

Tetrahedron Letters Vol. 49, No. 1, 2008

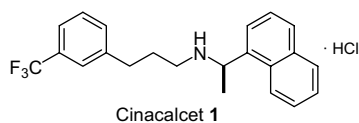
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COMMUNICATIONS

Practical synthesis of the calcimimetic agent, cinacalcet

pp 13–15

Oliver R. Thiel,* Charles Bernard, Wanda Tormos, Alan Brewin, Shuji Hirotsu, Kazuo Murakami, Kenji Saito, Robert D. Larsen, Michael J. Martinelli and Paul J. Reider

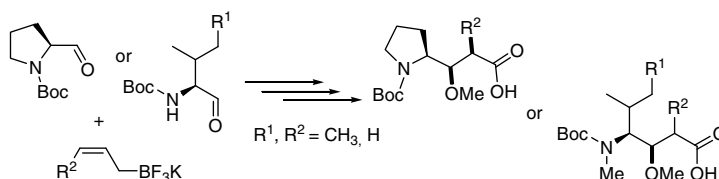


A practical three-step synthesis for the type II calcimimetic cinacalcet **1** is reported.

Stereoselective synthesis of the dolastatin units by organotrifluoroborate additions to α -amino aldehydes

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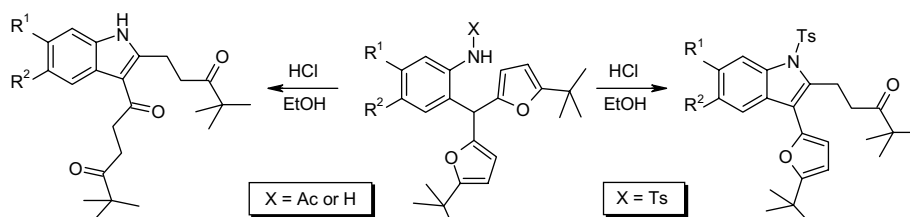
Rodrigo Cella, Raphael C. Venturoso and Hélio A. Stefani*



The effect of an N-substituent on the recyclization of (2-aminoaryl)bis(5-*tert*-butyl-2-furyl)methanes: synthesis of 3-furylindoles and triketoindoles

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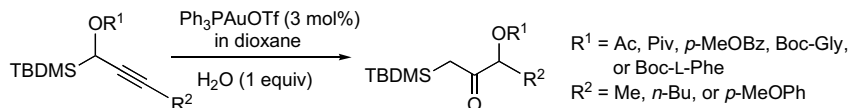
Alexander V. Butin,* Sergey K. Smirnov and Igor V. Trushkov



Au(I)-catalyzed efficient synthesis of α -acyloxy- α' -silyl ketones from α -acyloxy- α -alkynylsilanes

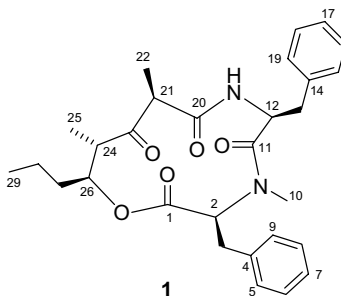
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Kazuhiko Sakaguchi,* Takuya Okada, Tetsuro Shinada and Yasufumi Ohfuné*

**Stereocalpin A, a bioactive cyclic depsipeptide from the Antarctic lichen *Stereocaulon alpinum***

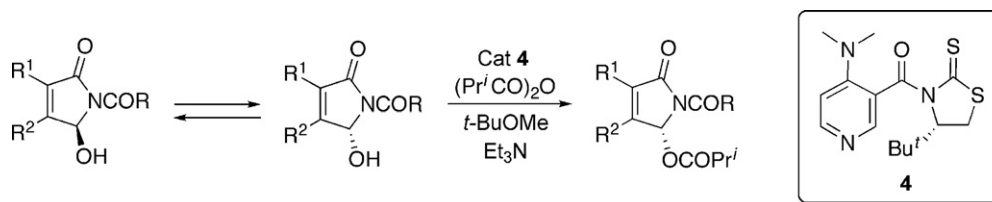
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Changon Seo, Joung Han Yim, Hong Kum Lee, Seong Min Park, Jae-Hak Sohn and Hyuncheol Oh*

