■ CURRICULUM VITAE

■ PREFACE

■ PUBLICATIONS

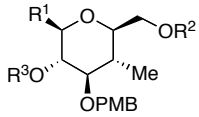
9 **Publications**

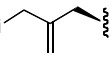
Albert I. Meyers*

■ COMMUNICATIONS

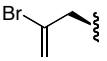
43 **Highly Functionalized Pyrans Designed for Multipoint Side Chain Attachment to the F-Ring Sector of Spongistatin 1 (Altohyrtin A)**

Il Hwan Cho and Leo A. Paquette*



2 R^1= Me_3Si 

R^2=Ac ; R^3=TBS

3 R^1= 

R^2=TBS ; R^3=PMB

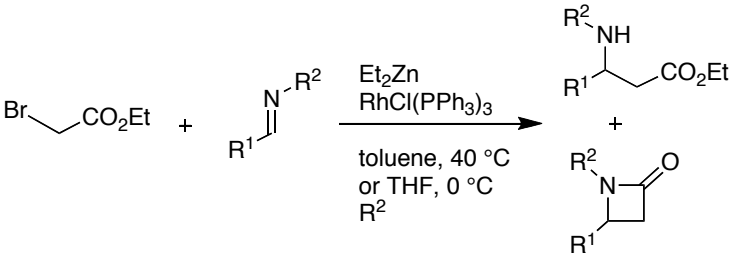
4 R^1= 

R^2=R^3=TBS

D-(+)-Mannose Samarium Iodide Reduction Reductive Deoxygenation Allylsilane Rearrangement Triflate Displacement

47 **Selective Synthesis of β-Amino Esters and β-Lactams by Rhodium-catalyzed Reformatsky-Type Reaction**

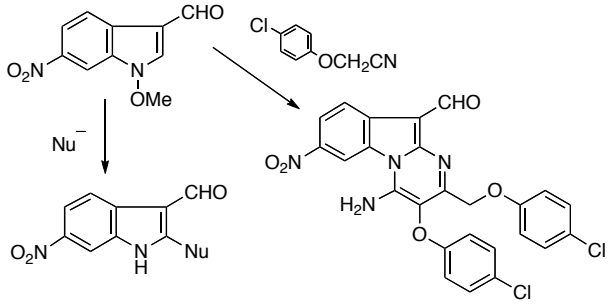
Hitoshi Wakabayashi, Kazuo Kanai, and Toshio Honda*



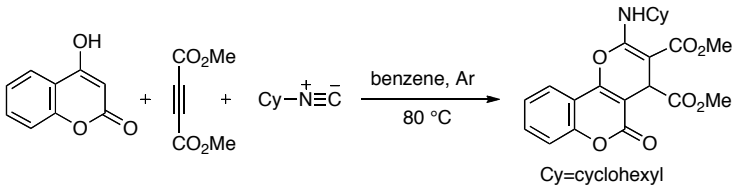
β-Amino Ester β-Lactam Reformatsky Reaction Rhodium Catalyst Wilkinson Catalyst

53 **Nucleophilic Substitution Reactions of 1-Methoxy-6-nitroindole-3-carbaldehyde**

Saori Tomioka, Takei Shiraishi, Fumio Yamada, Koji Yamada, and Masanori Somei*



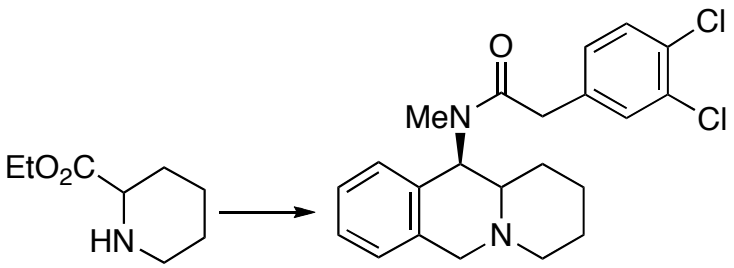
Indoline 1-Hydroxy-6-nitroindole 1-Methoxy-6-nitroindole 2,3,6-Trisubstituted Indole Pyrimido[1,2-*a*]indole



