

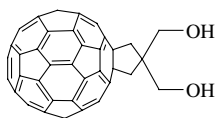
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COMMUNICATIONS

[60]Fullerene diol issued from pentaerythritol derivatives

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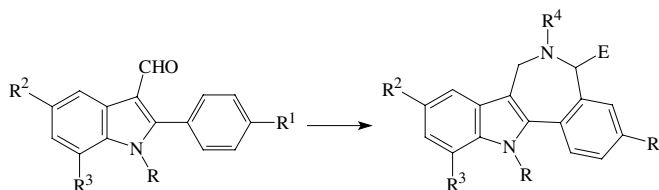
Stéphanie Chopin, Jacques Delaunay and Jack Cousseau*



Synthesis of benz[5,6]azepino[4,3-*b*]indoles by 1,7-electrocyclisation of azomethine ylides

pp 377–380

Miklós Nyerges,* Áron Pintér, Andrea Virányi, István Bitter and László Tőke

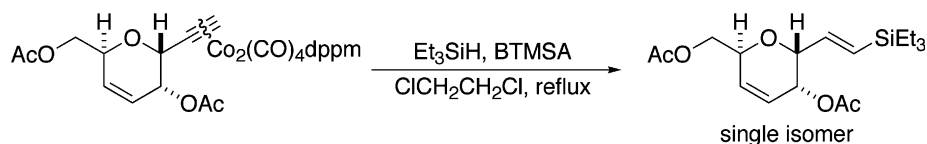


A new, general route to the benz[5,6]azepino[4,3-*b*]indole ring system has been developed via the 1,7-dipolar electrocycloislation reactions of azomethine ylides.

Regioselective hydrosilylation of terminal acetylenes via acetylene- $\text{Co}_2(\text{CO})_4\text{dppm}$ complex: effects of the ligands in acetylenedicobalt complex

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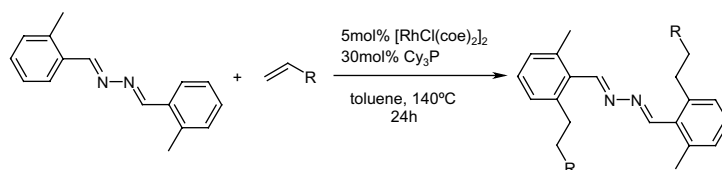
Shingo Tojo and Minoru Isobe*



Rhodium-catalyzed alkylation of aromatic azines with alkenes via C–H bond activation

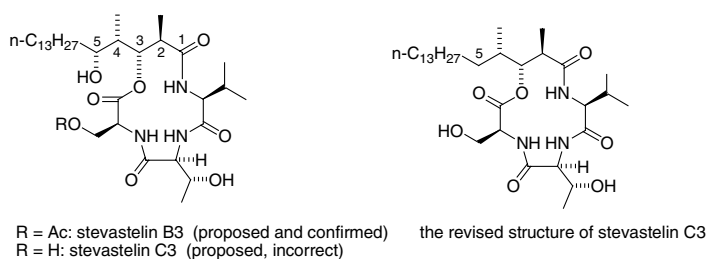
pp 385–388

Yeong-Gweon Lim* and Bon Tak Koo

**Total synthesis of stevastelins B3 and C3: structure confirmation of stevastelin B3 and revision of stevastelin C3**

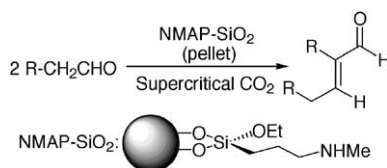
pp 389–392

Kazuo Kurosawa, Keigo Matsuura and Noritaka Chida*

**Self-aldol condensation of unmodified aldehyde in supercritical carbon dioxide catalyzed by amine grafted on silica**

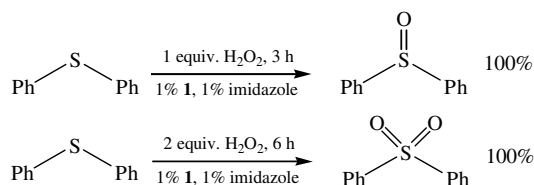
pp 393–395

Hisahiro Hagiwara,* Jun Hamaya, Takashi Hoshi and Chiaki Yokoyama*

**Highly efficient utilization of H₂O₂ for oxygenation of organic sulfides catalyzed by $[\gamma\text{-SiW}_{10}\text{O}_{34}(\text{H}_2\text{O})_2]^{4-}$**