A new cyclic depsipeptide stereocalpin A was isolated from the Antarctic lichen *Stereocaulon alpinum*.**Dynamic kinetic resolution of hemiaminals using a novel DMAP catalyst**

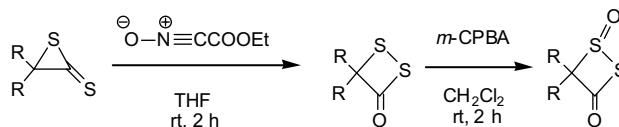
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Shinji Yamada* and Kaori Yamashita

**First isolation of 1,2-dithietan-3-one from α -dithiolactone**

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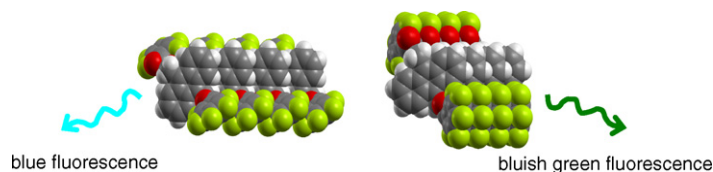
Toshiyuki Shigetomi, Kentaro Okuma* and Yoshinobu Yokomori



Polymorphism-dependent fluorescence of 9,10-bis(pentafluorobenzoyloxy)anthracene

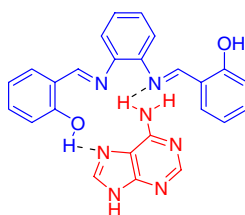
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Shigeo Kohmoto,* Ryota Tsuyuki, Hyuma Masu, Isao Azumaya and Keiki Kishikawa

**Highly selective imine-linked fluorescent chemosensor for adenine employing multiple hydrogen bonding**

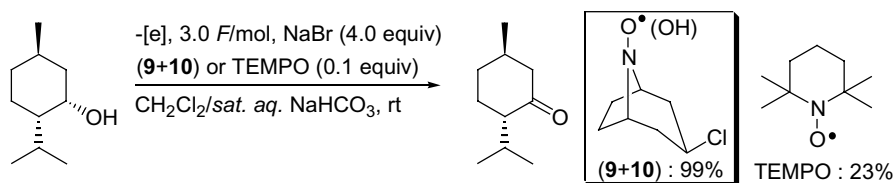
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Narinder Singh, Gang Woo Lee and Doo Ok Jang*

**Efficient oxidation of alcohols electrochemically mediated by azabicyclo-*N*-oxyls**

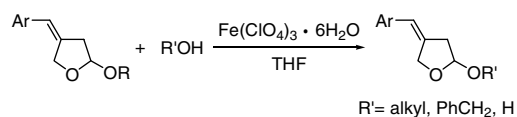
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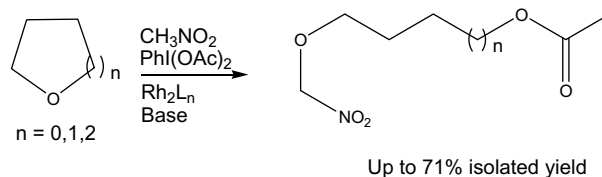
Daisetsu Yamanaka, Sei Matsunaga, Yasufumi Kawamura and Takahiro Hosokawa*



Rhodium(II) catalysed three-component coupling: a novel reaction of in situ generated iodonium ylides

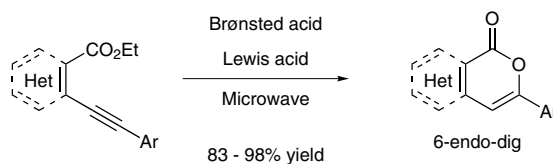
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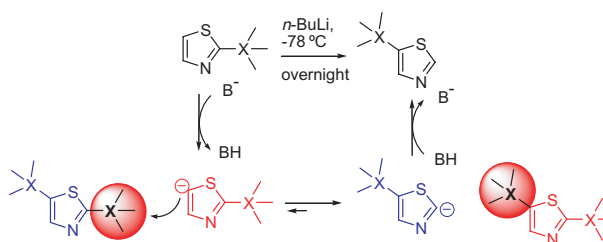
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Malik Hellal, Jean-Jacques Bourguignon and Frédéric J.-J. Bihel*

