

Tetrahedron Letters Vol. 50, No. 32, 2009

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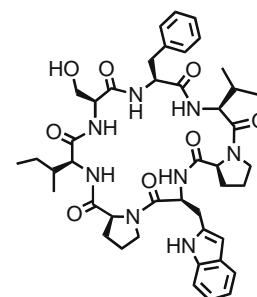
COMMUNICATIONS

Euryjanicin A: a new cycloheptapeptide from the Caribbean marine sponge *Prosuberites laughlini*

pp 4571–4574

Jan Vicente, Brunilda Vera, Abimael D. Rodríguez *, Idaliz Rodríguez-Escudero, Raphael G. Raptis

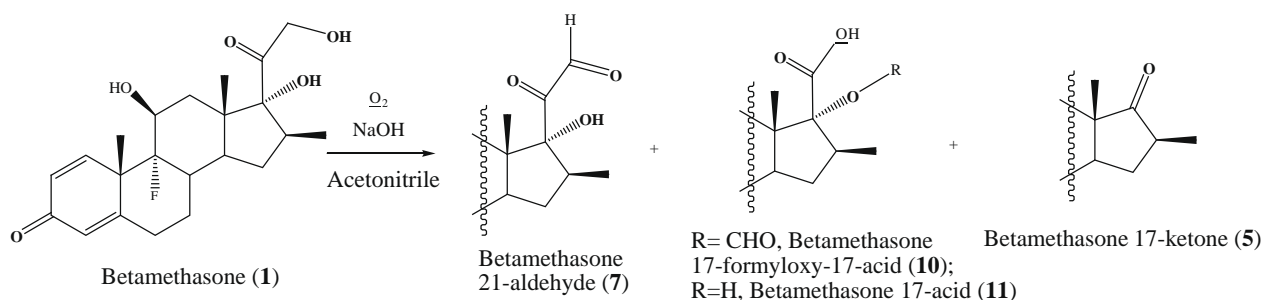
The isolation and structure determination of an unusual cyclic heptapeptide, euryjanicin A, from a Puerto Rican marine sponge, *Prosuberites laughlini*, is reported. The peptide exists in multiple, slowly exchanging conformations in CDCl₃ and contains 1 mol each of valine, phenylalanine, tryptophan, serine, and isoleucine, as well as 2 mol of proline residues.



Mechanism of base-catalyzed autooxidation of corticosteroids containing 20-keto-21-hydroxyl side chain

pp 4575–4581

Min Li *, Bin Chen, Stephanie Monteiro, Abu M. Rustum



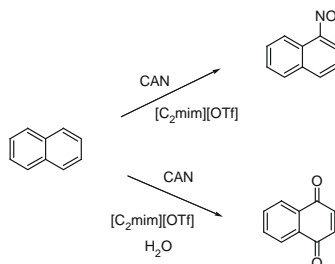
Other corticosteroids containing the 20-keto-21-hydroxyl side chain undergo the same oxidative degradation.



Ceric ammonium nitrate (CAN) as oxidizing or nitrating reagent for organic reactions in ionic liquids

pp 4582–4586

Karen Deleersnyder, Stijn Schaltin, Jan Fransaeer, Koen Binnemans, Tatjana N. Parac-Vogt *

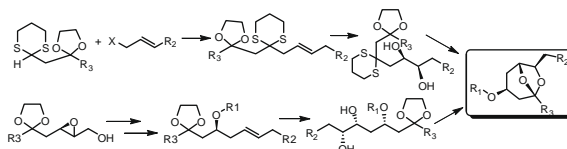


The chemoselectivity of the reaction of ceric ammonium nitrate with naphthalene in the ionic liquid 1-ethyl-3-methylimidazolium triflate can be altered by modifying the ionic liquid's water content.

Studies toward the total synthesis of cyclodidemniserinol trisulfate. Part I: 3,5,7-Trisubstituted 6,8-dioxabicyclo [3.2.1] octane core structure construction via a convergent and a linear stereoselective synthesis

pp 4587–4591

Jian-Hua Liu, Lai-Dong Song, Ya-Qiu Long *

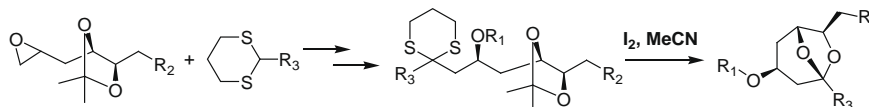


The 3,5,7-trisubstituted dioxabicyclic portion of cyclodidemniserinol trisulfate was synthesized by employing intramolecular ketal formation strategy via a convergent and a linear stereoselective synthesis approach, respectively.