pp 397–400

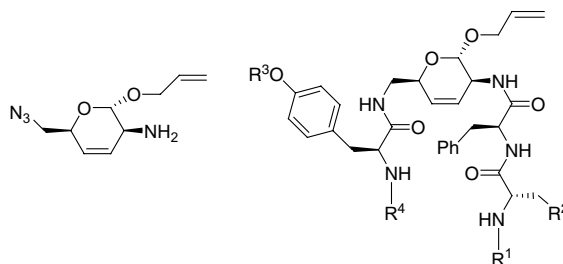
Tuan D. Phan, Mark A. Kinch, Julia E. Barker and Tong Ren*



The Overman rearrangement in carbohydrate chemistry: stereoselective synthesis of functionalized 3-amino-3,6-dihydro-2H-pyrans and incorporation in peptide derivatives

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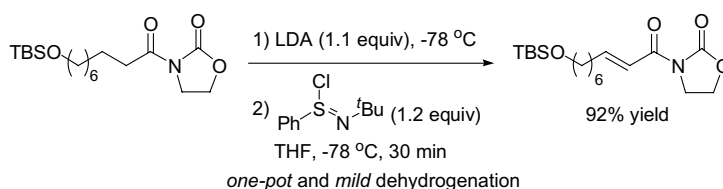
Ana Montero, Enrique Mann and Bernardo Herradón*



One-pot dehydrogenation of carboxylic acid derivatives to α,β -unsaturated carbonyl compounds under mild conditions

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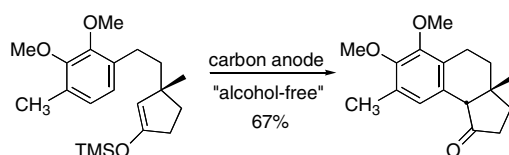
Jun-ichi Matsuo* and Yayoi Aizawa



Synthesis of the hamigeran skeleton through an electro-oxidative coupling reaction

pp 411–414

Jeffrey B. Sperry and Dennis L. Wright*

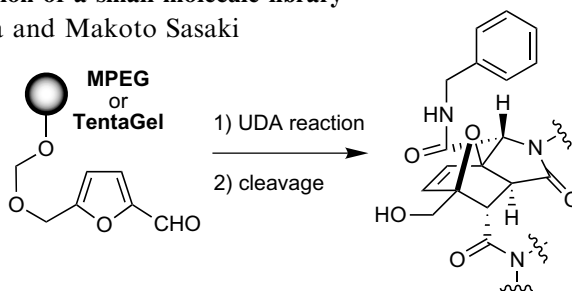


The tricyclic skeleton of the hamigerans has been prepared through an anodic coupling under alcohol-free conditions.

Parallel synthesis of tandem Ugi/Diels–Alder reaction products on a soluble polymer support directed toward split-pool realization of a small molecule library

pp 415–418

Masato Oikawa,* Minoru Ikoma and Makoto Sasaki

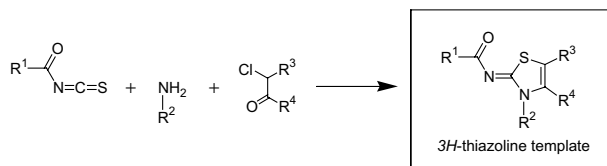


A hundred reactions were demonstrated on the soluble MPEG–O–CH₂–platform. The reaction can be also effected on insoluble TentaGel resin using the same linker.

