

**Tetrahedron Letters Vol. 51, No. 5, 2010**

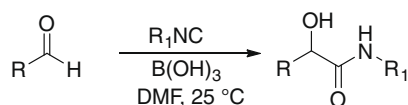
**Contents**

**COMMUNICATIONS**

**An efficient boric acid-mediated preparation of  $\alpha$ -hydroxyamides**

pp 779–782

J. Sravan Kumar, Subash C. Jonnalagadda, Venkatram R. Mereddy \*

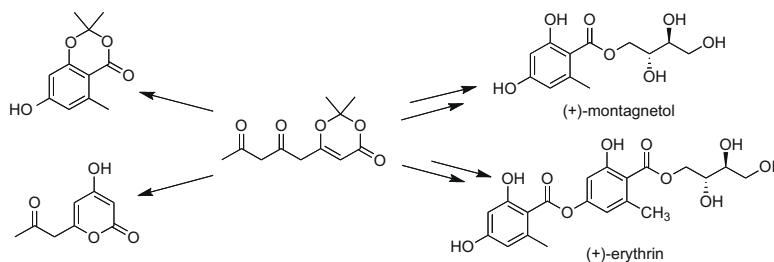


An efficient methodology for the preparation of  $\alpha$ -hydroxyamides via boric acid-mediated addition of isonitriles on to aldehydes has been developed. The reaction of isonitriles with  $\alpha$ -boronobenzaldehyde takes place under intramolecular catalysis conditions to provide functionalized benzoxaboroles.

**Studies on the resorcyates: biomimetic total syntheses of (+)-montagnitol and (+)-erythrin**

pp 783–785

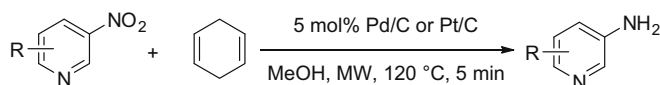
Jean-François Basset, Colin Leslie, Dieter Hamprecht, Andrew J. P. White, Anthony G. M. Barrett \*



**Rapid reduction of heteroaromatic nitro groups using catalytic transfer hydrogenation with microwave heating**

pp 786–789

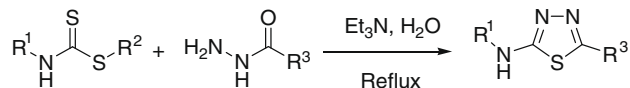
John F. Quinn \*, Cole E. Bryant, Kathryn C. Golden, Brian T. Gregg



Heteroaromatic and aromatic nitro groups are reduced to amines using Pd/C or Pt/C and 1,4-cyclohexadiene. The reaction is heated at 120 °C using microwave irradiation and the reduction is complete within 5 min.

**Dithiocarbamate as an efficient intermediate for the synthesis of 2-amino-1,3,4-thiadiazoles in water**

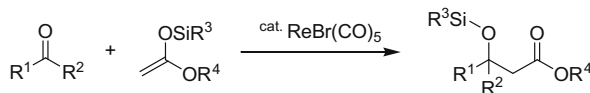
pp 790–792

Fezzeh Aryanasab, Azim Ziyaei Halimehjani<sup>\*</sup>, Mohammad R. Saidi<sup>\*</sup>

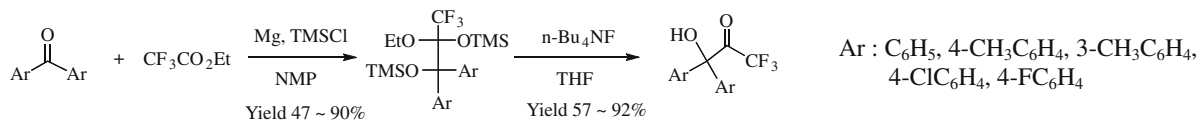
A new and facile protocol for the synthesis of 2-amino-1,3,4-thiadiazoles in moderate to excellent yields is described via reaction of acid hydrazides with dithiocarbamates in water.