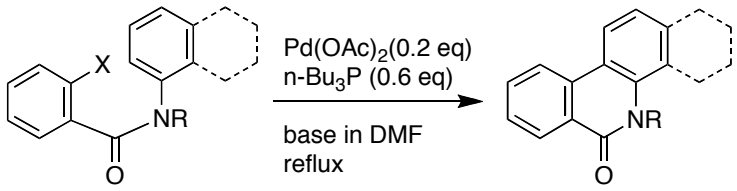
Cy=cyclohexyl

Multicomponent Reaction Zwitterion Isocyanide Protic Nucleophile Pyran Heterocycle

■ **PAPERS**

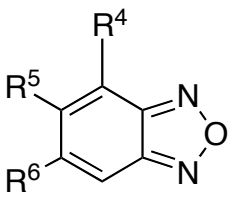


Analgesic κ-Receptor Benzoquinolizidine



X=OTf, Br, I

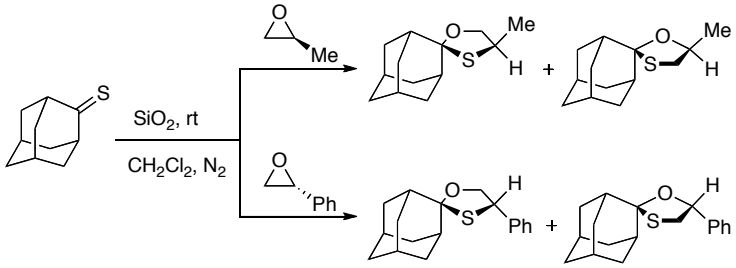
Biaryl Coupling Aromatic Triflate Aromatic Halide Phenanthridone Monodentate Phosphine Ligand



Fluorescent Reagent Fluorescence Quantum Yield Absorption Wavelength Emission Wavelength Solvent Effect

333 **Silica Gel-catalyzed Regio- and Stereoselective Reactions of Thiocarbonyl Compounds with Optically Active Monosubstituted Oxiranes**

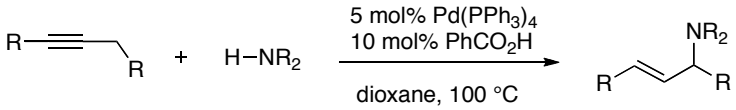
Anthony Linden, Changchun Fu, and Heinz Heimgartner*



1,3-Oxathiolane Thioketone 1,3-Thiazole-5(4*H*)-thione 1,3-Dioxolane Oxirane

347 **Hydroamination of Alkynes Catalyzed by Palladium/ Benzoic Acid**

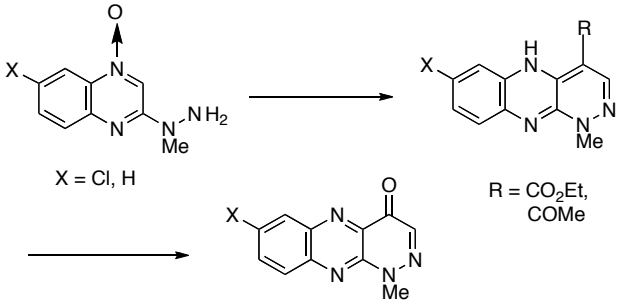
Akinori Shibuya, Isao Kadota, Leopold Mpaka Lutete, and Yoshinori Yamamoto*



Pronucleophile Allylamine Piperidine Pyrrolidine Addition

359 **Quinolone Analogues 5. Synthesis of 1-Methylpyridazino-[3,4-*b*]quinoxalin-4(1*H*)-ones**