2-Acylimino-3-alkyl-3*H*-thiazoline derivatives: one-pot, three-component condensation synthesis of novel β -turn mimics

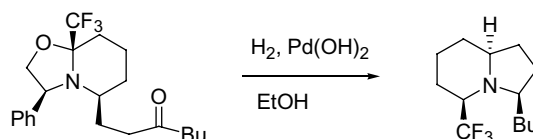
pp 419–422

Akira Manaka,* Takaaki Ishii, Keiko Takahashi and Masakazu Sato


Hydrogenation condition for sequential processes to (+)-trifluoromethyl monomorine

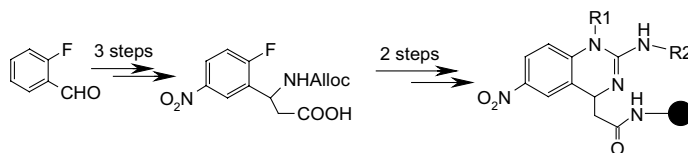
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Guncheol Kim* and Nakjeong Kim


Facile solid phase synthesis of 1,2-disubstituted-6-nitro-1,4-dihydroquinazolines using a tetrafunctional scaffold

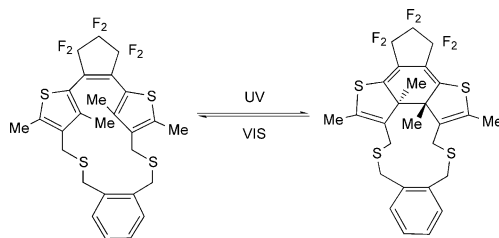
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Xiaobing Wang, Aimin Song, Seth Dixon, Mark J. Kurth and Kit S. Lam*


Synthesis and photochromic properties of a dithia-dithienylethenophane

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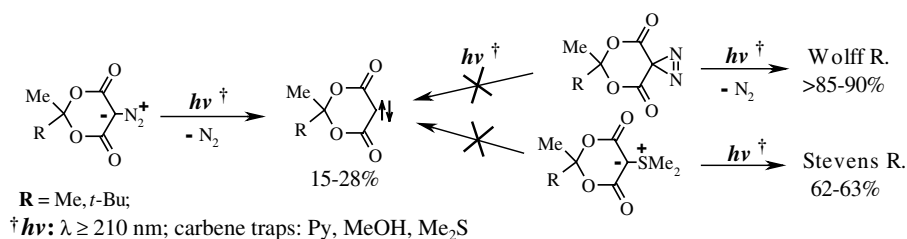
Mohammed Kamrul Hossain, Michinori Takeshita* and Takehiko Yamato



Search for dioxocarbenes in photochemical reactions of 5-diazo-4,6-dioxo-1,3-dioxanes, associated diazirines, and *S*-ylides

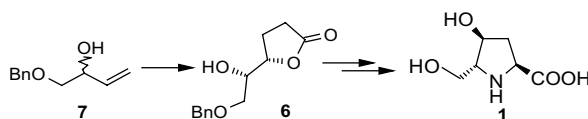
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V. V. Shevchenko, N. N. Khimich, M. S. Platz and V. A. Nikolaev*


An efficient stereoselective synthesis of (2*S*,4*S*,5*R*)-(–)- and (2*R*,4*R*,5*S*)-(+)-bulgecinine

pp 439–441

Subhash P. Chavan,* Cherukupally Praveen, Pallavi Sharma and U. R. Kalkote

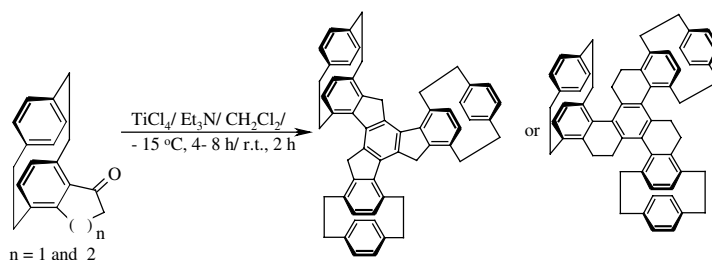


A short synthetic route to (–)- and (+)-bulgecinine, the amino acid moiety of the bulgecins was achieved from the readily available nonchiral pool starting material *cis*-2-butene-1,4-diol employing a Claisen orthoester rearrangement and Sharpless asymmetric dihydroxylation as the key steps.