**Rhenium-catalyzed reaction of carbonyl compounds with ketene silyl acetals**

pp 793–795

Yutaka Nishiyama<sup>\*</sup>, Kenta Kaiba, Rui Umeda**Mg-promoted C-trifluoroacetylation of benzophenone**

pp 796–799

Hirofumi Maekawa<sup>\*</sup>, Taro Ozaki, Ikuzo Nishiguchi<sup>\*</sup>**Synthesis of bifunctional peptide derivatives based on a β-cyclodextrin core with drug delivery potential**

pp 800–803

Rachel J. White, Paul G. Plieger, David R. K. Harding<sup>\*</sup>

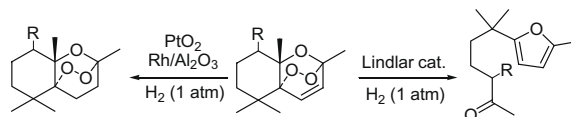
Peptidyl addition to multi-functionalized cyclodextrin using Fmoc SPPS on resin is reported.



**Advances in bridged 1,2,4-trioxane-based chemistry. A divergent approach to oxa-heterocycles based on ambident reactivity**

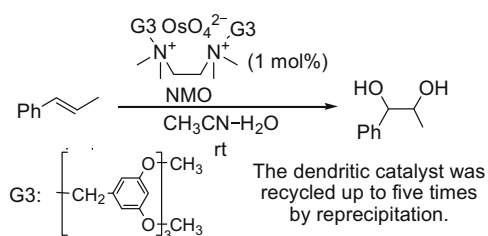
pp 804–807

Martín J. Riveira, Agustina La-Venia, Mirta P. Mischne \*

**Homogeneous dihydroxylation of olefins catalyzed by a recyclable  $O_5O_4^{2-}$  core dendrimer**

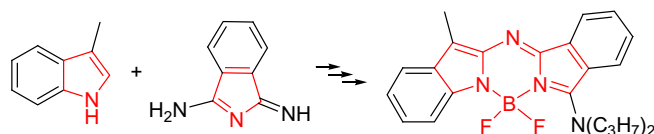
pp 808–810

Ken-ichi Fujita \*, Taku Aino, Teruhisa Tsuchimoto, Hiroyuki Yasuda

**Synthesis of a  $BF_2$  complex of indol-2-yl-isoindol-1-ylidene-amine: a fully conjugated azadipyrrromethene**

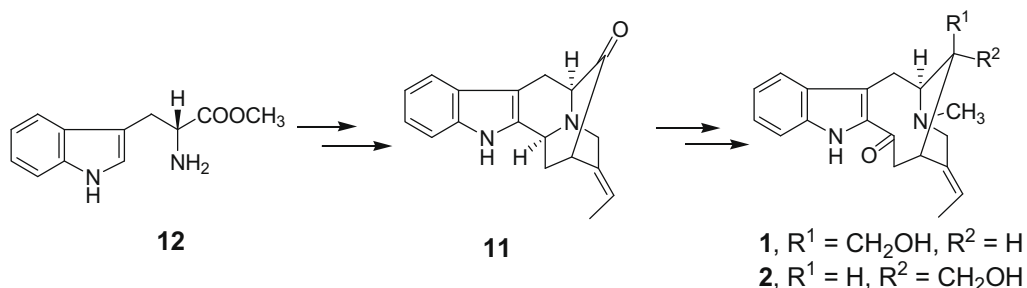
pp 811–814

Yan Li, David Dolphin \*, Brian O. Patrick

**The first enantiospecific total synthesis of the 3-oxygenated sarpagine indole alkaloids affinine and 16-epiaffinine, as well as vobasinediol and 16-epivobasinediol**

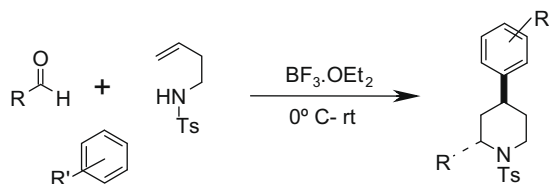
pp 815–817

Jie Yang, Sundari K. Rallapalli, James M. Cook \*

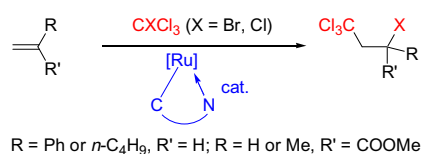


**A novel aza-Prins-Friedel–Crafts reaction for the synthesis of 4-arylpiperidines**

pp 818–821

J. S. Yadav<sup>\*</sup>, B. V. Subba Reddy, K. Ramesh, G. G. K. S. Narayana Kumar, René Grée**Cycloruthenated complexes as homogeneous catalysts for atom-transfer radical additions**

pp 822–825

Ksenia Parkhomenko, Laurent Barloy<sup>\*</sup>, Jean-Baptiste Sortais, Jean-Pierre Djukic, Michel Pfeffer