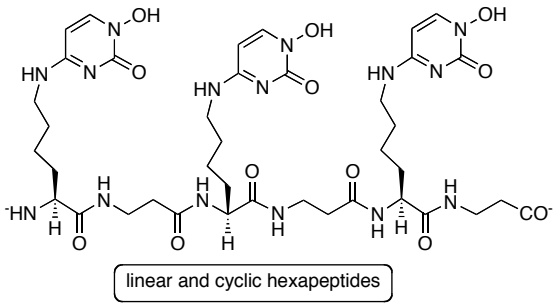
Ho Sik Kim, Yoshihisa Okamoto, Ayaka Kawase, Yuka Maesaki, Jun Takizawa, and Yoshihisa Kurasawa*



Quinoxaline *N*-Oxide Oxidation Nitrous Acid Selenium Dioxide Ethoxymethylenemalonate

371 **Synthesis of Linear and Cyclic Hexapeptides with N^{ε}-(1,2-Dihydro-1-hydroxy-2-oxopyrimidin-4-yl)-L-lysyl-β-alanyl as the Repeating Unit and Properties of Their Iron(III) Complexes**

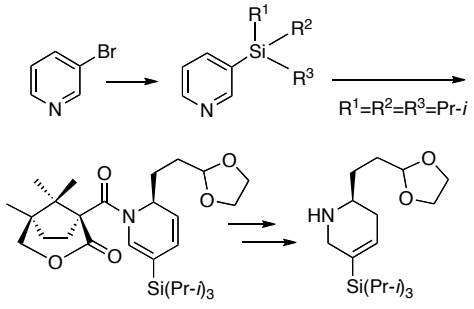
Ryota Saito, Junko Ohkanda, Yasushi Hikita, Hitoshi Nagashima, Yuichi Inoue, and Akira Katoh*



Hydrogen Bond Stability Constant Absolute Configuration Iron(III) Removal Transferrin

383 **Synthesis of Sterically Demanding 3-Silylpyridines and Their Use in Asymmetric Synthesis with Chiral *N*-Acyliminium Ions**

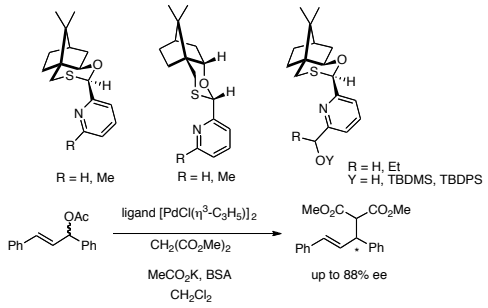
Kurt Polborn, Jörg Pabel, Cornelia E. Hoesl, and Klaus T. Wanner*



α-Amidoalkylation Dienamide Reduction 1,2-Dihydropyridine *N*-Acylpyridinium Ion Trimethylsilyl Triflate

457 **New Chiral Ligands, Pyridinooxathianes, for Palladium-catalyzed Asymmetric Allylic Alkylation**

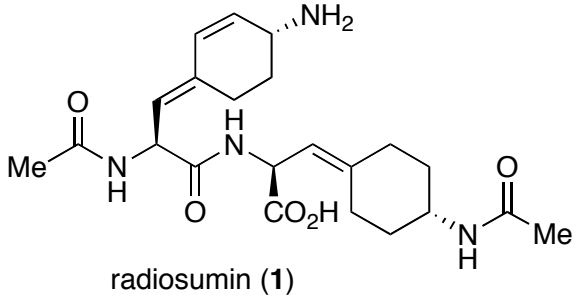
Hiroshi Hongo, Kouichi Takahashi, Erica Nozawa, Chizuko Kabuto, Yuko Okuyama, and Hiroto Nakano*



C-C Bond Formation Pd-Catalyzed Allylation S-N Typed Ligand Pyridinooxathiane 10-Mercaptoisoborneol

471 **Total Synthesis and Absolute Configuration of Radiosumin, a Strong Trypsin Inhibitor from the Blue-Green Alga *Plectonema radiosum***

