

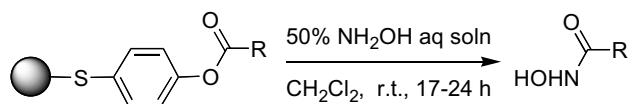
Tetrahedron Letters Vol. 49, No. 7, 2008

Contents

COMMUNICATIONS

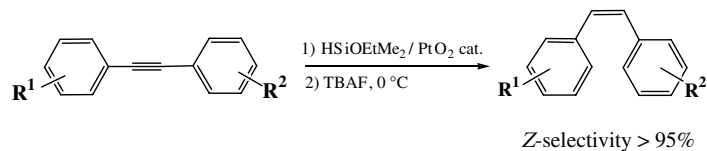
Convenient synthesis of a library of discrete hydroxamic acids using the hydroxythiophenol (Marshall) resin pp 1103–1106

Jinil Choi, Jewn Giew Park, Yuan-Ping Pang *



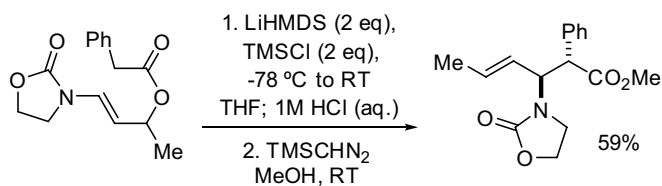
One-pot hydrosilylation–protodesilylation of functionalized diarylalkynes: a highly selective access to *Z*-stilbenes. Application to the synthesis of combretastatin A-4 pp 1107–1110

Anne Giraud, Olivier Provot *, Abdallah Hamzé, Jean-Daniel Brion, Mouâd Alami *



An Ireland–Claisen rearrangement approach to $\beta^{2,3}$ -amino acids pp 1111–1114

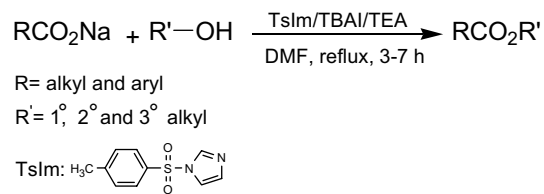
Paul M. Ylioja, Alexander D. Mosley, Claire E. Charlot, David R. Carbery *



$\beta^{2,3}$ -Amino acid derivatives are accessed via the first Ireland–Claisen rearrangement of enamide substrates.

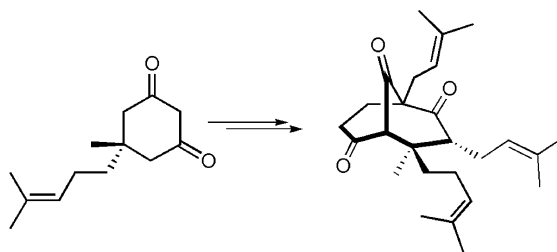
A simple procedure for the esterification of alcohols with sodium carboxylate salts using 1-tosylimidazole (TsIm) pp 1115–1120

Mohammad Navid Soltani Rad *, Somayeh Behrouz, Mohammad Ali Faghihi, Ali Khalafi-Nezhad



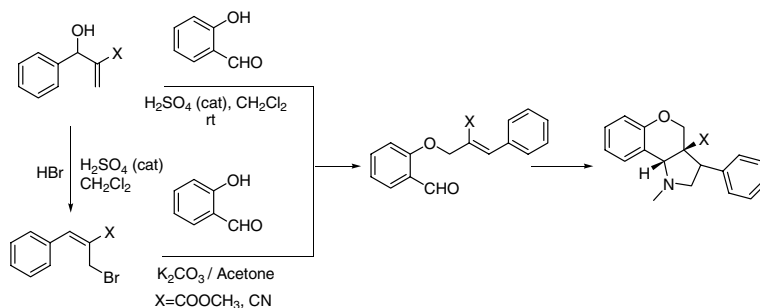
A stereodefined approach towards the bicyclo[3.3.1]nonan-9-one core of the phloroglucin natural products guttiferone A and hypersampsonse F pp 1121–1124