**Efficient access to 5-substituted thiazoles by a novel metallotropic rearrangement**

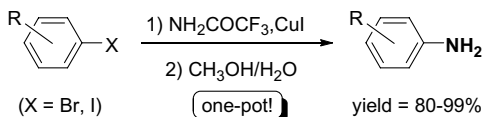
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Alfonso Zambon,* Giuseppe Borsato, Stefania Brussolo, Pietrogiulio Frascella and Vittorio Lucchini

**Copper-catalyzed synthesis of primary arylamines from aryl halides and 2,2,2-trifluoroacetamide**

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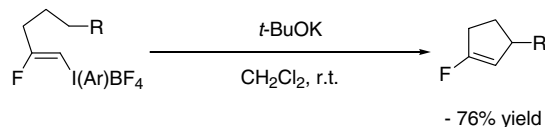
Chuan-Zhou Tao, Juan Li, Yao Fu, Lei Liu* and Qing-Xiang Guo*



An efficient synthesis of fluorocyclopentenes using fluoroalkylidenecarbenes

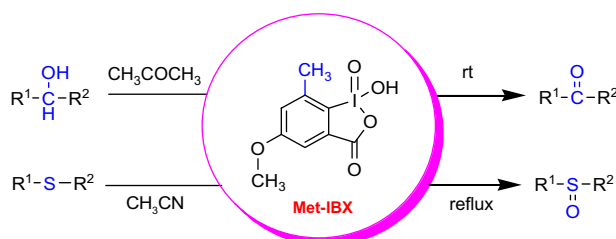
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Tong Guan, Kohei Takemura, Hisanori Senboku, Masanori Yoshida* and Shoji Hara

**Modified *o*-methyl-substituted IBX: room temperature oxidation of alcohols and sulfides in common organic solvents**

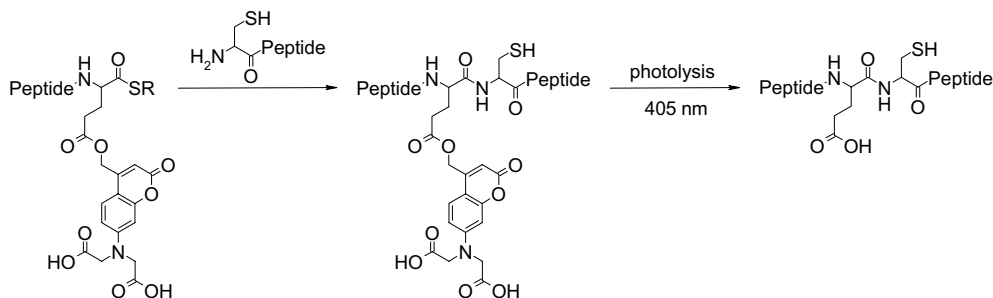
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Jarugu Narasimha Moorthy,* Nidhi Singhal and Kalyan Senapati

**A new photolabile carboxyl protecting group for native chemical ligation**

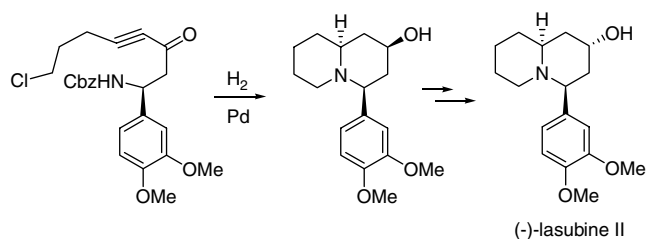
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Benoît Briand,* Nico Kotzur, Volker Hagen and Michael Beyermann

