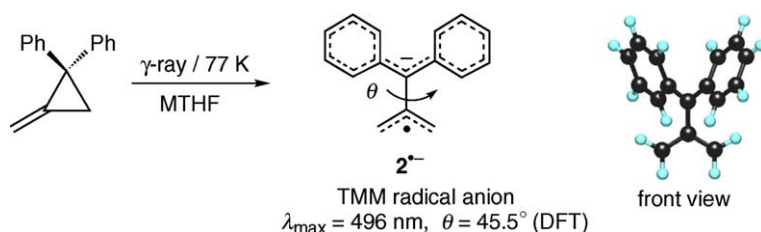


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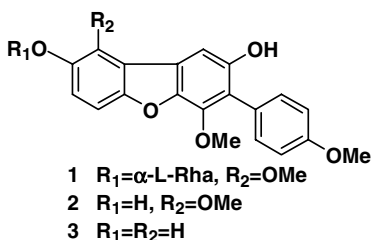
Hiroshi Ikeda,* Hayato Namai, Nobuyuki Kato and Teruyo Ikeda



Kehokorins A–C, novel cytotoxic dibenzofurans isolated from the myxomycete *Trichia favoginea* var. *persimilis*

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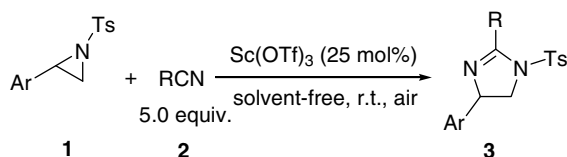
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Sc(OTf)₃-Catalyzed [3+2]-cycloaddition of aziridines with nitriles under solvent-free conditions

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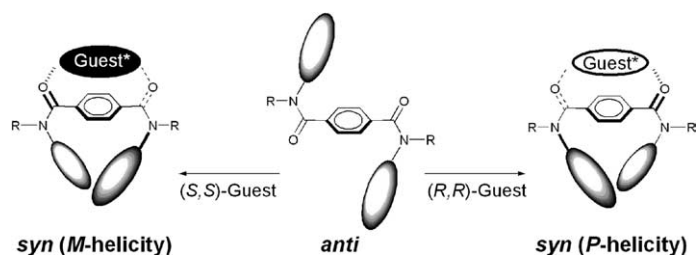
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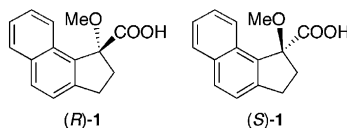
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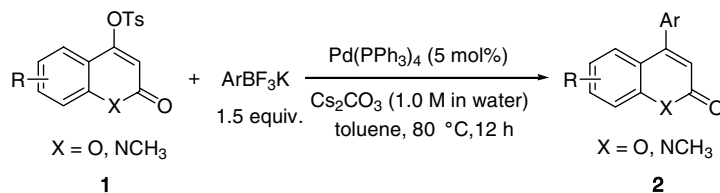
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Palladium-catalyzed Suzuki–Miyaura couplings of potassium aryl trifluoroborates with 4-tosyloxycoumarins or 4-tosyloxyquinolin-2(1H)-one

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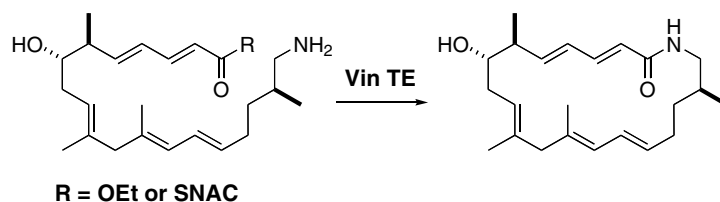
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Macrolactam formation catalyzed by the thioesterase domain of vicenistatin polyketide synthase

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Fumitaka Kudo, Takashi Kitayama, Katsumi Kakinuma and Tadashi Eguchi*