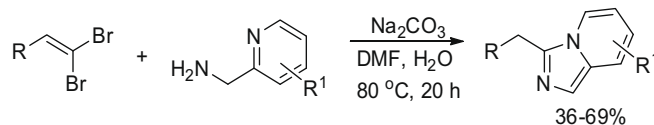
Cycloruthenated complexes catalyse the Kharasch addition of bromotrichloromethane or carbon tetrachloride to alkenes.

**Montmorillonite clay-catalyzed cyclotrimerization and oxidation of aliphatic aldehydes**

pp 826–827

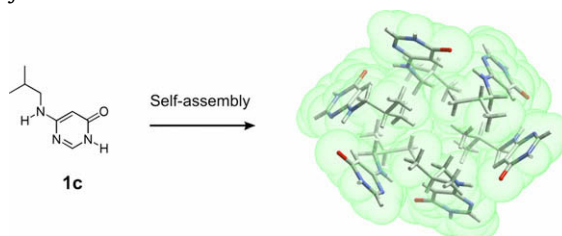
Matthew R. Dintzner<sup>\*</sup>, Yawo A. Mondjinou, Dominic J. Pileggi**Synthesis of imidazo[1,5-*a*]pyridines from 1,1-dibromo-1-alkenes**

pp 828–831

Aimin Zhang, Xiaoling Zheng, Junfa Fan, Wang Shen<sup>\*</sup>A facile synthesis of imidazo[1,5-*a*]pyridines is described. Moderate to good yields are obtained.

**A spherical molecular assembly formed by the interplay of hydrophobic and hydrogen bonding interactions. Formation of a hexameric ball**

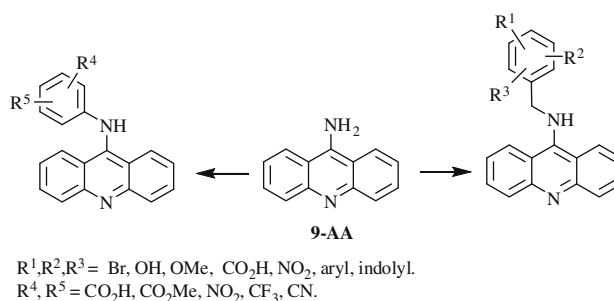
pp 832–835

Kenta Goto <sup>\*</sup>, Yuji Miyahara, Teruo Shinmyozu

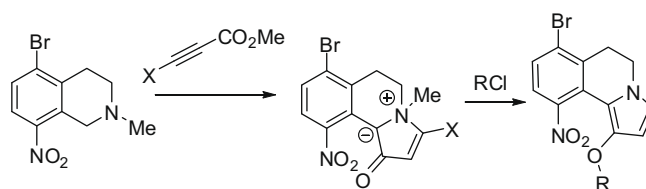
A six-membered ball-like supramolecular structure of **1c** was obtained by the interplay of hydrophobic and hydrogen bonding interactions. Preferred H-bonding connectivity and the proximate side-chain groups in a hydrophobic core stabilized to form the ball structure as revealed by making a comparison with the linear tape structure in the crystal polymorph of **1c**.


**One-pot derivatization of medicinally important 9-aminoacridines by reductive amination and S<sub>N</sub>Ar reaction**

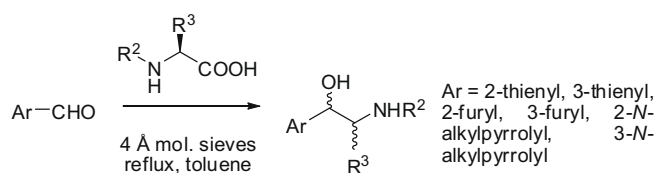
pp 836–839

Gary Gellerman <sup>\*</sup>, Vladimir Gaisin, Tamara Brider
**A new approach towards the synthesis of pyrrolo[2,1-*a*]isoquinolines**