**Synthetic study of (–)-lasubine II via sequential cyclization process**

pp 88–89

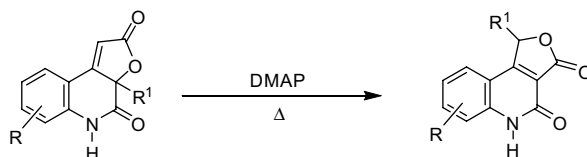
Jaebum Lim and Guncheol Kim*



Rearrangement of furo[2,3-*c*]quinoline-2,4(3*aH*,5*H*)-diones to furo[3,4-*c*]quinoline-3,4(1*H*,5*H*)-diones

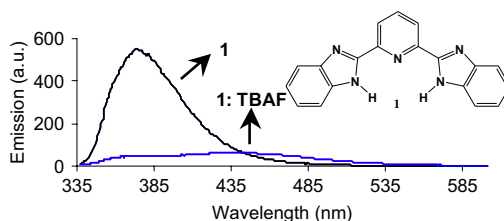
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Stanislav Kafka,* Janez Košmrlj,* Antonín Klásek and Andrej Pevec

**2,6-Bis(2-benzimidazolyl)pyridine as a chemosensor for fluoride ions**

pp 94–97

Bolin Chetia and Parameswar K. Iyer*

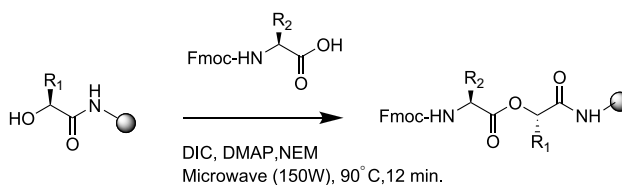


2,6-Bis(2-benzimidazolyl)pyridine is shown to recognize fluoride ions by UV–vis, fluorescence spectroscopy, and ^1H NMR techniques. Anion binding studies using ^1H NMR revealed that this receptor exhibits high selectivity for fluoride over chloride, bromide, and iodide.

**Application of microwave method to the solid phase synthesis of pseudopeptides containing ester bond**

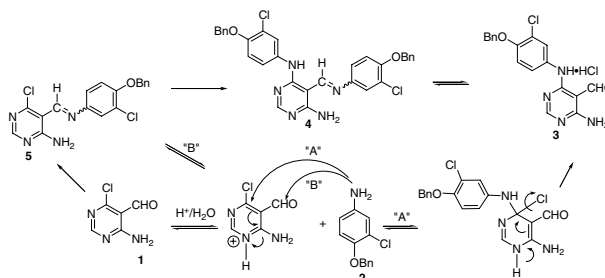
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Bishnu Prasad Joshi, Jun-won Park, Joung-min Kim, Chuda Raj Lohani, Hyeongjin Cho and Keun-Hyeung Lee*

**A chemoselective aniline–chloropyrimidine coupling in a competing electrophilic environment**

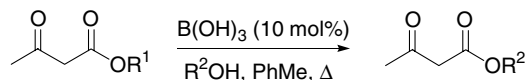
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Anusuya Choudhury,* Hongfeng Chen, Christopher N. Nilsen and Kirk L. Sorgi



Boric acid: an efficient and environmentally benign catalyst for transesterification of ethyl acetoacetate pp 106–109

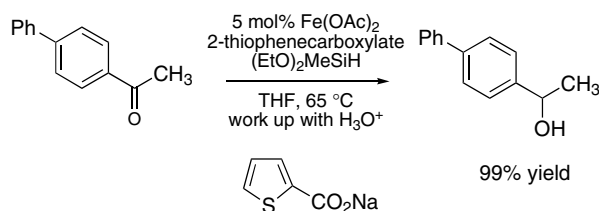
G. C. M. Kondaiah, L. Amarnath Reddy, K. Srihari Babu, V. M. Gurav, K. G. Huge, R. Bandichhor, P. Pratap Reddy, A. Bhattacharya and R. Vijaya Anand*



Boric acid catalyzed efficiently transesterification of ethyl acetoacetate with a variety of primary and secondary alcohols.