Goverdhan Mehta *, Mrinal K. Bera, Sandipan Chatterjee



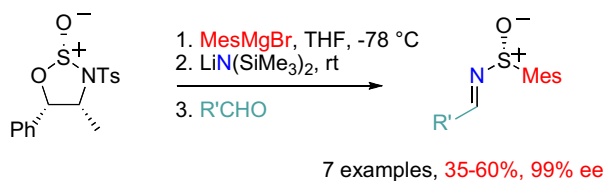
A facile synthesis of chromeno[4,3-b]pyrroles derived from allyl derivatives of Baylis–Hillman adducts through intramolecular 1,3-dipolar cycloaddition using ultrasonication pp 1125–1128

Ekambaram Ramesh, Raghavachary Raghunathan *



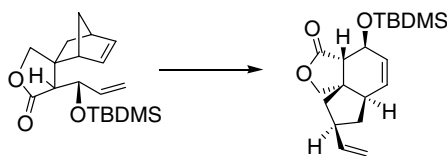
Convenient synthesis of chiral non-racemic S-mesityl sulfinimines pp 1129–1132

Leonid Sasraku-Neequaye, David MacPherson, Robert A. Stockman *



Rapid assembly of the functionalized tricyclic core of umbellactal through domino metathesis involving ROM-RCM of a norbornene derivative pp 1133–1136

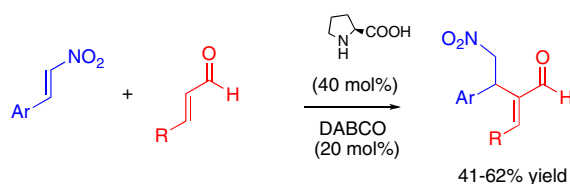
Soumitra Maity, Subrata Ghosh *



The first synthetic approach to the functionalized core structure of the anticancer diterpene umbellactal is described based on domino metathesis of a norbornene derivative.

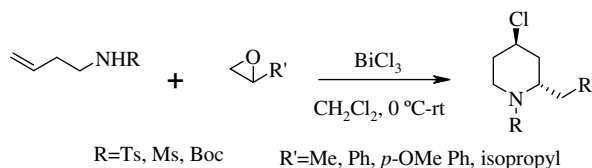
Proline and Lewis base co-catalyzed addition of α,β -unsaturated aldehydes to nitrostyrenes pp 1137–1140

Jan Vesely, Ramon Rios, Armando Córdova *



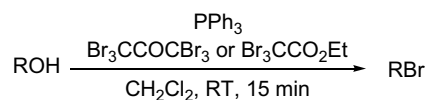
BiCl_3 promoted aza-Prins type cyclization: a rapid and efficient synthesis of 2,4-disubstituted piperidines pp 1141–1145

M. S. R. Murty *, Kesur R. Ram, J. S. Yadav



Hexabromoacetone and ethyl tribromoacetate: a highly efficient reagent for bromination of alcohol pp 1146–1148

Pratoomrat Tongkate, Wanchai Pluempanupat, Warinthorn Chavasiri *

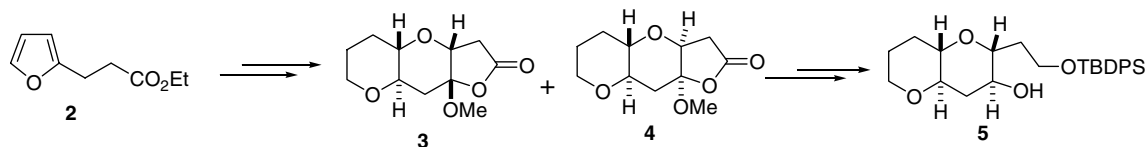


Reactivity of brominating agent : $\text{Br}_3\text{CCOBr}_3 > \text{Br}_3\text{CCO}_2\text{Et} > \text{CBr}_4$

Stereoselective synthesis of polytetrahydropyrans

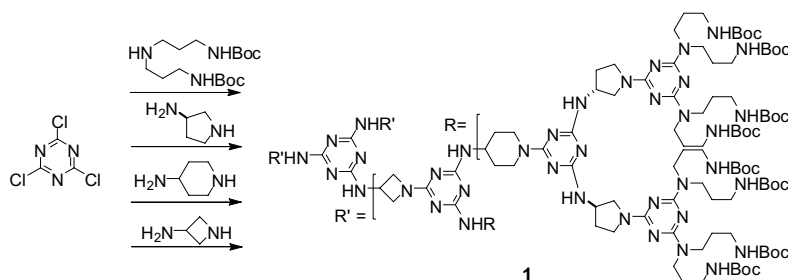
pp 1149–1151

Pilar Canoa, Nuria Vega, Manuel Pérez, Generosa Gómez *, Yagamare Fall *

**Identification of diamine linkers with differing reactivity and their application in the synthesis of melamine dendrimers**