Studies toward the total synthesis of cyclodidemniserinol trisulfate. Part II: 3,5,7-Trisubstituted 6,8-dioxabicyclo [3.2.1] octane core structure construction via I₂-mediated deprotection and ring closure tandem reaction

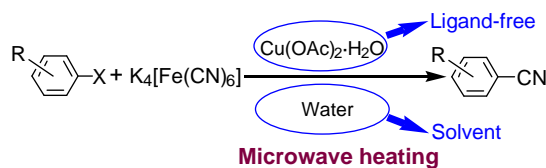
pp 4592–4594

Jian-Hua Liu, Ya-Qiu Long *


Microwave-enhanced and ligand-free copper-catalyzed cyanation of aryl halides with K₄[Fe(CN)₆] in water

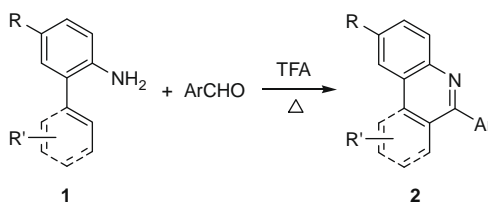
pp 4595–4597

Yunlai Ren, Wei Wang, Shuang Zhao, Xinzhe Tian, Jianji Wang *, Weiping Yin, Lin Cheng


Trifluoroacetic acid-mediated facile construction of 6-substituted phenanthridines

pp 4598–4601

So Won Youn *, Joon Hyung Bihn



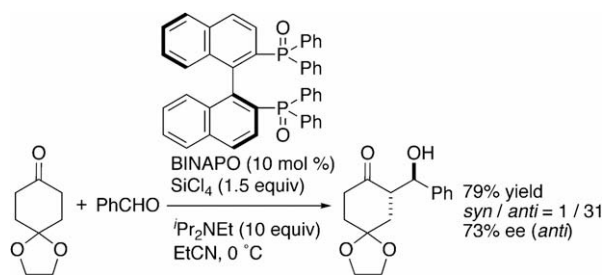
The trifluoroacetic acid-mediated reaction of 2-arylanilines with arylaldehydes has been developed to give a variety of 6-substituted phenanthridines. This is a very simple and convenient one-pot process.



Novel enantioselective direct aldol-type reaction promoted by a chiral phosphine oxide as an organocatalyst

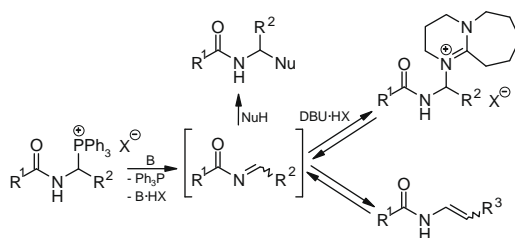
pp 4602–4605

Shunsuke Kotani, Yasushi Shimoda, Masaharu Sugiura, Makoto Nakajima *

**1-(N-Acylamino)alkyltriphenylphosphonium salts as synthetic equivalents of N-acylimines and new effective α -amidoalkylating agents**

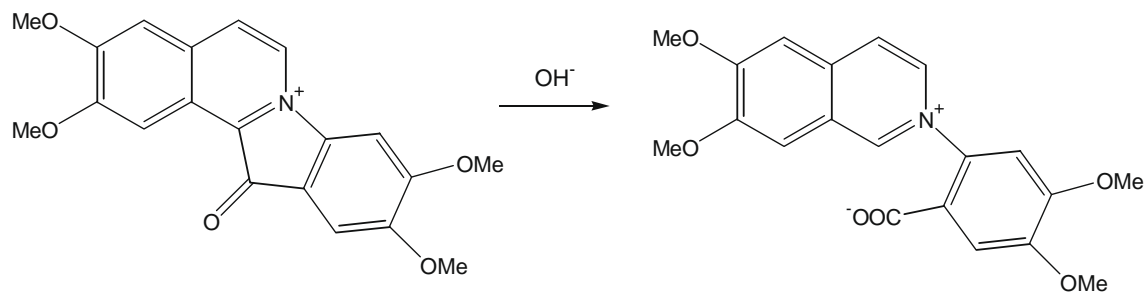
pp 4606–4609

Roman Mazurkiewicz *, Agnieszka Październiak-Holewa, Beata Orlińska, Sebastian Stecko