Highly efficient catalytic system for hydrosilylation of ketones with iron(II) acetate–thiophenecarboxylate pp 110–113

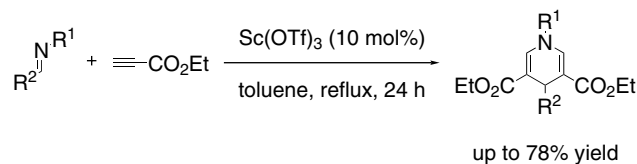
Akihiro Furuta and Hisao Nishiyama*



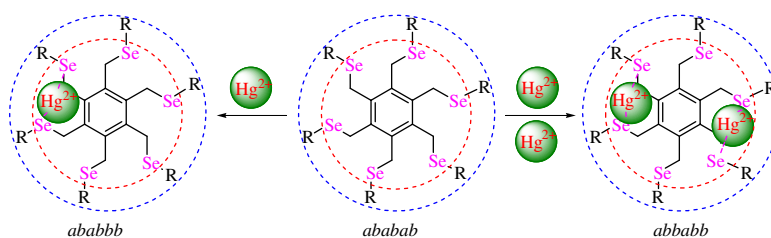
The hydrosilylation of ketones with ferrous acetate and thiophenecarboxylate as catalyst was realized to give the corresponding secondary alcohols in high yields and in high selectivity.

Catalytic synthesis of 1,4-dihydropyridine derivatives using scandium(III) triflate pp 114–116

Satoshi Kikuchi, Masahiro Iwai, Hiroyuki Murayama and Shin-ichi Fukuzawa*

**Sterically encumbered hexakis(alkylseleno)benzenes: conformational behavior of hexakis(iso-propylselenomethyl)benzene toward Hg²⁺ ions on selective recognition** pp 117–121

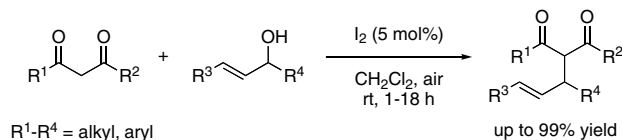
Jai Deo Singh,* Monika Maheshwari, Shabana Khan and Raymond J. Butcher

Syntheses of sterically encumbered hexakis(alkylseleno)benzenes and their functional behavior are described. Preliminary data on ion-sensing properties reveal that these species may act as selective ionophores for Hg²⁺ ions.

Iodine-catalyzed allylation of 1,3-dicarbonyl compounds with allylic alcohols at room temperature

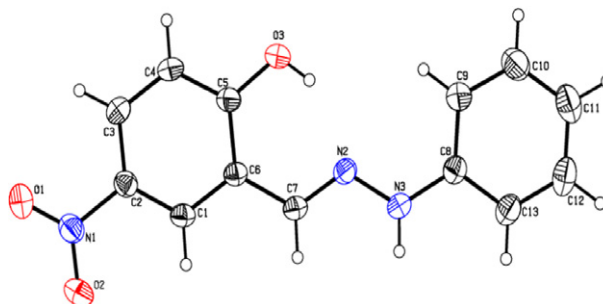
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Weidong Rao, Adeline Hui Ling Tay, Pei Jing Goh, Jessica Mun Ling Choy, Justin Kaijie Ke and Philip Wai Hong Chan*

**Schiff's base phenol–hydrazone derivatives as colorimetric chemosensors for fluoride ions**

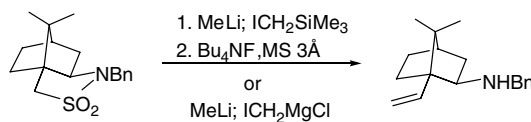
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Duraisamy Saravanakumar, Soosai Devaraj, Subramaniyan Iyyampillai, Kanakaraj Mohandoss and Muthusamy Kandaswamy*