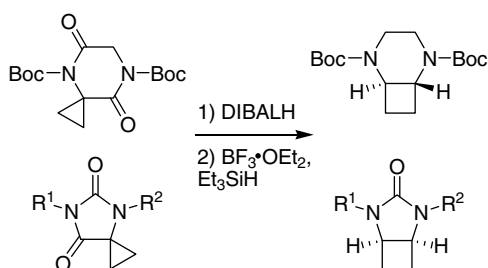
pp 1152–1154

Karlos X. Moreno, Eric E. Simanek *

**An unexpected aminocyclopropane reductive rearrangement**

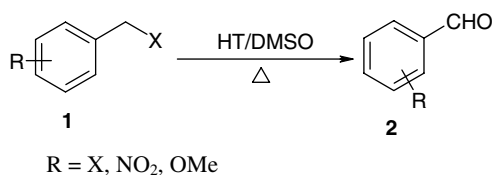
pp 1155–1159

Joey L. Methot *, Theresa A. Dunstan, Dawn M. Mampreian, Bruce Adams, Michael D. Altman

**Mg–Al hydrotalcites as the first heterogeneous basic catalysts for the Kornblum oxidation of benzyl halides to benzaldehydes using DMSO**

pp 1160–1162

Siddheshwar W. Kshirsagar, Nitin R. Patil, Shriniwas D. Samant *

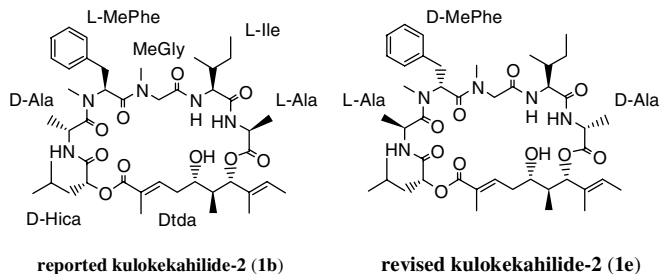


Revised absolute stereochemistry of natural kulokekahilide-2

pp 1163–1165

Yuuki Takada, Masahiro Umehara, Yoichi Nakao, Junji Kimura *

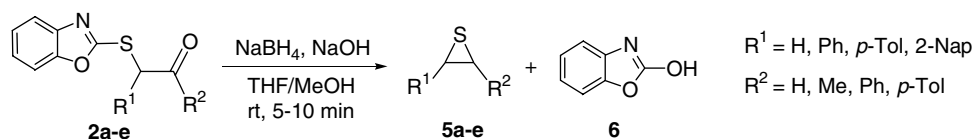
The absolute stereochemistry of natural kulokekahilide-2 is unambiguously confirmed to be a combination 21-L-Ala, 24-D-MePhe, and 43-D-Ala (1e) instead of 21-D-Ala, 24-L-MePhe, and 43-L-Ala (1b).



A facile and efficient one-pot synthesis of thiirans by the reaction of benzoxazolyl β-ketosulfides with NaBH₄/NaOH

pp 1166–1168

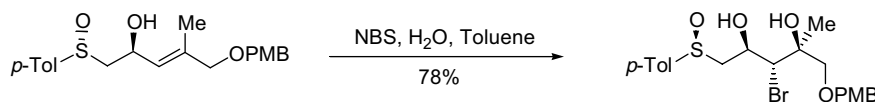
Nobuhiko Yamada, Masayoshi Mizuochi, Masahiro Takeda, Hiroyuki Kawaguchi, Hiroyuki Morita *



Stereoselective synthesis of chiral tertiary alcohol building blocks via neighbouring group participation from tri-substituted olefins

pp 1169–1174

Sadagopan Raghavan *, T. Sreekanth



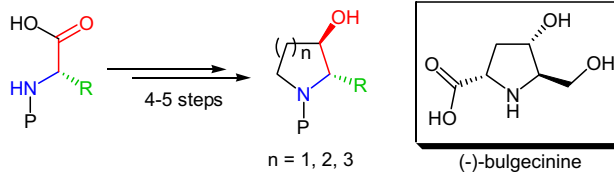
A regio- and stereoselective preparation of chiral quaternary 1,2/1,3-diols from acyclic tri-substituted alkenes is disclosed. A sulfinyl moiety has been utilized as an intramolecular nucleophile.