**Synthesis and structure elucidation of a new isoquinolinium inner salt**

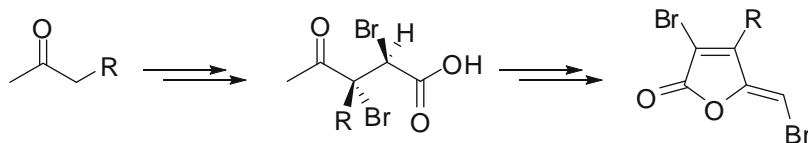
pp 4610–4612

Ulrich Girreser, Andrzej Czyrski *, Tadeusz W. Hermann

**An efficient synthesis of brominated 4-alkyl-2(5H)-furanones**

pp 4613–4615

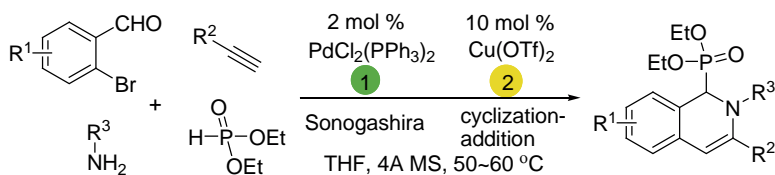
George Iskander, Ruonan Zhang, Daniel Shiu-Hin Chan, David StC Black, Mahiuddin Alamgir, Naresh Kumar *



Multicatalytic synthesis of 1,2-dihydroisoquinolin-1-ylphosphonates via a tandem four-component reaction

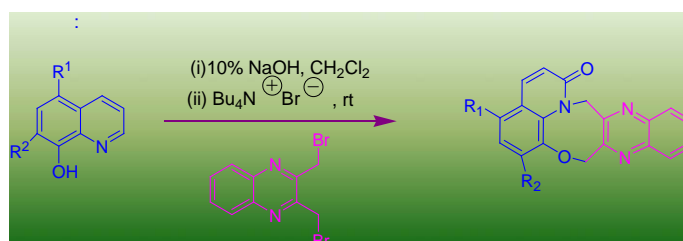
pp 4616–4618

Haibo Zhou, Hanpeng Jin, Shengqing Ye, Xiaodan He, Jie Wu *

**Facile synthesis of 6,6,8,6,6-ring fused pentacyclic heterocycles: annelation of quinolines to quinoxalines under PTC condition**

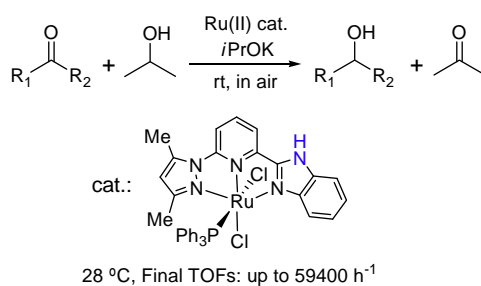
pp 4619–4623

Priyankar Paira, Rupankar Paira, Abhijit Hazra, Subhendu Naskar, Krishnendu B. Sahu, Pritam Saha, Shyamal Mondal, Arindam Maity, Sukdeb Banerjee, Nirup B. Mondal *

