto, Hitomi Kimura, Yumiko Suzuki and Masayuki Sato

**A novel photoinduced ring opening and isomerization of adamantane-2-spiro isoxazolines using $\text{Mo}(\text{CO})_6$**

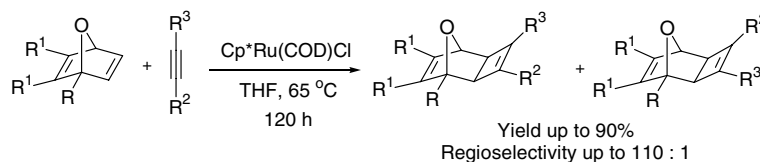
pp 7179–7183

Annamalai Senthilvelan, Gene-Hsiang Lee and Wen-Sheng Chung*

**Ruthenium-catalyzed [2+2] cycloadditions between C1-substituted 7-oxanorbornadienes and alkynes**

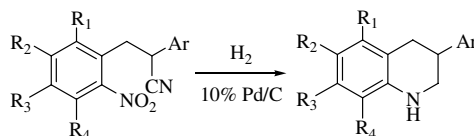
pp 7185–7189

Ryan R. Burton and William Tam*

**Convenient synthesis of 1,2,3,4-tetrahydroquinolines via direct intramolecular reductive ring closure**

pp 7191–7193

Wuhong Chen, Bo Liu, Chunhao Yang* and Yuyuan Xie



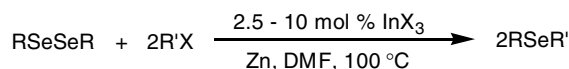
A simple and convenient procedure for the synthesis of 3-aryl-1,2,3,4-tetrahydroquinolines is reported. 3-Aryl-1,2,3,4-tetrahydroquinolines are directly obtained by reductive ring closure of 2-phenyl-3-(2-nitrophenyl)propanenitrile derivatives in moderate to high yields.



Efficient synthesis of diorganyl selenides via cleavage of Se–Se bond of diselenides by indium(III) catalyst and zinc

pp 7195–7198

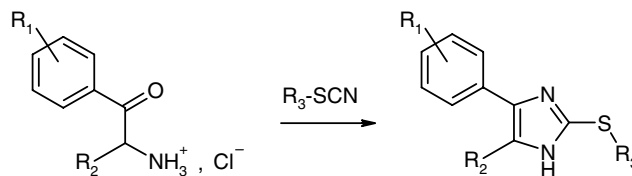
Antonio L. Braga,* Paulo H. Schneider, Marcio W. Paixão and Anna M. Deobald



A concise and optimized four-step approach toward 2-(aryl-)alkylsulfanyl-, 4(5)-aryl-, 5(4)-heteroaryl-substituted imidazoles using alkyl- or arylalkyl thiocyanates

pp 7199–7203

Stefan A. Laufer* and Andy J. Liedtke



5 R₁ = e.g. 4-fluoro-, 3-trifluoromethyl-
R₂ = (halogen-substituted) heteroaryl moiety
R₃ = alkyl/arylalkyl moiety

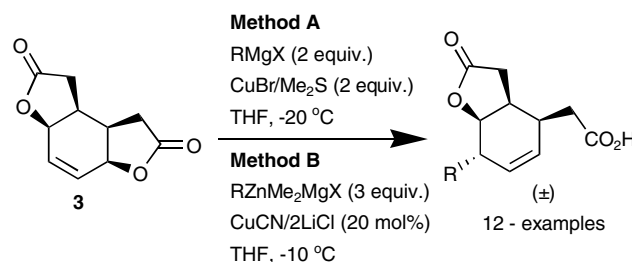
Cyclization with substituted thiocyanates.



Copper-catalysed *meso*-bislactone ring opening using Grignard and mixed triorganozinc reagents

pp 7205–7208

Scott Borthwick, Wolfgang Dohle, Paul R. Hirst and Kevin I. Booker-Milburn*



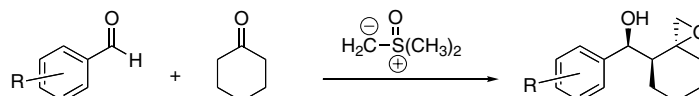
(±)
12 - examples



Diastereoselective sulfur ylide promoted aldol/epoxidation

pp 7209–7212

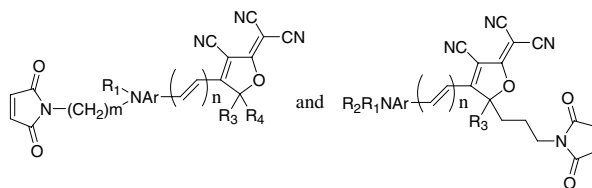
Jeffrey A. Hansen,* Colin R. Smith, Ryan J. Linder and John C. Huffman