Triple self-condensation of fused cycloalkanonylparacyclophanes promoted by titanium tetrachloride and triethylamine

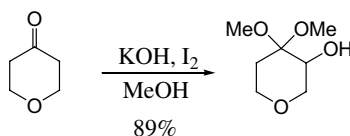
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Ashraf A. Aly*


α-Hydroxylation of carbonyls using iodine

pp 447–450

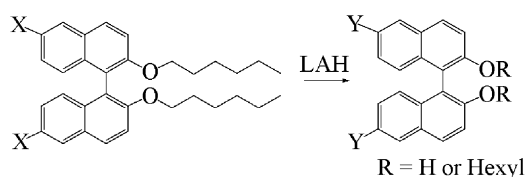
Michael J. Zacuto* and Dongwei Cai



LAH aryl alkyl ether cleavage of BINOL derivatives

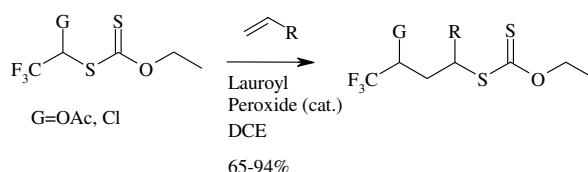
pp 451–453

Walter E. Kowtoniuk and Darren K. MacFarland*

**A direct approach to α -hydroxy and α -chloro trifluoromethyl derivatives**

pp 455–459

Lucie Tournier and Samir Z. Zard*

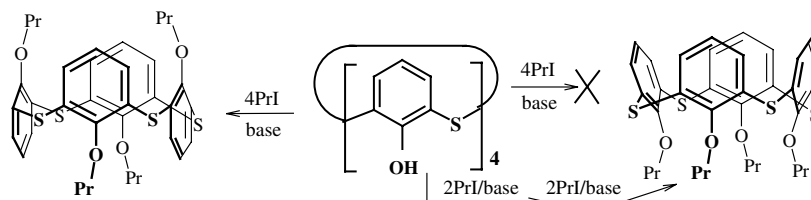


S-1-Acyloxy-2,2,2-trifluoroethyl and *S*-1-chloro-2,2,2-trifluoroethyl dithiocarbonates add efficiently to various functionalised olefins to give the corresponding adducts via a radical chain reaction initiated by a small amount of lauroyl peroxide.

Stereoselective alkylation of thiacalix[4]arenes

pp 461–464

Michal Himl, Michaela Pojarová, Ivan Stibor, Jan Sýkora and Pavel Lhoták*

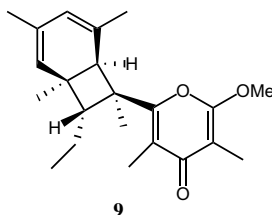


Cone conformers are accessible in very poor yields by the direct tetraalkylation of starting thiacalix[4]arenes. Surprisingly, the two-steps procedure: dialkylation/dialkylation leads to the *cone* conformation in high yields.