A practical route to enantiopure 3-hydroxy-pyrrolidines: application to a straightforward synthesis of (-)-bulgecinine

pp 1175–1179

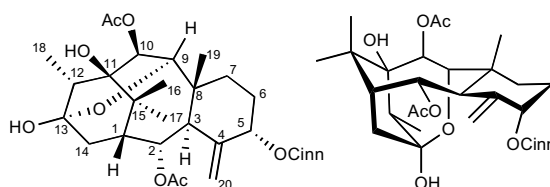
Mathieu Toumi, François Couty, Gwilherm Evano *



A taxane with a novel 9 α ,13 α -oxygen bridge from *Taxus cuspidata* needles

pp 1180–1183

Man-Li Zhang, Qing-Wen Shi, Mei Dong, Yu-Fang Wang, Chang-Hong Huo, Yu-Cheng Gu, Bin Cong *, Hiromasa Kiyota *

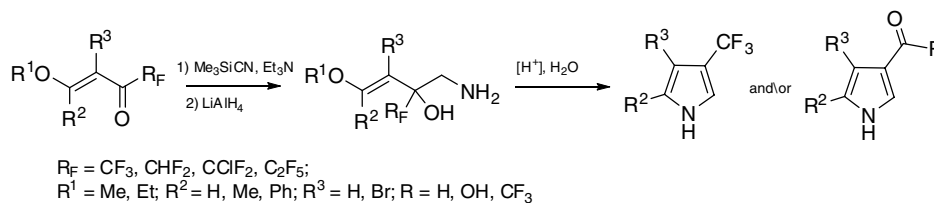


A novel taxane with an unprecedented hemiacetal ring between C-13 and C-9, (12 α H)-2 α ,10 β -diacetoxy-5 α -cinnamoyloxy-9 α ,13 α -epoxytax-4(20)-ene-11 β ,13 β -diol, was isolated from the needles of *Taxus cuspidata*.

A new synthetic route to 3-polyfluoroalkyl-containing pyrroles

pp 1184–1187

Elena N. Shaitanova, Igor I. Gerus *, Valery P. Kukhar

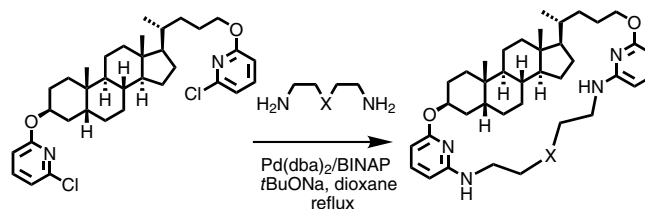


A new synthetic method for the synthesis of 3-polyfluoroalkyl pyrroles based on readily available fluoroalkyl-containing enones is described.

**Palladium-catalyzed amination in the synthesis of macrocycles comprising cholane, polyamine and pyridine units**

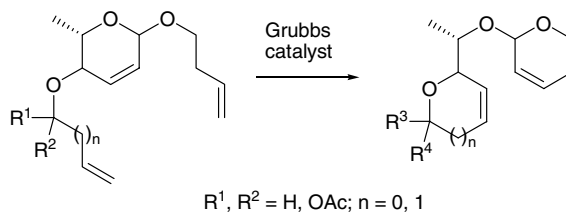
pp 1188–1191

Alexei D. Averin *, Elena R. Ranyuk, Nikolai V. Lukashev, Svetlana L. Golub, Alexei K. Buryak, Irina P. Beletskaya *

**Ring-rearrangement metathesis of 3,6-dialkoxy-3,6-dihydro-2H-pyrans**

pp 1192–1195

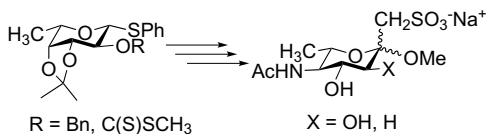
Morgan Donnard, Théophile Tschamber, Sandy Desrat, Karen Hinsinger, Jacques Eustache *



A first synthesis of sulfonic acid analogues of *N*-acetylneuraminic acid

pp 1196–1198

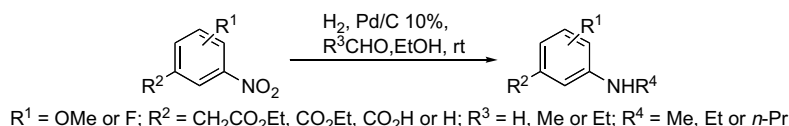
Zoltán B. Szabó, Anikó Borbás *, István Bajza, András Lipták, Sándor Antus