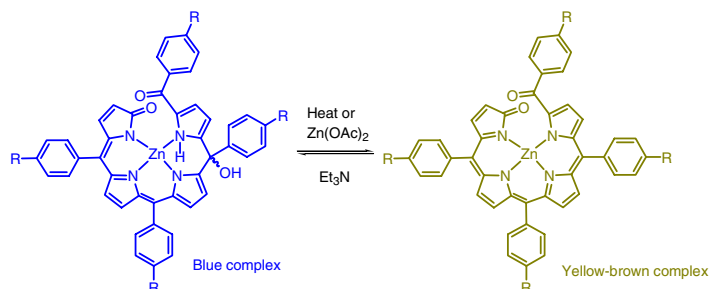


Thermochromic and solvatochromic zinc biladienones: dynamic equilibria of a metal complex having a flexible framework sensitive to environment

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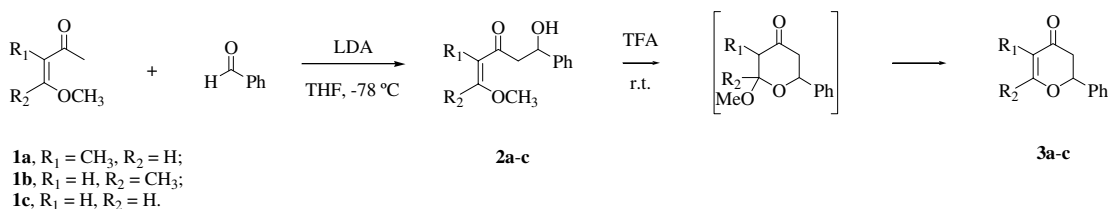
Kojiro Kita, Taiyo Tokuoka, Eriko Monno, Shigeyuki Yagi, Hiroyuki Nakazumi and Tadashi Mizutani*

Acid and base can be used to drive equilibrium between blue and yellow-brown zinc biladienones. Thermal transformation was also possible, where the rate was concentration dependent.


A convenient and versatile approach to 2,3-dihydro-4H-pyran-4-ones via tandem aldol reaction-conjugate addition

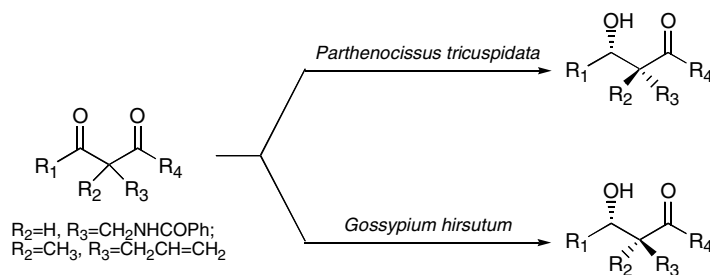
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Bo Gao, Zhipeng Yu, Zhengyan Fu and Xiaoming Feng*


Diastereoselective reduction of β-keto carbonyl compounds by cultured plant cells

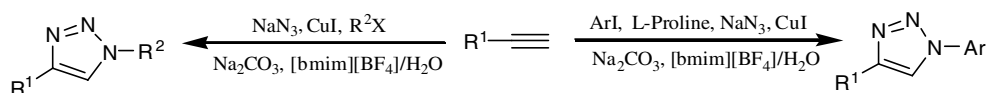
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Kei Shimoda, Naoji Kubota, Hatsuyuki Hamada and Hiroki Hamada*


Efficient synthesis of 1,4-disubstituted 1,2,3-triazoles in ionic liquid/water system

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Ya-Bin Zhao, Ze-Yi Yan and Yong-Min Liang*

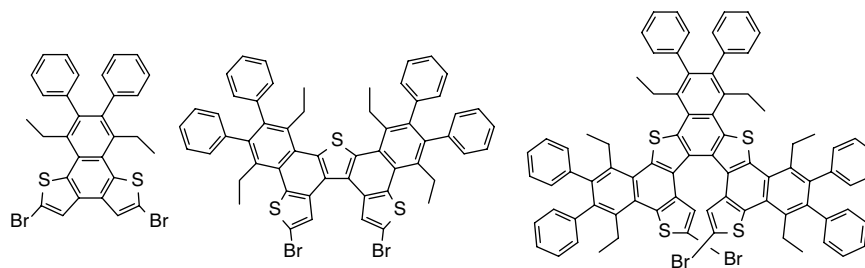


A copper(I) catalyst in a mixture of the ionic liquid [bmim][BF₄] and water can effect a three-component reaction of halides, sodium azide and alkynes to form 1,4-disubstituted 1,2,3-triazoles in good to high yields.