New γ -pyrone propionates from the Indian Ocean sacoglossan *Placobranchus ocellatus*

pp 465–468

Emiliano Manzo,* Maria Letizia Ciavatta, Margherita Gavagnin, Ernesto Mollo, Solimabi Wahidulla and Guido Cimino

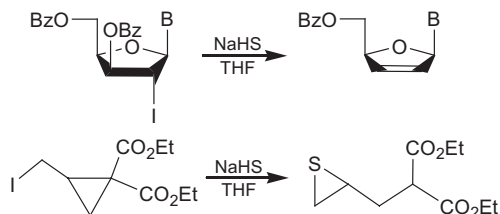


Two new γ -pyrone propionates (i.e., **9**, relative stereochemistry), characterised by a bicyclo [4.2.0] octane ring, have been isolated from the Indian sacoglossan *Placobranchus ocellatus*. A sunscreen protective role of compound **9** could be suggested by analogy with photodeoxytridachione previously found in the same mollusc.

Highly efficient synthesis of 2',3'-didehydro-2',3'-dideoxy- β -nucleosides through a sulfur-mediated reductive 2',3'-*trans*-elimination. From iodomethylcyclopropanes to thiirane analogs

pp 469–473

Luis Álvarez de Cienfuegos, Antonio J. Mota, Concepción Rodríguez and Rafael Robles*



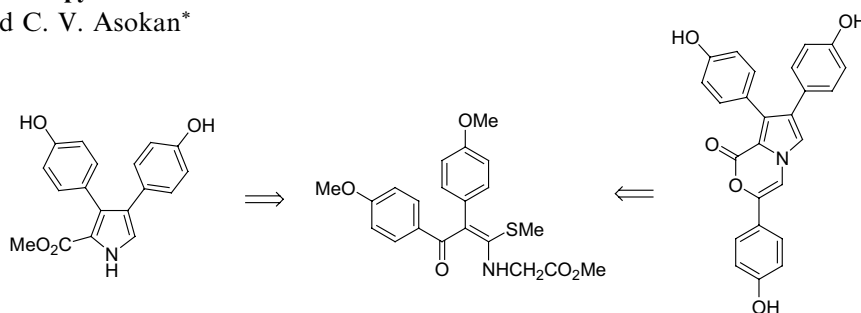
A very simple methodology to achieve 2',3'-didehydro-2',3'-dideoxy nucleoside derivatives was performed by means of the treatment of 2'-deoxy-2'-iodo- β -nucleosides with NaHS. The same procedure leads to thiiranes from iodomethylcyclopropane derivatives.



Cyclization of functionalized ketene-*N,S*-acetals to substituted pyrroles: applications in the synthesis of marine pyrrole alkaloids

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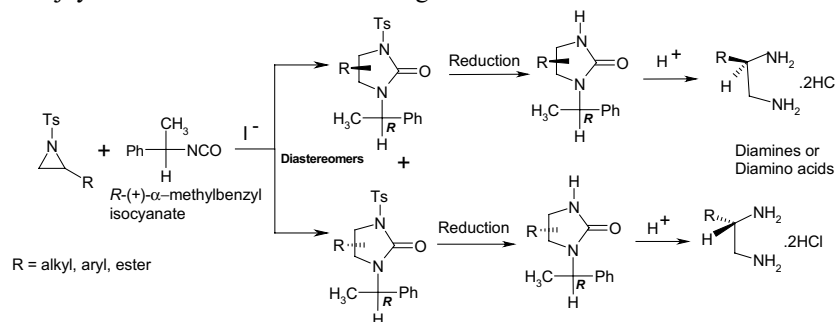
Paulson Mathew and C. V. Asokan*



A new and facile route for the synthesis of chiral 1,2-diamines and 2,3-diamino acids

pp 479–482

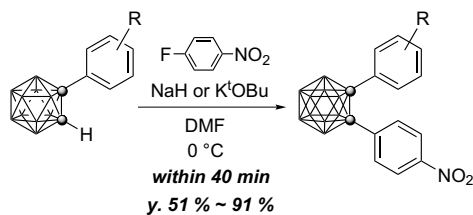
Upender K. Nadir,* R. Vijaya Krishna and Anamika Singh



New synthetic method of 1,2-diaryl-1,2-dicarba-closo-dodecaboranes employing aromatic nucleophilic substitution (S_NAr) reaction