One-pot reductive monoalkylation of nitro aryls with hydrogen over Pd/C

pp 1199–1202

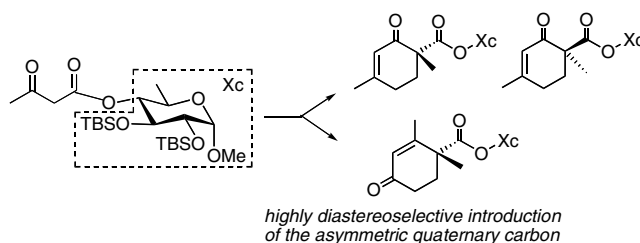
Magne O. Sydnnes, Minoru Isobe *



Stereoselective synthesis of highly enantioenriched 3-methyl-2-cyclohexen-1-ones possessing an asymmetric quaternary carbon as C-4 or C-6: a sugar template approach

pp 1203–1207

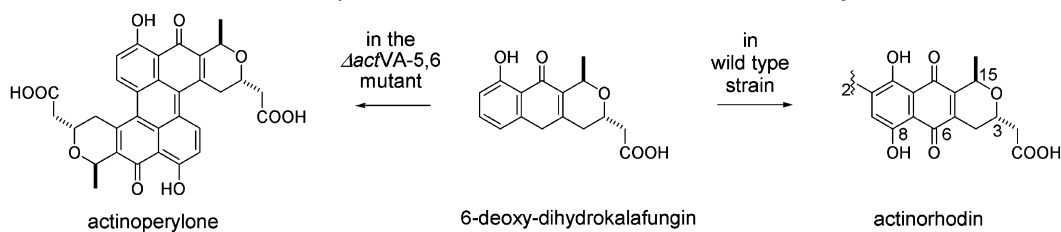
Hiroto Kubo, Ikuko Kozawa, Ken-ichi Takao, Kin-ichi Tadano *



Actinoperylone, a novel perylenequinone-type shunt product, from a deletion mutant of the *actVA*-ORF5 and ORF6 genes for actinorhodin biosynthesis in *Streptomyces coelicolor* A3(2)

pp 1208–1211

Takaaki Taguchi, Susumu Okamoto, Takayuki Itoh, Yutaka Ebizuka, Kozo Ochi, Koji Ichinose *

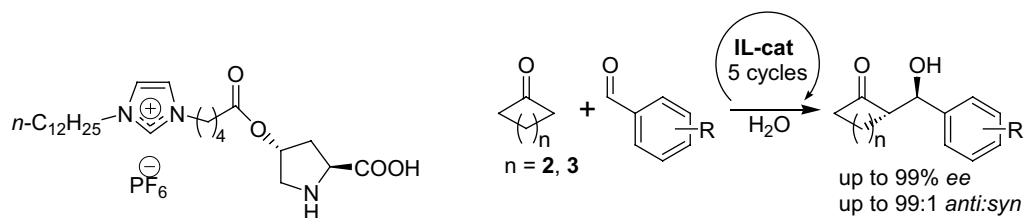


A novel shunt product, actinoperylone, isolated from a deletion mutant of the *actVA*-ORF5 gene indicates the essential role of ActVA-ORF5 in the oxygen introduction at C-6.



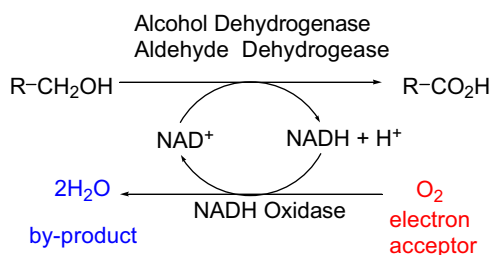
A novel (*S*)-proline-modified task-specific chiral ionic liquid—an amphiphilic recoverable catalyst for direct asymmetric aldol reactions in water pp 1212–1216

Dmitriy E. Siyutkin, Alexander S. Kucherenko, Marina I. Struchkova, Sergei G. Zlotin *



The green and effective oxidation of alcohols to carboxylic acids with molecular oxygen via biocatalytic reaction pp 1217–1219