Helical polycyclic aromatics containing thiophenes: synthesis and properties

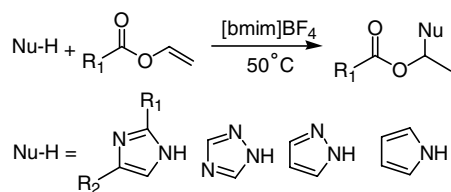
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Jian Pei,* Wen-Yu Zhang, Jing Mao and Xing-Hua Zhou

**A novel and highly efficient protocol for Markovnikov's addition using ionic liquid as catalytic green solvent**

pp 1555–1558

Jian-Ming Xu, Wei-Bo Wu, Chao Qian, Bo-Kai Liu and Xian-Fu Lin*

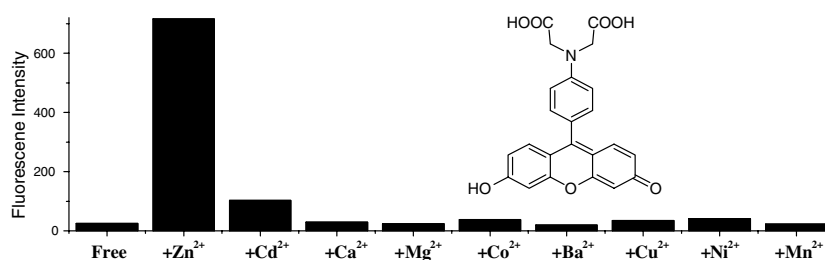


A novel and highly efficient protocol for Markovnikov's addition using ionic liquid as catalytic green solvent is described.

**Novel highly selective fluorescent chemosensors for Zn(II)**

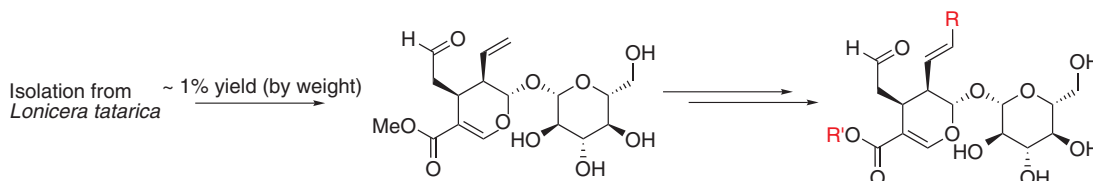
pp 1559–1562

Xiang-Ming Meng, Man-Zhou Zhu, Lei Liu* and Qing-Xiang Guo*

**Semi-synthesis of secologanin analogues**

pp 1563–1565

M. Carmen Galan and Sarah E. O'Connor*

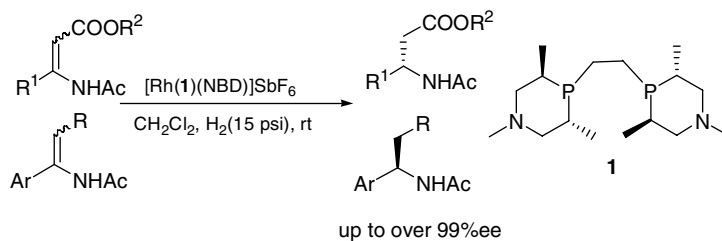


The iridoid natural product secologanin was isolated in good yield from *Lonicera tatarica* and subjected to a series of semi-synthetic reactions in which the ester and vinyl moieties were modified. Secologanin is a key substrate in the terpene indole alkaloid biosynthetic pathway and these derivatives will be used to probe the substrate specificity of the enzymes that comprise this pathway.

Six-membered bis(azaphosphorinane), readily available ligand for highly enantioselective asymmetric hydrogenations

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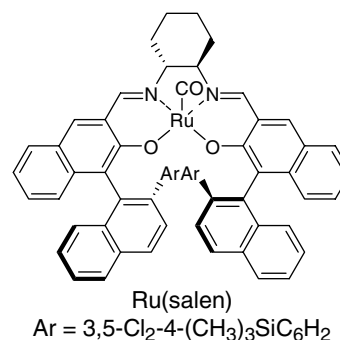
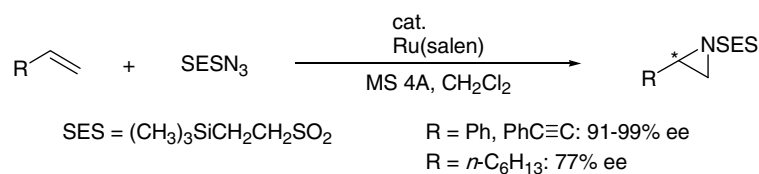
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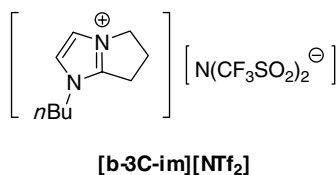
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1-Butyl-2,3-trimethyleneimidazolium bis(trifluoromethylsulfonyl)imide ([b-3C-im][NTf₂): a new, stable ionic liquid