**Room-temperature Ru(II)-catalyzed transfer hydrogenation of ketones and aldehydes in air**

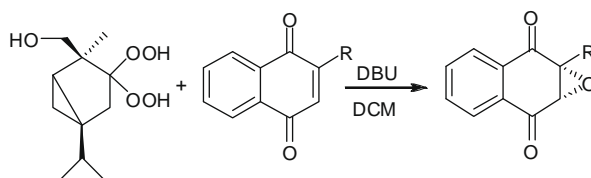
pp 4624–4628

Miao Zhao, Zhengkun Yu *, Shenggang Yan, Yang Li

**Enantioselective epoxidation of 2-substituted 1,4-naphthoquinones using gem-dihydroperoxides**

pp 4629–4632

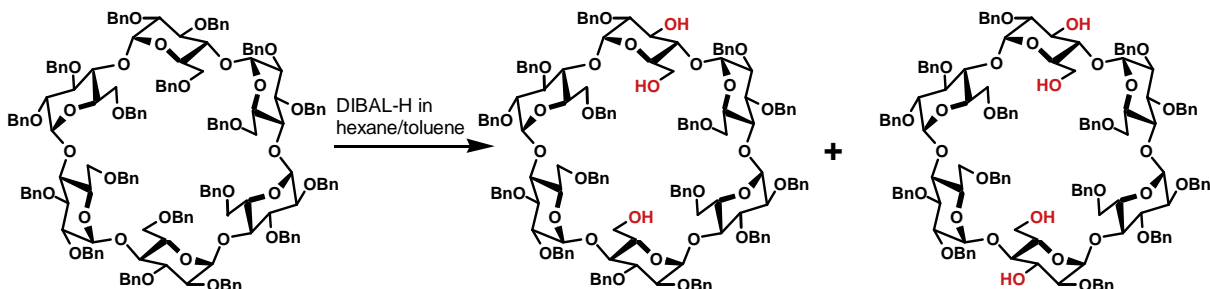
Alexander Bunge, Hans-Jürgen Hamann *, Eve McCalmont, Jürgen Liebscher *



Unexpected regioselective debenzoylation leading to modification of both rims of α -cyclodextrin

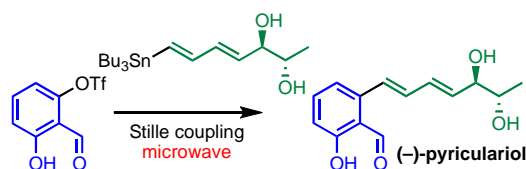
pp 4633–4636

Girish K. Rawal, Shikha Rani, Chang-Chun Ling *

**First synthesis and absolute configuration of (–)-pyriculariol, a phytotoxin isolated from rice blast fungus, *Magnaporthe grisea*. Use of microwave irradiation to control Stille coupling reaction products**

pp 4637–4638

Ayaka Sasaki, Koji Tanaka, Yuuki Sato, Shigefumi Kuwahara, Hiromasa Kiyota *

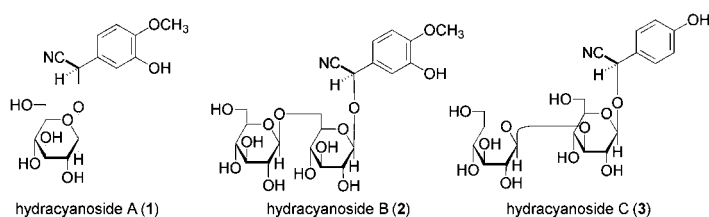


First total synthesis of (–)-pyriculariol, a phytotoxin isolated from rice blast fungus, *Magnaporthe grisea*, was achieved to determine the absolute configuration of the natural product to be 5*R*,6*S*. The key step was Stille coupling reaction using microwave irradiation from –78 °C to control the reaction.

The absolute stereostructures of cyanogenic glycosides, hydracyanosides A, B, and C, from the leaves and stems of *Hydrangea macrophylla*

pp 4639–4642

Seikou Nakamura, Zhibin Wang, Fengming Xu, Hisashi Matsuda, Lijun Wu, Masayuki Yoshikawa *

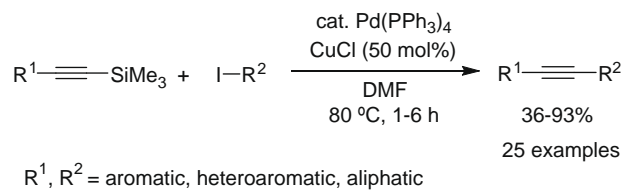


Three new cyanogenic glycosides named hydracyanosides A (1), B (2), and C (3) were isolated from the leaves and/or stems of *Hydrangea macrophylla*. To the best of our knowledge, this is the first scientific report of cyanogenic glycosides from *Hydrangea* plants.