Toyohiko Aoyama, Hirohide Noguchi, and Takayuki Shioiri*

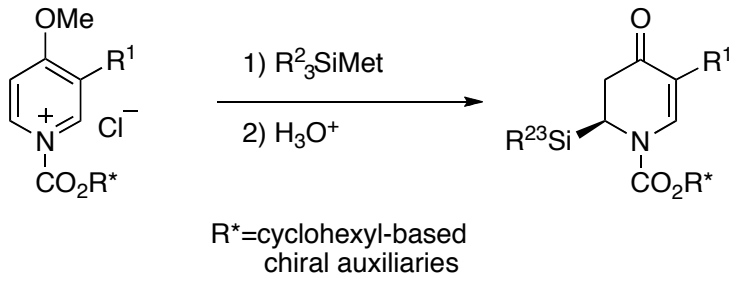


radiosumin (**1**)

Dipeptide Hetero Diels-Alder Reaction Unusual Amino Acid

505 **Synthesis and Reactions of Enan-tiopure 1-Acyl-2-[triaryl(alkyl)silyl]-2,3-dihydro-4-pyridones**

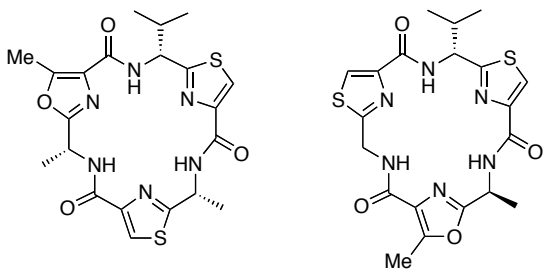
Emmanuel Zeller, Emilie Despagnet, Michael O. Killpack, and Daniel L. Comins*



Dihydropyridone Asymmetric Synthesis 1-Acylpyridinium Salt Stereoselectivity Conjugate Addition

521 **Dendroamide A, Nostocyclamide and Related Cyclopeptides from Cyanobacteria. Total Synthesis, together with Organised and Metal-templated Assembly from Oxazole and Thiazole-based Amino Acids**

Anna Bertram and Gerald Pattenden*

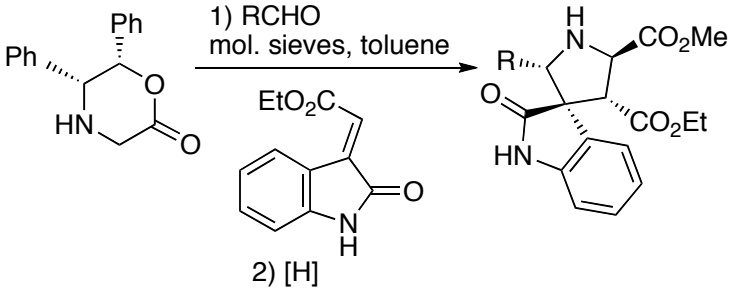


dendroamide A nostocyclamide

Cyclooligomerisation

563 **The Synthesis of Spirooxindole Pyrrolidines *via* an Asymmetric Azomethine Ylide [1,3]-Dipolar Cycloaddition Reaction**

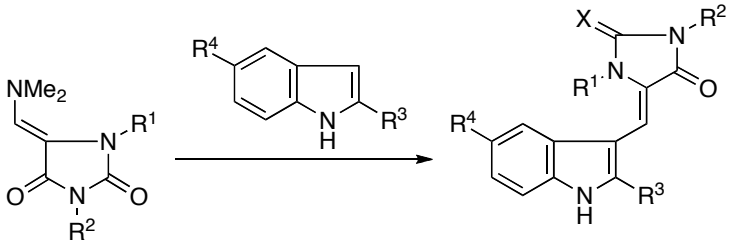
Paul R. Sebahar and Robert M. Williams*



Spirotryprostatin B Diphenylmorpholinecarboxylate Oxindolylideneacetate Asymmetric Synthesis Amino Acid

577 **A Synthesis of Some Novel 2-Phenyl- and 5-Bromo-substituted Aplysinopsin Analogues**