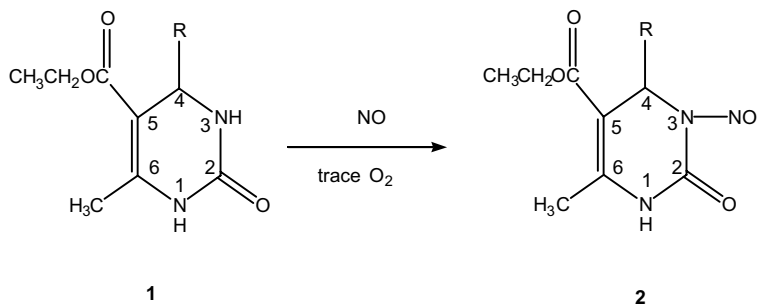
Jun-ichiro Hirano, Kenji Miyamoto, Hiromichi Ohta *



Regioselective N-nitrosation of dihydropyrimidinones with nitric oxide pp 1220–1222

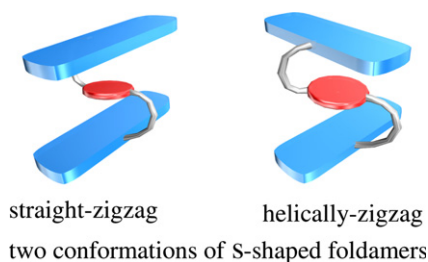
Yinglin Shen, Qiang Liu, Guaili Wu, Longmin Wu *

N-Nitrosation of dihydropyrimidinones with nitric oxide occurred regioselectively, giving the corresponding N(3)-nitrosamides in high yields. The reaction most likely took place by a nucleophilic attack. Aprotic and polar solvents, such as CH_3CN and tetrahydrofuran (THF), greatly favored the reaction, whereas protic solvents with high dielectric constant, such as CH_3OH and water, disfavored it.



Conformation of S-shaped aromatic imide foldamers and their induced circular dichroism pp 1223–1227

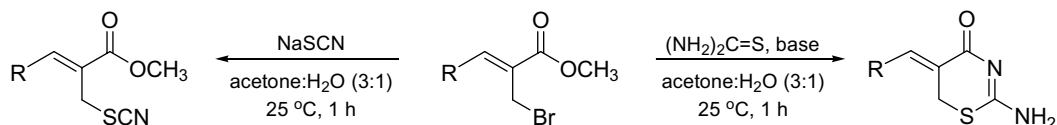
Shigeo Kohmoto *, Hiroshi Takeichi, Keiki Kishikawa, Hyuma Masu, Isao Azumaya



Synthesis of allylic thiocyanates and novel 1,3-thiazin-4-ones from 2-(bromomethyl)alkenoates and S-nucleophiles in aqueous medium

pp 1228–1232

Marcus M. Sá *, Luciano Fernandes, Misael Ferreira, Adailton J. Bortoluzzi

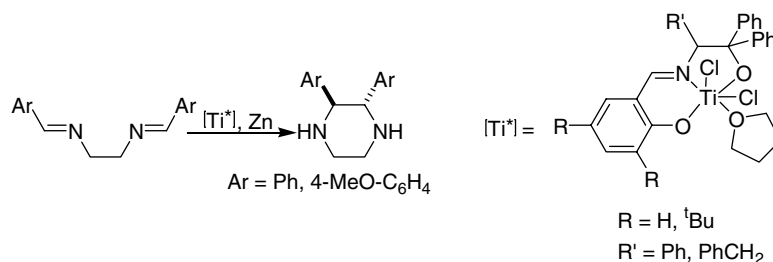


Allylic thiocyanates and novel heterocycles containing the 1,3-thiazin-4-one core are easily obtained in high yields and mild conditions by nucleophilic displacement of 2-(bromomethyl)alkenoates (derived from Morita–Baylis–Hillman adducts) with sulphur-centred nucleophiles in aqueous acetone. The structural assignments were confirmed by X-ray diffraction analysis.