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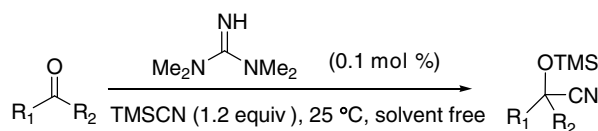
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Catalytic cyanosilylation of ketones using organic catalyst 1,1,3,3-tetramethylguanidine

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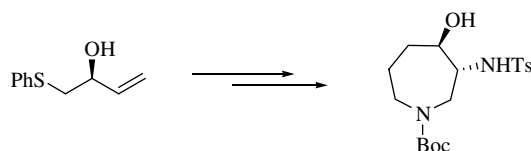
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A stereoselective synthesis of the hexahydroazepine core of (–)-balanol

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Sadagopan Raghavan* and Ch. Naveen Kumar

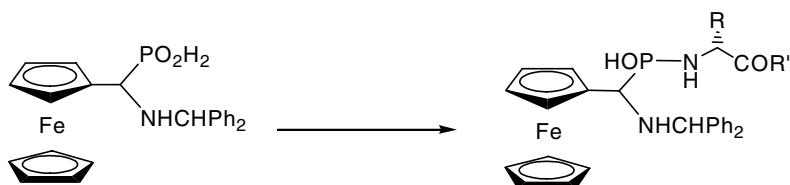


A concise and stereoselective synthesis of (–)-balanol is disclosed.

Synthesis of the first pseudo-phosphonopeptides derived from (ferrocenyl)aminomethanephosphonous acids

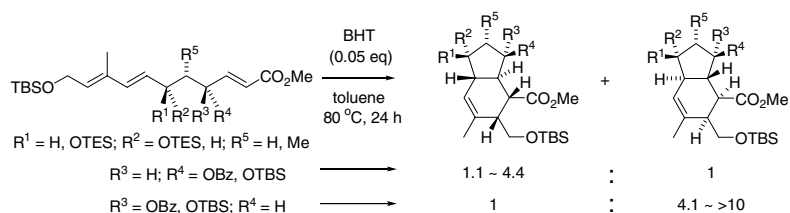
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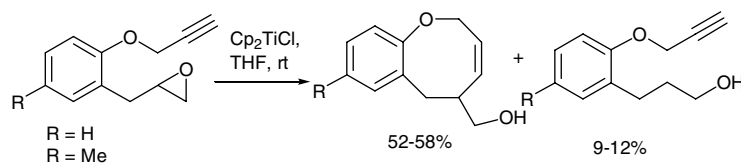
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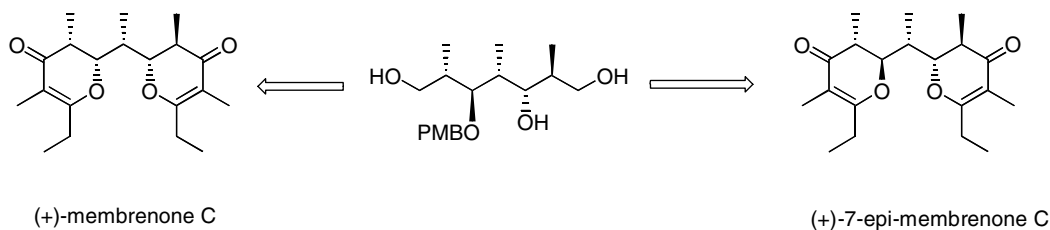
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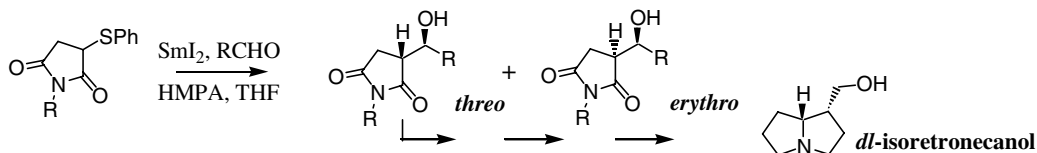
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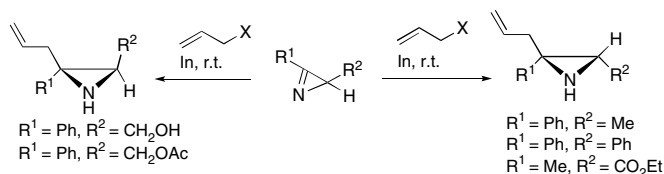
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Stereoselective allylation of azirines with allylindium reagents