**Desulfurization of sultams with simultaneous methylenation**

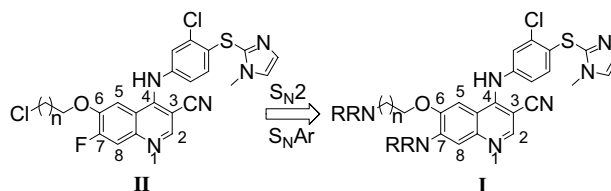
pp 133–136

Victor O. Rogachev, Sandra Merten, Tobias Seiser, Olga Kataeva and Peter Metz*

**Observation of differential reactivity of cyclic amines in S_N2 and S_NAr displacement reactions in the course of synthesizing C-6, C-7 substituted quinolinecarbonitrile MEK1 kinase inhibitors**

pp 137–140

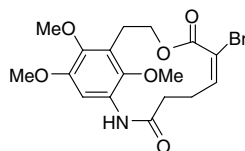
Darrin W. Hopper,* Minu Dutia, Dan M. Berger and Dennis W. Powell



Synthesis of a versatile metacyclophane macrolactam

pp 141–144

Mingwen Wang and Brian S. J. Blagg*

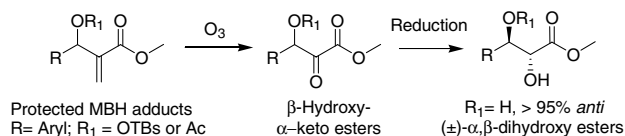


A 14-membered metacyclophane macrolactam has been prepared to serve as a scaffold for elucidation of structure–activity relationships between natural product inhibitors and Hsp90.

Ozonolysis of Morita–Baylis–Hillman adducts originated from aromatic aldehydes: an expeditious diastereoselective approach for the preparation of α,β -dihydroxy-esters

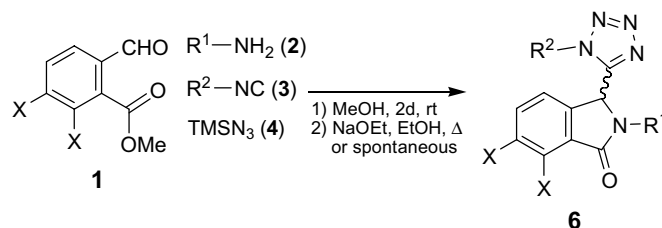
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Carlos A. M. Abella, Patrícia Rezende, Michele F. Lino de Souza and Fernando Coelho*

**Studies on isocyanides: synthesis of tetrazolyl-isoindolinones via tandem Ugi four-component condensation/intramolecular amidation**

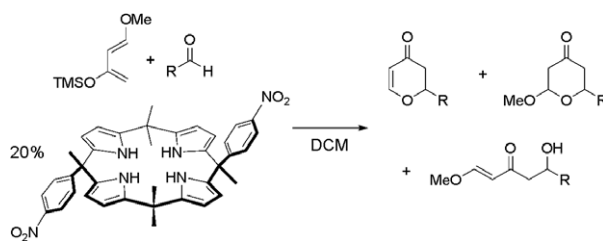
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Carlos F. Marcos, Stefano Marcaccini,* Gloria Menchi, Roberto Pepino and Tomás Torroba

**Efficient organocatalysis with a calix[4]pyrrole derivative**

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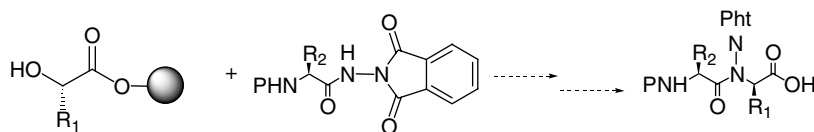
Grazia Cafeo, Margherita De Rosa, Franz H. Kohnke,* Placido Neri, Annunziata Soriente* and Luca Valenti



Solid phase synthesis of *N*-aminodipeptides in high optical purity

pp 156–158

Anne-Sophie Felten, Régis Vanderesse, Nicolas Brosse, Claude Didierjean and Brigitte Jamart-Grégoire*