Improved synthesis of DCDHF fluorophores with maleimide functional groups

pp 7213–7217

Zhikuan Lu, Ryan Weber and Robert J. Twieg*

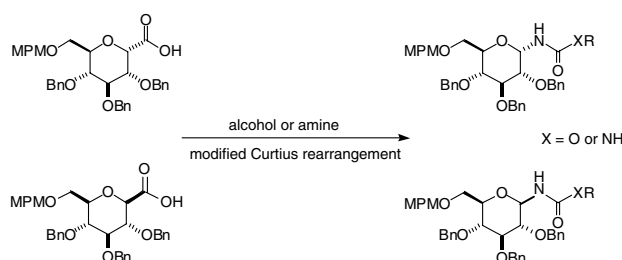


A group of dicyanodihydrofuran (DCDHF) fluorophores with maleimide functionality has been synthesized. One of the methods used is an aromatic nucleophilic substitution reaction. Another generally useful method is combination of the Mitsunobu reaction of the DCDHF-OH with protected maleimide with a subsequent retro Diels–Alder reaction.

A new and facile synthesis of carbamate- and urea-linked glycoconjugate using modified Curtius rearrangement

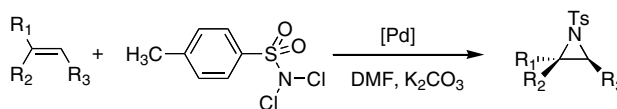
pp 7219–7223

Daisuke Sawada, Shinya Sasayama, Hideyo Takahashi and Shiro Ikegami*

**Palladium-catalyzed aziridination of alkenes using *N,N*-dichloro-*p*-toluenesulfonamide as nitrogen source**

pp 7225–7228

Jianlin Han, Yufeng Li, Sanjun Zhi, Yi Pan,* Cody Timmons and Guigen Li*

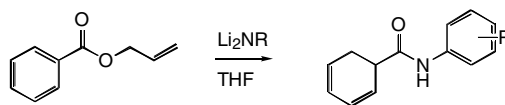


N,N-Dichloro-*p*-toluenesulfonamide (TsNCl₂) was found to be an efficient nitrogen source for the aziridination of unfunctionalized alkenes using palladium catalysts. Among the palladium salts, palladium acetate was the most effective catalyst for this reaction. A variety of alkenes were reacted at room temperature with TsNCl₂ to form the desired aziridines in moderate to good yields. This method can complement our previous protocol which is limited to the use of electron-deficient α,β -unsaturated alkenes.

Aminolysis of allyl esters with bislithium aryl amides

pp 7229–7231

Catherine A. Faler and Madeleine M. Joullie*

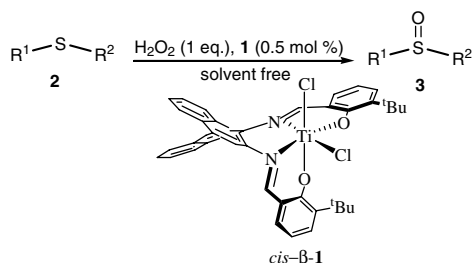


The aminolysis of unactivated esters with bislithium aryl amides is reported.



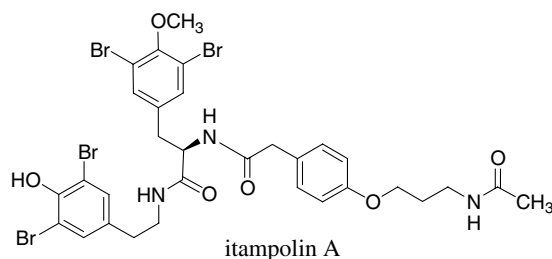
An efficient solvent free catalytic oxidation of sulfides to sulfoxides with hydrogen peroxide catalyzed by a binaphthyl-bridged Schiff base titanium complex pp 7233–7235

Margherita De Rosa, Marina Lamberti, Claudio Pellecchia, Arrigo Scettri, Rosaria Villano and Annunziata Soriente*



Itampolins A and B, new brominated tyrosine derivatives from the sponge *Iotrochota purpurea* pp 7237–7239

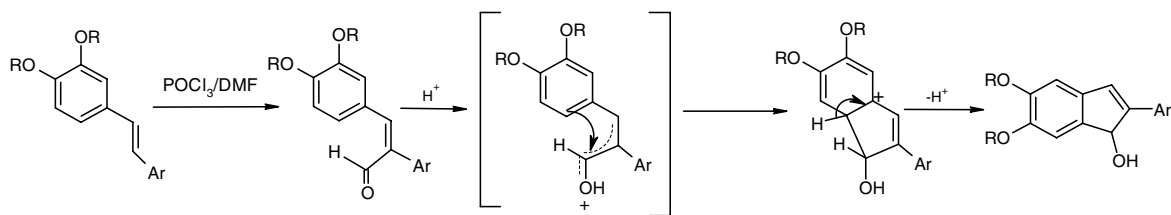
Hagit Sorek, Amira Rudi, Maurice Aknin, Emile Gaydou and Yoel Kashman*



Two novel compounds, designated as itampolins A and B were isolated from the sponge *Iotrochota purpurea* collected at Itampolo, southwest of Tuléar, Madagascar.