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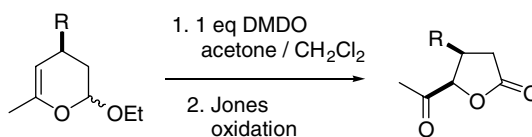
Tsunehisa Hirashita, Shinya Toumatsu, Yuri Imagawa, Shuki Araki* and Jun-ichiro Setsune



Oxidative rearrangement of 2-alkoxy-3,4-dihydro-2H-pyrans: stereocontrolled synthesis of 4,5-cis-disubstituted tetrahydrofuranones

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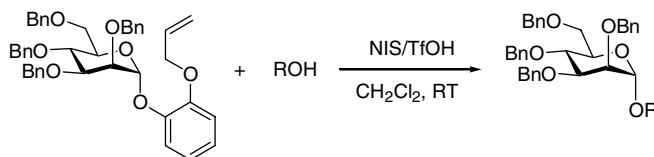
Alan Armstrong* and Hunsuk Chung



2-Allyloxyphenyl glycoside as a new and stable type of glycosyl donors

pp 1621–1624

Jinq-Chyi Lee, Guan-Rong Pan, Suvarn S. Kulkarni, Shun-Yuan Luo, Chun-Chen Liao and Shang-Cheng Hung*

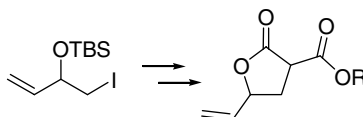


A high-yielding coupling of a new and stable type of glycosyl donors, namely 2-allyloxyphenyl glycoside, with a variety of alcohols via NIS/TfOH reagent combination as effective activators at room temperature is described here.

**Synthesis of methyl 2-oxo-5-vinyl-2,5-tetrahydrofuran-3-carboxylate**

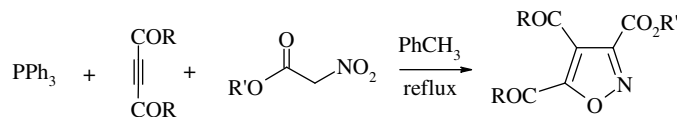
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Maximilian A. Silvestri, Chang He, Anita Khoram and Salvatore D. Lepore*

**A synthesis of isoxazoles through the reaction of activated acetylenes and alkyl 2-nitroethanoates in the presence of triphenylphosphine**

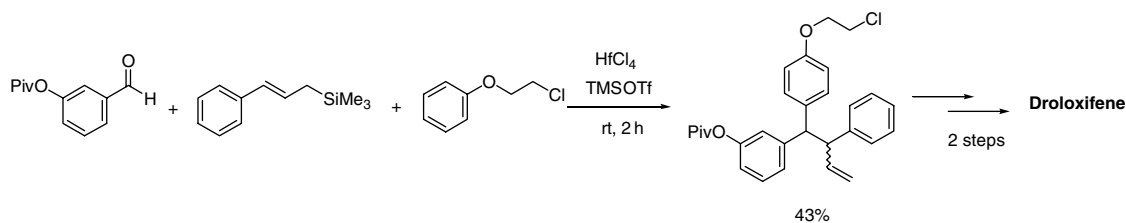
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Issa Yavari* and Loghman Moradi