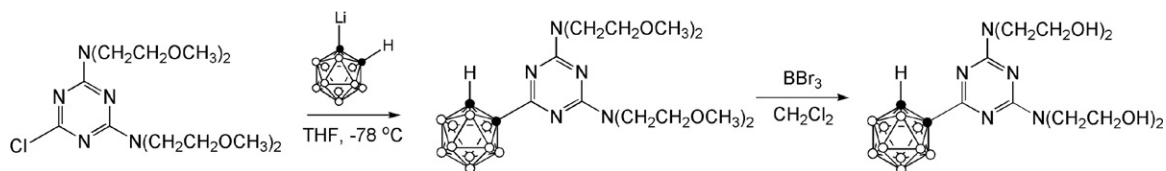


The synthesis of *N*-aminodipeptides on solid support via the Mitsunobu reaction has been achieved using two protocols depending on the reactant (acidic partner or alcohol derivative) linked onto the resin. The procedure which consists in anchoring the alcohol derivative on the solid support appeared to be the more convenient.

**Synthesis and characterization of polar functional group substituted mono- and bis-(*o*-carboranyl)-1,3,5-triazine derivatives**

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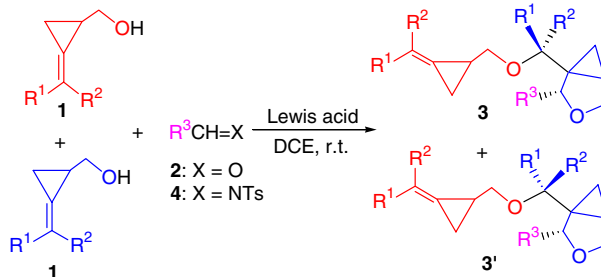
Chai-Ho Lee,* Guo Fan Jin, Ji Ho Yoon, Young Ju Jung, Jong-Dae Lee, Sungdong Cho, Hiroyuki Nakamura and Sang Ook Kang*

**Lewis acid-catalyzed Prins-type reactions of methylenecyclopropylcarbinols with aldehydes and aldimines**

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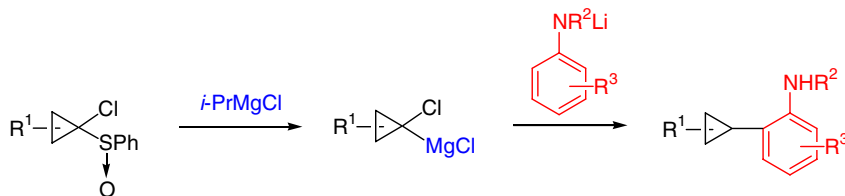
Li-Xiong Shao, Ming-Hui Qi and Min Shi*

Lewis acid-catalyzed Prins-type reactions of methylenecyclopropylcarbinols with aldehydes and *N*-tosyl aldimines proceeded smoothly to give the corresponding 3-oxa-bicyclo[3.1.0] hexane units via 5-*exo* cyclization in good to high total yields (both **3** and **3'** included a pair of diastereoisomers, see the Letter for details).

**The first example of direct cyclopropylation of arylamines at the 2-position with magnesium cyclopropylidenes**

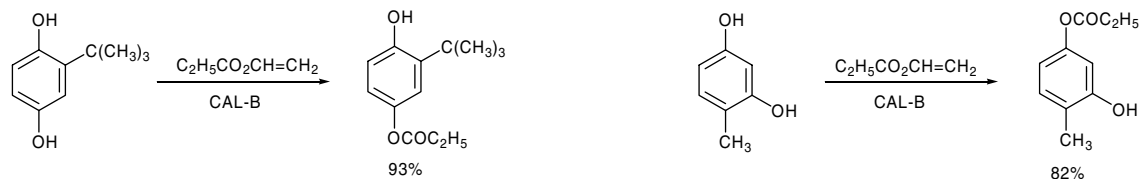
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Yukie Yamada, Mariko Miura and Tsuyoshi Satoh*

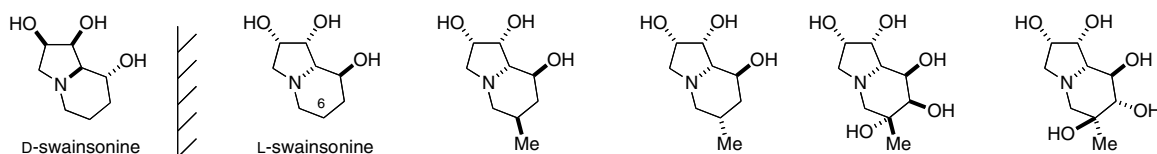


Highly regioselective propanoylation of dihydroxybenzenes mediated by *Candida antarctica* lipase B in organic solvents pp 175–178