pp 840–842

Leonid G. Voskressensky <sup>\*</sup>, Anna V. Listratova, Alexander V. Bolshov, Oksana V. Bizhko, Tatiana N. Borisova, Alexey V. Varlamov
**A new, one-step synthesis of 1-heteroaryl-2-alkylaminoethanols**

pp 843–845

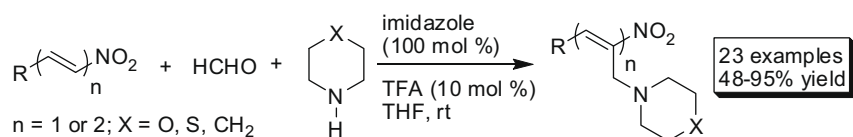
Fuqiang Ning, Rosaleen J. Anderson, David E. Hibbs, Paul W. Groundwater <sup>\*</sup>

Refluxing heteroaryl-2-carboxaldehydes and an *N*-alkylamino acid, in dry toluene in the presence of 4 Å molecular sieves, results in the formation of β-hydroxyamines.

**One-pot three component  $\alpha$ -aminoalkylation of conjugated nitroalkenes and nitrodienes**

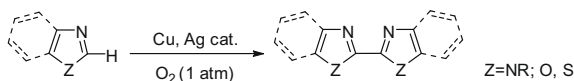
pp 846–849

Kunjanpillai Rajesh, Pramod Shanbhag, Manjoji Raghavendra, Pallavi Bhardwaj, Irishi N. N. Namboothiri \*

**Oxidative dimerization of azoles via copper(II)/silver(I)-catalyzed CH homocoupling**

pp 850–852

Daiki Monguchi, Akira Yamamura, Taiki Fujiwara, Takashi Somete, Atsunori Mori \*

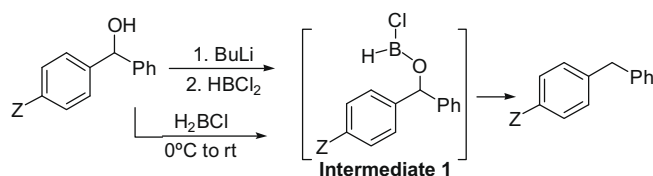


When several azole derivatives such as imidazole, thiazole, and oxazole are treated with a catalyst system of copper(II)/silver(I) under oxygen atmosphere, oxidative dimerization at the CH bond of the 2-position takes place to afford the corresponding bisazoles up to 86% yield.

**Deoxygenation of benzylic alcohols using chloroboranes**

pp 853–855

Min-Liang Yao, Adam B. Pippin, George W. Kabalka \*

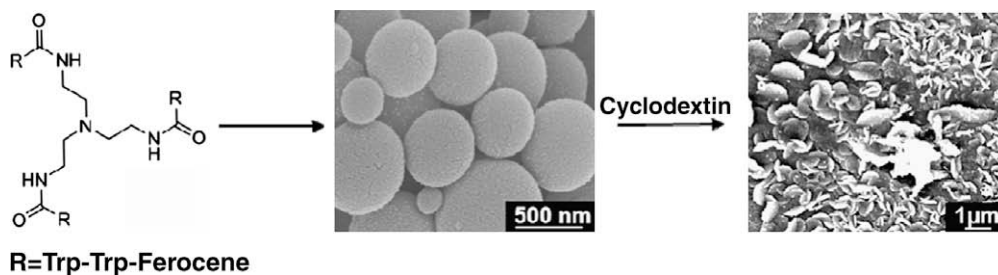


New boron-based methods for deoxygenating benzylic alcohols via the corresponding alkoxyboranes are reported.

**Synthesis and ultrastructural characterization of ferrocenylated soft structures**

pp 856–859

Sudipta Mondal, Surajit Ghosh, Sandeep Verma \*



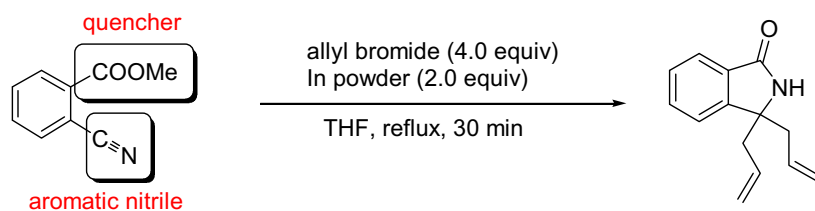
A C<sub>3</sub>-symmetric ferrocenylated ditryptophan construct is synthesized and its morphology and interaction with cyclodextrins studied.