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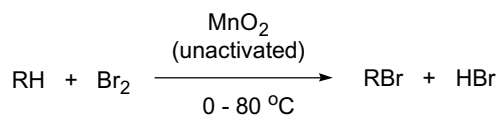
Kiminori Ohta, Tokuhito Goto and Yasuyuki Endo*



Chemoselective monobromination of alkanes promoted by unactivated MnO₂

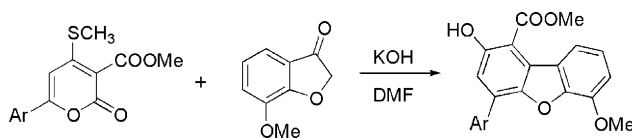
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Xuefeng Jiang, Meihua Shen, Yu Tang and Chaozhong Li*

**An innovative synthesis of dibenzofurans through a carbanion-induced ring transformation reaction**

pp 491–493

Atul Goel,* Manish Dixit and Deepti Verma

**Asymmetric reduction of prochiral ketones using in situ generated oxazaborolidine derived from (1*S*,2*S*,3*R*,4*R*)-3-amino-7,7-dimethoxynorbornan-2-ol. An efficient synthesis of enantiopure (*R*)-tomoxetine**

pp 495–498

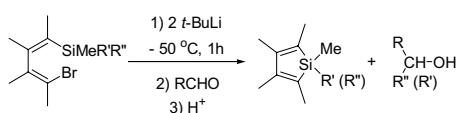
Alexandre A. M. Lapis, Ângelo de Fátima, José E. D. Martins, Valentim E. U. Costa* and Ronaldo A. Pilli*

In this work, we report our results on the asymmetric reduction of prochiral aromatic and aliphatic ketones **3**, **5–8** catalyzed by the novel in situ generated oxazaborolidine **2** derived from (1*S*,2*S*,3*R*,4*R*)-3-amino-7,7-dimethoxybornan-2-ol (**1**) and BH₃·Me₂S. This methodology was applied to the synthesis of the anti-depressant drug (*R*)-tomoxetine in three steps and 47% overall yield from 3-chloropropiophenone (**3h**).

Cleavage of C–Si bond by intramolecular nucleophilic attack: lithiation-promoted formation of siloles from 1-bromo-4-trisubstituted silyl-1,3-butadiene derivatives

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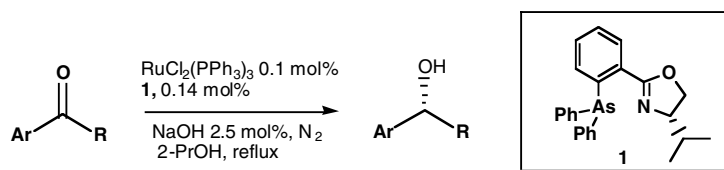
Zhihui Wang, Hongyun Fang and Zhenfeng Xi*



Asymmetric transfer hydrogenation of ketones in 2-propanol catalyzed by arsinooxazoline–ruthenium(II) complex

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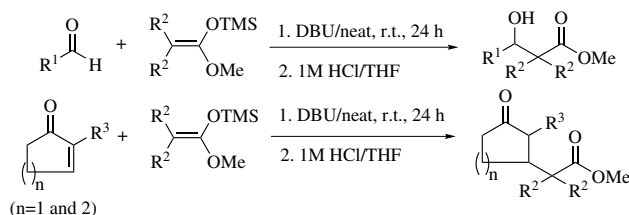
Duan-Ming Tan and Kin Shing Chan*



An environmentally friendly procedure for Mukaiyama aldol and Mukaiyama–Michael reactions using a catalytic amount of DBU under solvent- and metal-free conditions

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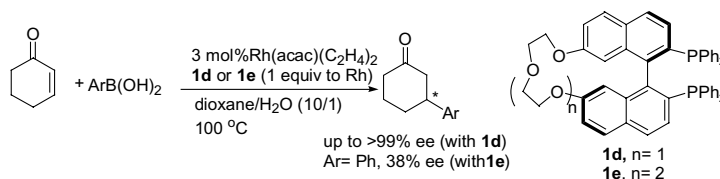
Zhi-Liang Shen, Shun-Jun Ji* and Teck-Peng Loh*