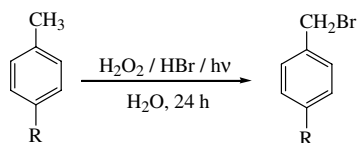
Domino synthesis of indenols and alkyl-indene ethers under modified Vilsmeier conditions pp 7241–7243

Parvinder Pal Singh, P. Bhaskar Reddy, Sanghapal D. Sawant, S. Koul, S. C. Taneja and H. M. Sampath Kumar*



Free radical bromination by the H₂O₂–HBr system on water pp 7245–7247

Ajda Podgoršek, Stojan Stavber, Marko Zupan and Jernej Iskra*

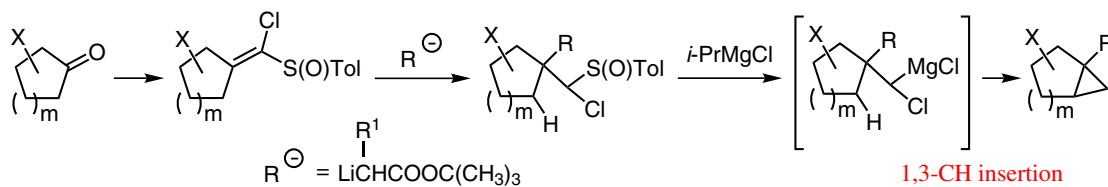


H₂O₂/HBr in pure water, in the presence of 40 W incandescent light bulb irradiation as an initiator of the radical chain process provides a simple and efficient haloperoxidase-like system for benzylic bromination.

A versatile synthesis, including asymmetric synthesis, of bicyclo[*n*.1.0]alkanes from cyclic ketones via the magnesium carbenoid 1,3-CH insertion as a key reaction

pp 7249–7253

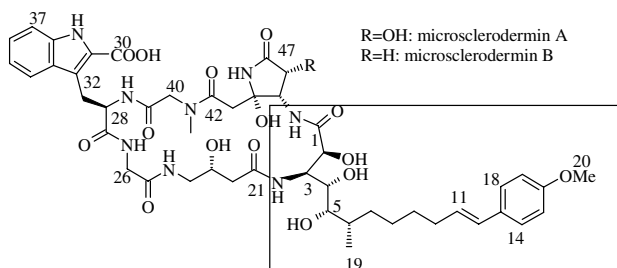
Tsuyoshi Satoh,* Shingo Ogata and Daisuke Wakasugi



Stereoselective synthesis of the C1–C20 segment of the microsclerodermins A and B

pp 7255–7258

S. Chandrasekhar* and S. Shameem Sultana

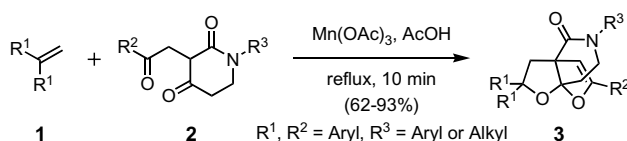


An enantioselective route for synthesis of the C1–C20 skeleton segment of microsclerodermins A and B is described.

Synthesis of heterocyclic propellanes using Mn(III)-based oxidative cyclization

pp 7259–7262

Kentarō Asahi and Hiroshi Nishino*



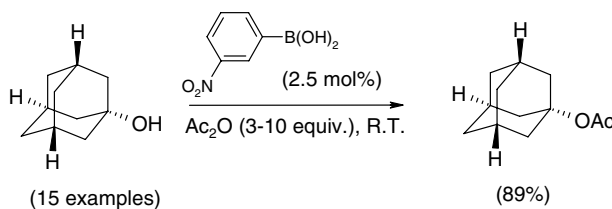
The Mn(III)-based oxidative cyclization of 1,1-diaarylethenes **1** with piperidinediones **2** gave propellanes **3** in high yields.



A novel 3-nitrobenzeneboronic acid as an extremely mild and environmentally benign catalyst for the acetylation of alcohols under solvent-free conditions

pp 7263–7265

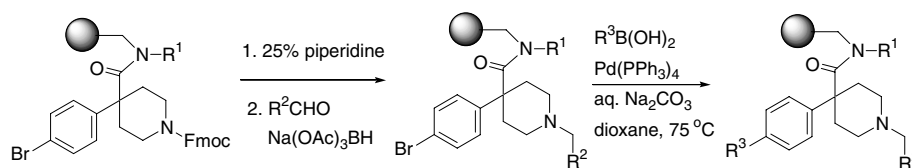
R. H. Tale* and R. N. Adude



Solid-phase synthesis of 4-biaryl-piperidine-4-carboxamides

pp 7267–7270

Jin Zhu,* Richard S. Pottorf and Mark R. Player




A novel solid-phase synthesis of 4-biaryl-piperidine-4-carboxamides has been developed using FDMP resin with a carboxamide as the anchor point. With this approach, three points of diversity were incorporated into a GPCR-directed scaffold.

OTHER CONTENTS

Corrigendum
Calendar

p 7271
p I

*Corresponding author

+ Supplementary data available via ScienceDirect

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