**Facile synthesis of 3,3-diallyl isoindolones via a indium-mediated double allylation of *ortho*-cyanobenzoates**

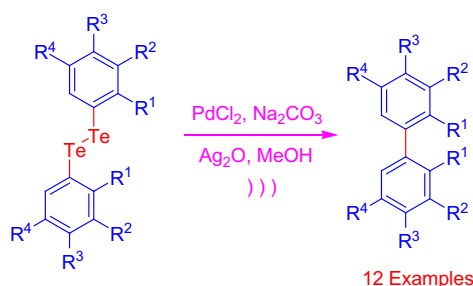
pp 860–862

Sung Hwan Kim, Se Hee Kim, Ko Hoon Kim, Jae Nyoung Kim \*

**Ultrasound-assisted synthesis of symmetrical biaryls by palladium-catalyzed detelluration of 1,2-diarylditellanes**

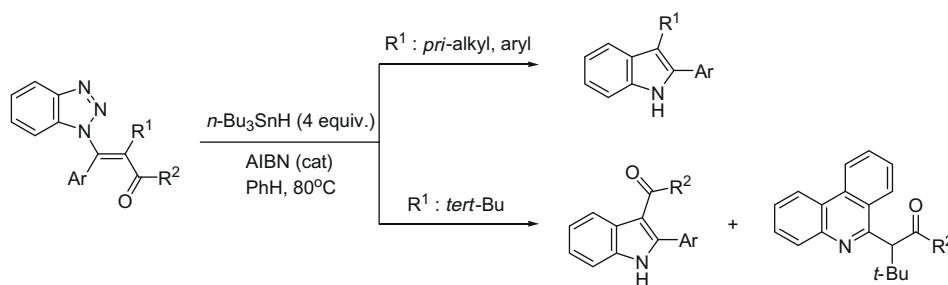
pp 863–867

Fateh V. Singh, Hélio A. Stefani \*

**Practical method for synthesis of 2,3-disubstituted indole derivatives promoted by  $\beta$ -(benzotriazol-1-yl)allylic *O*-stannyl ketyl radicals**

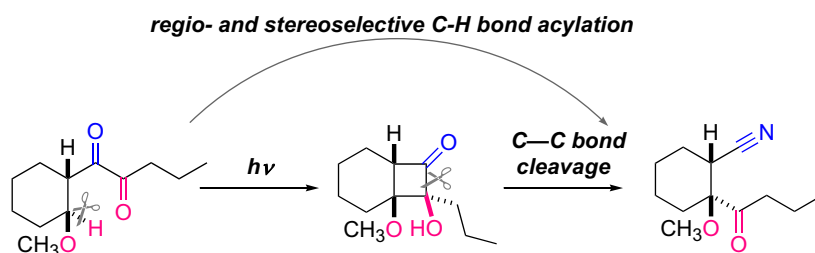
pp 868–871

Taehoon Kim \*, Kyongtae Kim

**Regio- and stereoselective acylation of saturated carbocycles via Norrish–Yang photocyclization**

pp 872–874

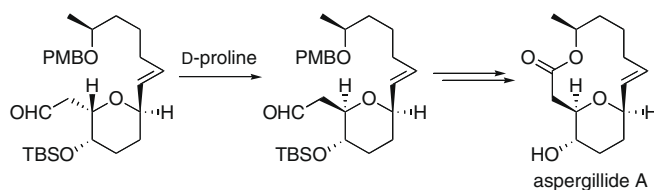
Shin Kamijo, Tamaki Hoshikawa, Masayuki Inoue \*



**Synthesis of aspergillide A from a synthetic intermediate of aspergillide B**

pp 875–877

Tomohiro Nagasawa, Shigefumi Kuwahara \*



\*Corresponding author

i\* Supplementary data available via ScienceDirect

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®



ELSEVIER

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

ScienceDirect

ISSN 0040-4039