Preparation of chiral 7,7'-disubstituted BINAPs for Rh-catalyzed 1,4-addition of arylboronic acids

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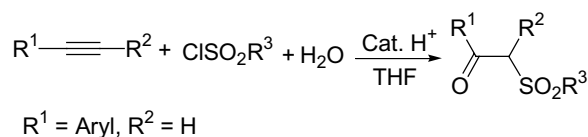
Wei-Cheng Yuan, Lin-Feng Cun, Liu-Zhu Gong,* Ai-Qiao Mi and Yao-Zhong Jiang



One-pot approach for the regioselective synthesis of β -keto sulfones based on acid-catalyzed reaction of sulfonyl chlorides with arylacetylenes and water

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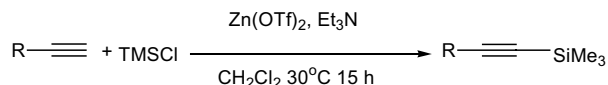
Chunbo Lai, Chanjuan Xi,* Yanfeng Jiang and Ruimao Hua



Silylation of 1-alkynes with chlorosilanes promoted by $\text{Zn}(\text{OTf})_2$: an efficient way to the preparation of alkynylsilanes

pp 517–519

Huiling Jiang and Shizheng Zhu*

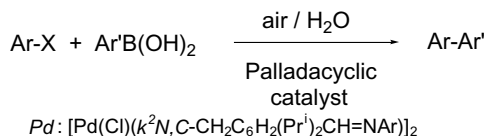


The direct silylation of terminal alkynes with chlorosilanes takes place in the presence of zinc triflates, which provides an efficient and inexpensive route to synthesize different silylalkynes in excellent yields.

An efficient catalyst for Suzuki–Miyaura coupling reaction in aqueous medium under aerobic conditions

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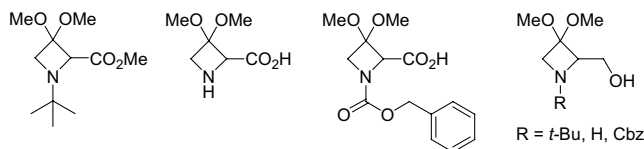
Chuan-Lin Chen, Yi-Hung Liu, Shie-Ming Peng and Shiuh-Tzung Liu*



Synthesis of new 3,3-dimethoxyazetidine-2-carboxylic acid derivatives

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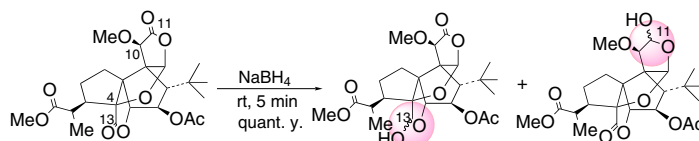
Sven Mangelinckx, Marc Boeykens, Maarten Vliegen, Johan Van der Eycken and Norbert De Kimpe*



Preparation of ginkgolide and F-seco-ginkgolide lactols: the unique reactivity of α -hydroxy lactones toward NaBH_4

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Katsunori Tanaka, Kimberly D. Kester, Nina Berova* and Koji Nakanishi*




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*Corresponding author

⁺ Supplementary data available via ScienceDirect

COVER

The cover shows the structures of naturally occurring immunosuppressant, stevastelins B3 and C3. While total synthesis of stevastelin B3 fully confirmed its proposed structure, that of stevastelin C3 revealed the incorrectness of the proposed structure. The correct structure of stevastelin C3 was established by the total synthesis of the compound whose structure was presumed by spectral and degradative studies of the natural product to be 5-deoxy derivative of the proposed structure. *Tetrahedron Letters* **2005**, 46, 389–392.

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