**Short-step synthesis of droloxifene via the three-component coupling reaction among aromatic aldehyde, cinnamyltrimethylsilane, and β-chlorophenetole**

pp 1631–1635

Yoshiyuki Sano and Isamu Shiina*

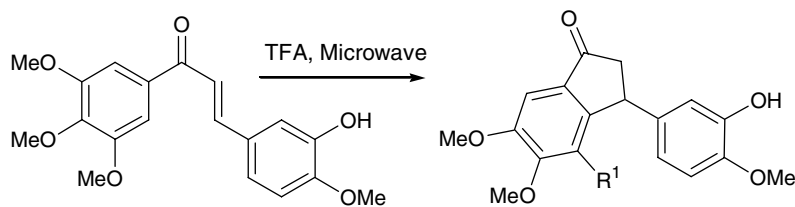


A short-step route for the preparation of droloxifene has been established via the novel three-component coupling reaction, the successive installation of the side-chain part, and the base-induced migration of the double bond.

The synthesis of indanones related to combretastatin A-4 via microwave-assisted Nazarov cyclization of chalcones

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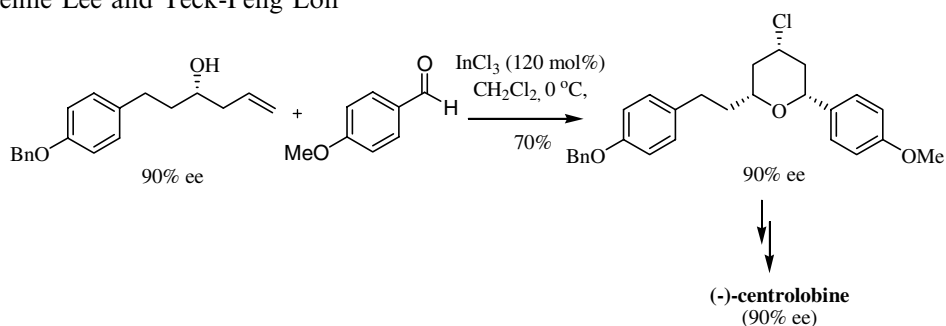
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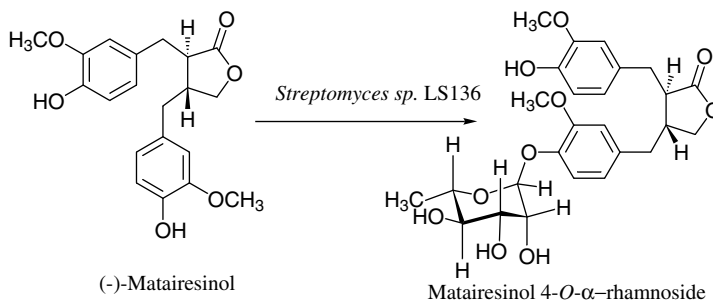
Cheng-Hsia Angeline Lee and Teck-Peng Loh*



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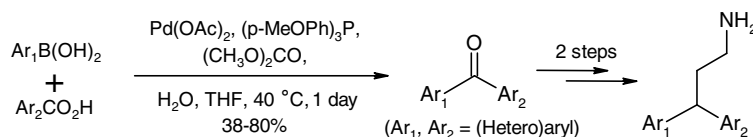
Patrik Eklund,* Toni Holmström, Lamis Al-Ubaydy, Rainer Sjöholm and Juha Hakala



A short synthesis of 3,3-di(hetero)arylpropylamines obtained from bis-(hetero)aryl ketones via palladium catalysis

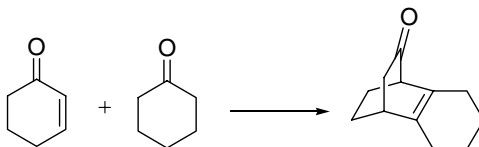
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Domnic Martyres* and Frank Schmiedt



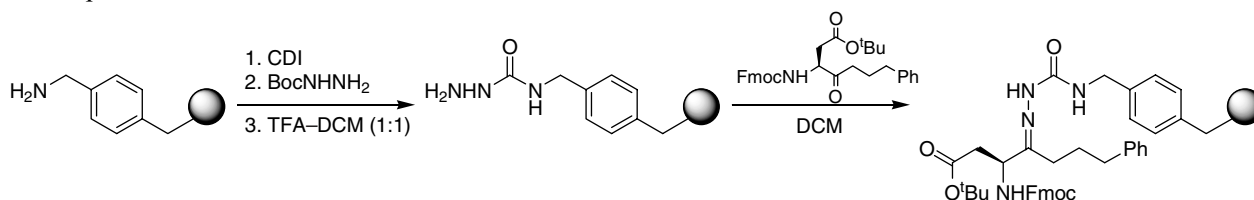
An acid-catalyzed Michael–aldol reaction