New chiral titanium complexes for enantioselective reductive cyclizations of diimines to *trans*-2,3-diarylpiperazines

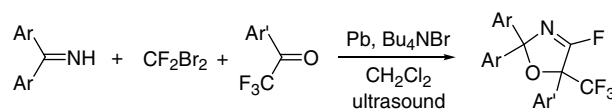
pp 1233–1236

Pothiappan Vairaprakash, Mariappan Periasamy *

***gem*-Difluorosubstituted NH-azomethine ylides in the synthesis of 4-fluorooxazolines via the three-component reaction of imines, trifluoroacetophenones and CF₂Br₂**

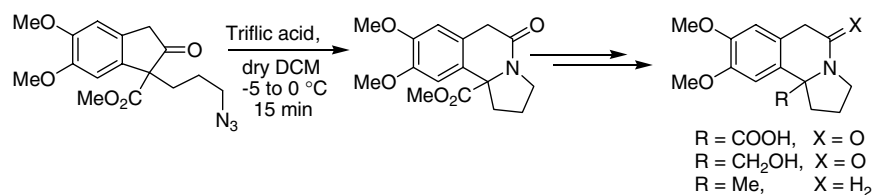
pp 1237–1240

Kirill A. Khistiaev, Mikhail S. Novikov *, Alexander F. Khlebnikov, Joerg Magull

**An intramolecular Schmidt reaction strategy for the synthesis of a methyl analogue of crispine A**

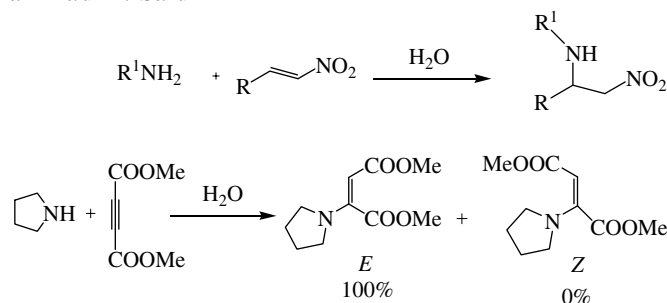
pp 1241–1243

Ponminor Senthil Kumar, Ajoy Kapat, Sundarababu Baskaran *



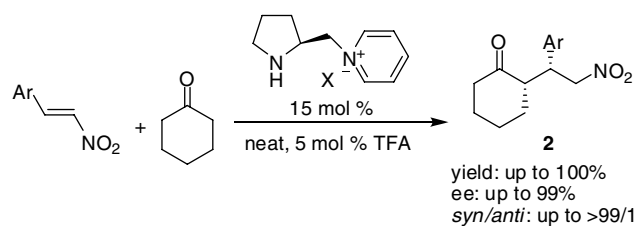
Synthesis of aza-Henry products and enamines in water by Michael addition of amines or thiols to activated unsaturated compounds pp 1244–1248

Azim Ziyaei-Halimehjani, Mohammad R. Saidi *



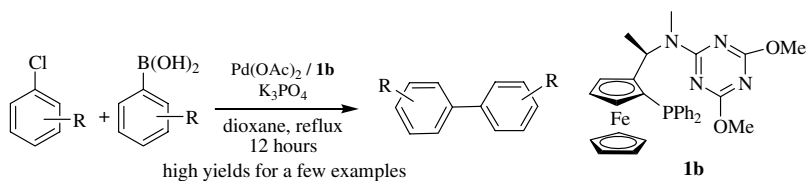
Pyrrolidine-based chiral pyridinium ionic liquids (ILs) as recyclable and highly efficient organocatalysts for the asymmetric Michael addition reactions pp 1249–1252

Bukuo Ni, Qianying Zhang, Allan D. Headley *



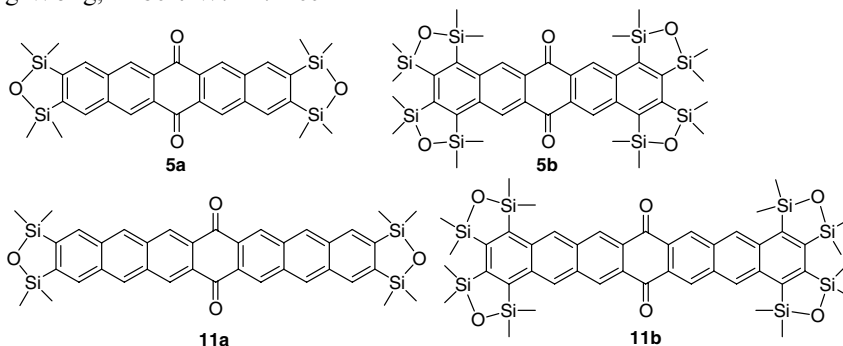
Ferrocene-based phosphine–triazine ligands for highly efficient Suzuki–Miyaura cross-coupling reaction of aryl chlorides pp 1253–1256

Sai-Bo Yu, Xiang-Ping Hu *, Jun Deng, Jia-Di Huang, Dao-Yong Wang, Zheng-Chao Duan, Zhuo Zheng *