Palladium/copper-catalyzed sila-Sonogashira reactions of aryl iodides with alkynylsilanes via a direct C–Si bond activation

pp 4643–4646

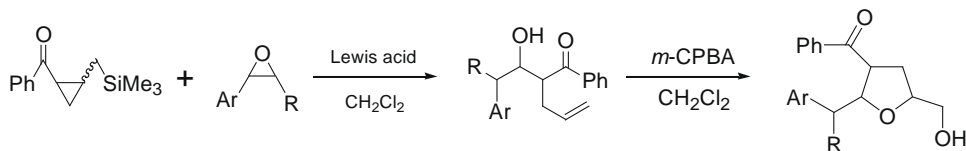
Yasushi Nishihara *, Eiji Inoue, Daisuke Ogawa, Yoshiaki Okada, Shintaro Noyori, Kentaro Takagi



Various unsymmetrical diarylethyne derivatives are synthesized by the palladium/copper-catalyzed cross-coupling reactions of aryl iodides with alkynylsilanes in moderate to excellent yields.

Reaction of 2-silylmethylcyclopropyl ketones with in situ oxirane-derived aldehydes and formation of 2-hydroxymethyl tetrahydrofurans

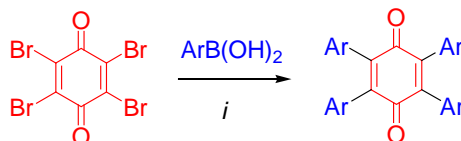
pp 4647–4650

Veejendra K. Yadav ^{*}, Archana Gupta

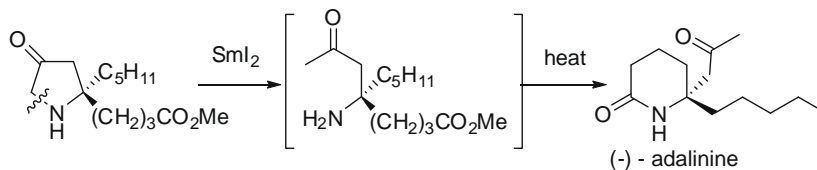
The enolates formed from Lewis acid treatment of (2-trimethylsilylmethyl)cyclopropyl ketones react with in situ oxirane-derived aldehydes to generate aldol products that were easily transformed into 2-hydroxymethyl tetrahydrofurans under oxidation with *m*-chloroperoxybenzoic acid.


Synthesis of tetraaryl-*p*-benzoquinones by Suzuki–Miyaura cross-coupling reactions of tetrabromo-*p*-benzoquinone

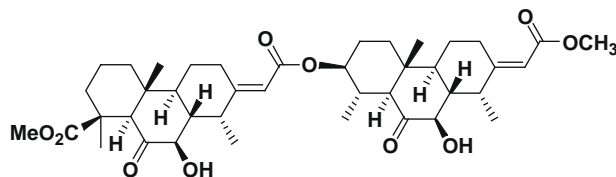
pp 4651–4653

Ihsan Ullah, Rasheed Ahmad Khara, Munawar Hussain, Alexander Villinger, Peter Langer ^{*}
Alternative synthetic path to (-)-adalinine via a Sml₂-promoted fragmentation of a 3-oxopyrrolidine derivative

pp 4654–4657

Toshio Honda ^{*}, Chihiro Hisa
Cassaine diterpenoid dimers isolated from *Erythrophleum succirubrum* with TRAIL-resistance overcoming activity

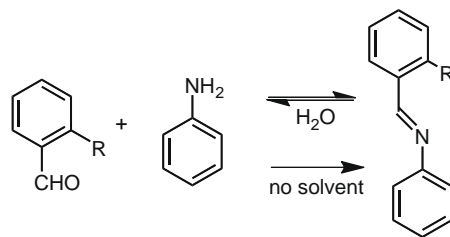
pp 4658–4662

Takashi Miyagawa, Takashi Ohtsuki, Takashi Koyano, Thaworn Kowithayakorn, Masami Ishibashi ^{*}

On the formation of imines in water—a comparison

pp 4663–4665

Vittorio Saggiomo, Ulrich Lüning *

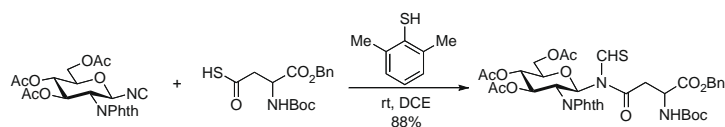


Contradictory reports on imine formation in water have been reinvestigated and clarified.