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I. David Reingold,* Charles Bowerman, Melissa John, Robert S. Walters, Jr.,
Bevin C. Daglen, Anna M. Butterfield and Milan Gembický**A convenient semicarbazide resin for the solid-phase synthesis of peptide ketones and aldehydes**

pp 1657–1661

Jesús Vázquez and Fernando Albericio*

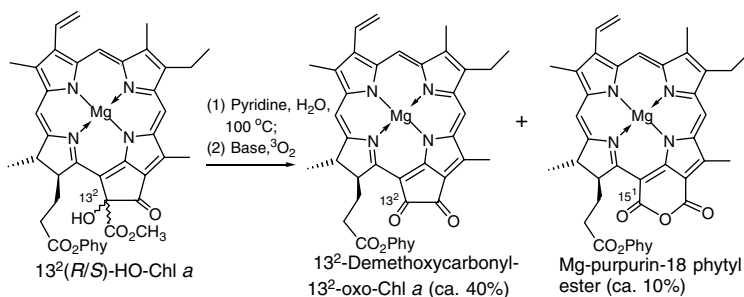


Use of a semicarbazide resin for the solid-phase preparation of peptide ketones and aldehydes led to optimal results in terms of both purity of the final product and overall yield. The resin was prepared without complication by activation of the commercially available aminomethyl polystyrene with CDI at room temperature, followed by treatment with *tert*-butyl carbazate. Furthermore, the TNBSA colorimetric assay has been adapted for checking the incorporation of the carbonyl moiety onto hydrazine-based resins.

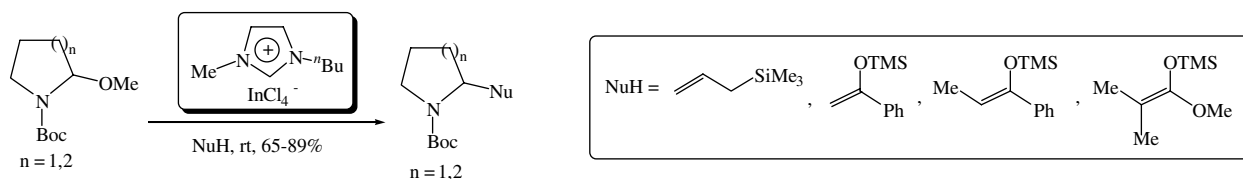
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Paavo H. Hynninen,* Tuomo S. Leppäkaskes and Markku Mesilaakso

**Addition of activated olefins to cyclic *N*-acyliminium ions in ionic liquids**

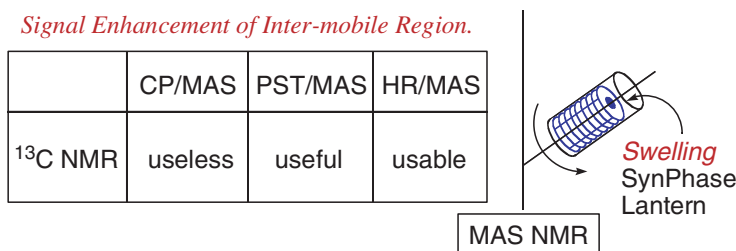
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Ronaldo Aloise Pilli,* Luís Gustavo Robello, Nilton Soares Camilo, Jairton Dupont,
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Quality control of solid-phase synthesis: ^{13}C PST/MAS NMR analysis on non-destroyed SynPhase lantern

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Takayoshi Arai,* Akitsugu Fujiwara, Masahiko Watanabe, Naota Yokoyama, Teruaki Fujito, Kenzo Deguchi and Akira Yanagisawa

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COVER

A reasonably designed Ru(salen)(CO) complex catalyzes highly enantioselective aziridination of olefins using 2-(trimethylsilyl)ethanesulfonyl (SES) azide as a nitrene precursor to give the corresponding aziridines. It has been reported by Komatsu et al. that *N*-SES group can be removed without racemization. *Tetrahedron Letters* **2006**, *47*, 1571–1574.

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