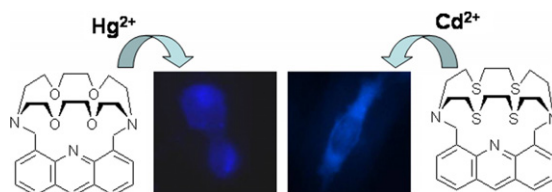
Oxadisilole fused pentacenequinones and heptacenequinones pp 1257–1260

Ya-Li Chen, Wai-Yeung Wong, Albert W. M. Lee *



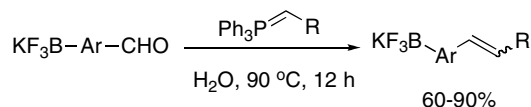
New acridine derivatives bearing immobilized azacrown or azathiacrown ligand as fluorescent chemosensors for Hg²⁺ and Cd²⁺ pp 1261–1265

Han Na Lee, Ha Na Kim, K. M. K. Swamy, Min Sun Park, Jimi Kim, Hyunsook Lee, Keun-Hyeung Lee, Sungsu Park, Juyoung Yoon *



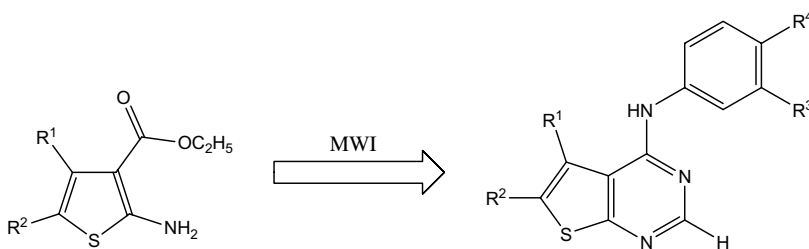
Wittig reaction of formyl-substituted organotrifluoroborates and stabilized phosphonium ylides in an aqueous medium pp 1266–1268

Gary A. Molander *, Roberta A. Oliveira



Microwave-based synthesis of novel thienopyrimidine bioisosteres of gefitinib pp 1269–1273

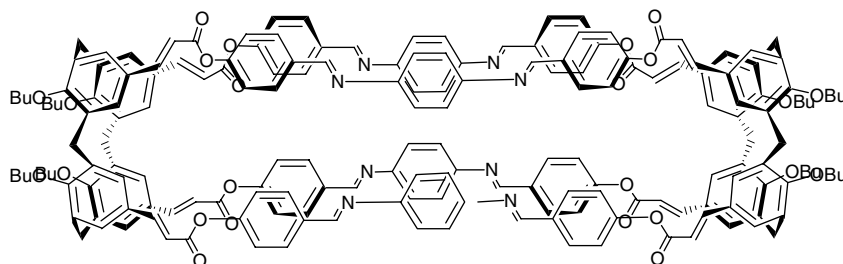
Manisha S. Phoujdar, Muthu K. Kathiravan, Jitender B. Bariwal, Anamik K. Shah, Kishor S. Jain *



Synthesis of upper rim calix[4]arene carcerands

pp 1274–1276

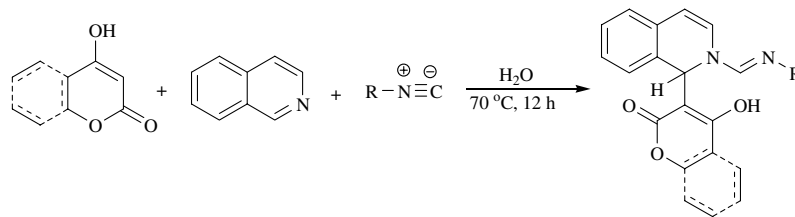
Nikolai Kuhnert *, Adam Le-Gresley



This Letter reports the synthesis of carcerands based on the covalent linkage of two tetraolefinic calix[4]arene macrocycles and four diamine linkers using an imine formation reaction.

A novel three-component reaction for the synthesis of 1,2-dihydroisoquinolines via the reaction of isoquinoline and isocyanides with strong CH-acids in water pp 1277–1281

Ahmad Shaabani,* Ebrahim Soleimani and Jafar Moghimi-Rad

**OTHER CONTENT****Corrigendum****p 1282**

*Corresponding author

①* Supplementary data available via ScienceDirect

Available online at www.sciencedirect.com

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

ISSN 0040-4039