Thio-mediated synthesis of derivatized N-linked glycopeptides using isonitrile chemistry

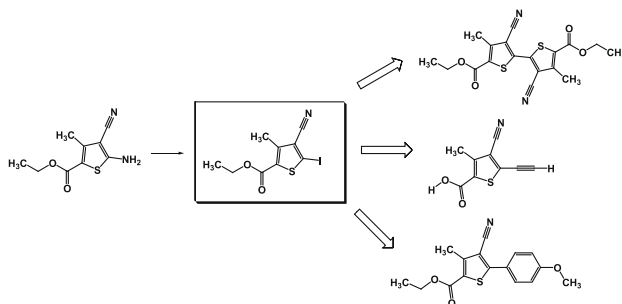
pp 4666–4669

Xiangyang Wu, Yu Yuan, Xuechen Li, Samuel J. Danishefsky *

**A facile synthesis of α -substituted thiophenes from a functionalized 2-aminothiophene by homo- and cross-coupling reactions**

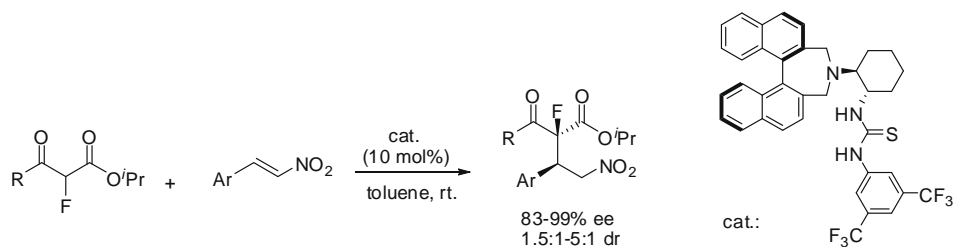
pp 4670–4673

Zita Puterová *, Anita Andicsová, Ján Moncol, Constantin Rabong, Daniel Végh

**Organocatalytic synthesis of quaternary stereocenter bearing a fluorine atom: enantioselective conjugate addition of α -fluoro- β -ketoesters to nitroalkenes**

pp 4674–4676

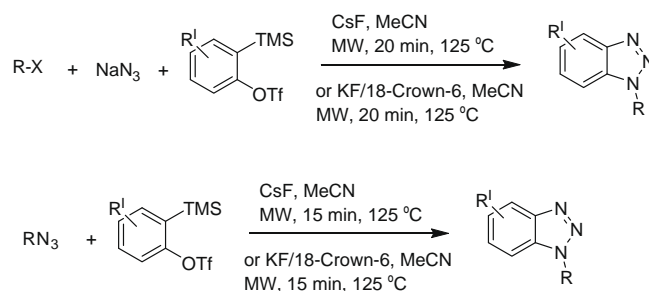
Yeonock Oh, Sun Mi Kim, Dae Young Kim *



Microwave-assisted benzyne-click chemistry: preparation of 1H-benzo[d][1,2,3]triazoles

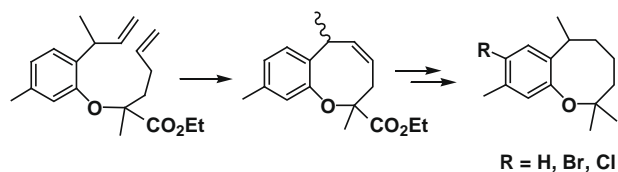
pp 4677–4682

Haribabu Ankati, Ed Biehl *

**Expedient synthesis of helianane and C-10 halogenated heliananes employing ring-closing metathesis**

pp 4683–4684

Subir Sabui, Subrata Ghosh, Debayan Sarkar, Ramanathapuram V. Venkateswaran *



*Corresponding author

Supplementary data available via ScienceDirect

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