Toshifumi Miyazawa,* Manabu Hamada, Ryohei Morimoto, Takashi Murashima and Takashi Yamada

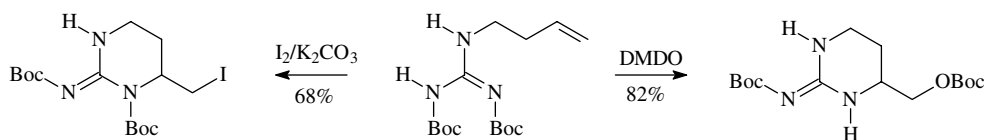
**Synthesis of the naringinase inhibitors L-swainsonine and related 6-C-methyl-L-swainsonine analogues: (6R)-C-methyl-L-swainsonine is a more potent inhibitor of L-rhamnosidase by an order of magnitude than L-swainsonine** pp 179–184

Anders E. Håkansson, Jeroen van Ameijde, Graeme Horne, Robert J. Nash, Mark R. Wormald, Atsushi Kato, Gurdyal S. Besra, Sudagar Gurcha and George W. J. Fleet*

**Cyclisation reactions of bis-protected guanidines**

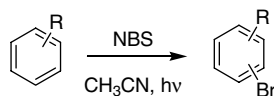
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Christiane Albrecht, Sarah Barnes, Henning Böckemeier, Deiniol Davies, Mark Dennis, Daniel M. Evans, Matthew D. Fletcher, Iestyn Jones, Vera Leitmann, Patrick J. Murphy,* Richard Rowles, Robert Nash, Richard A. Stephenson, Peter N. Horton and Michael B. Hursthouse

**Regioselective, photochemical bromination of aromatic compounds using *N*-bromosuccinimide**

pp 189–194

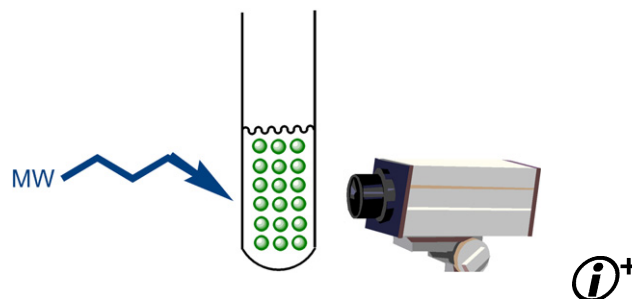
Prakash K. Chhattise, A. V. Ramaswamy and Suresh B. Waghmode*

R = H, OH, OCH₃, NH₂, NMe₂, NHAc, CH₃ and NO₂

Watching microwave-promoted chemistry: reaction monitoring using a digital camera interfaced with a scientific microwave apparatus pp 195–198

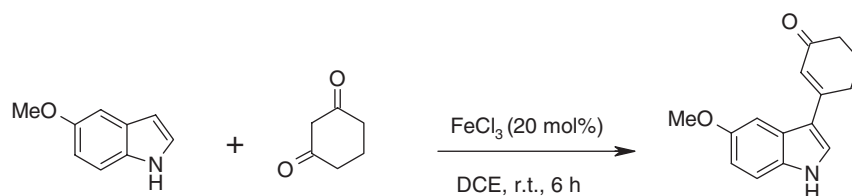
Matthew D. Bowman, Nicholas E. Leadbeater* and T. Michael Barnard

By interfacing a digital camera with a scientific microwave unit it is possible to monitor macroscopic effects as reactions proceed, including color and viscosity changes, evolution of gases, metal-mediated couplings, and arcing.



FeCl₃-catalyzed alkylation of indoles with 1,3-dicarbonyl compounds: an expedient synthesis of 3-substituted indoles pp 199–202

J. S. Yadav,* B. V. Subba Reddy and K. Praneeth



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*Corresponding author

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