Simon Recnik, Lovro Selic, and Branko Stanovnik*

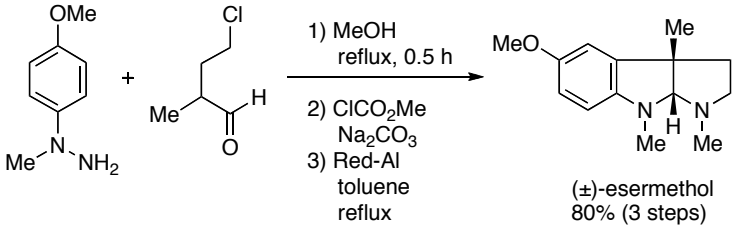


R^1, R^2 = H, Me; R^3 = H, Ph; R^4 = H, Br; X = O, S

Aplysinopsin Enamine Hydantoin Indole

587 **Simple Synthesis of Racemic Pyrrolo[2,3-*b*]indoles: Formal Total Synthesis of (±)-Physostigmine**

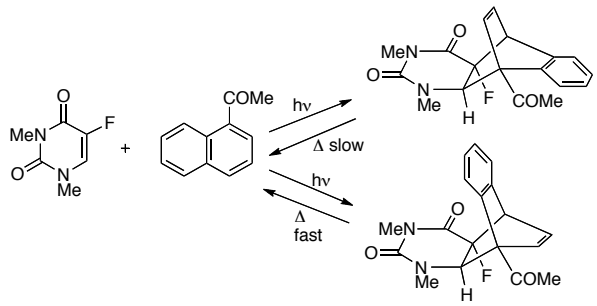
Masako Nakagawa, Riichiro Tsuji, and Atsushi Nishida*



(±)-Esermethol Alzheimer's Disease Fischer Indole Synthesis Cyclization Acetylcholinesterase Inhibitor

595 **Thermodynamically Controlled Photocycloaddition of 5-Fluoro-1,3-dimethyluracil to Naphthalenes**

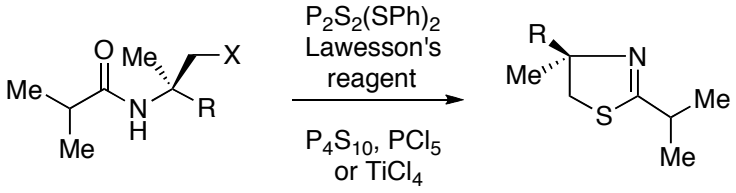
Yuji Kuge, Ken-ichi Nishijima, Akiyo Sakushima, Tatsuyuki Sugaoi, Kazue Ohkura, and Koh-ichi Seki*



1,4-Cycloaddition Photochromic Process 5-Fluoro-1,3-dimethyluracil 1-Acetonaphthone *trans*-Ethenobenzo[*f*]quinazoline

601 **Thiazoline Ring Formation from 2-Methylcysteines and 2-Halomethylalanines**

Brant L. Kedrowski and Clayton H. Heathcock*



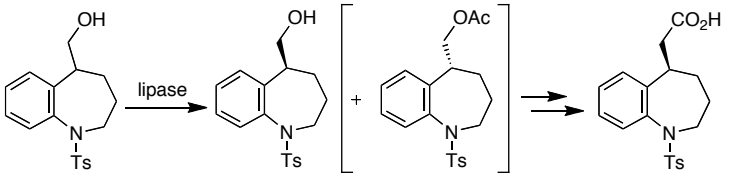
X = Cl, I, SR'
R = CO_2Me, oxazole

Cyclodehydration Cyclization Peptide Thionation

■ NOTES

635 **An Efficient Synthesis of a Key Intermediate for Vasopressin V_2 Receptor Agonist OPC-51803 by Lipase-catalyzed Enantioselective Transesterification**

Fujio Tabusa, Minoru Uchida, Masaru Kido, Masahiko Bando, Makoto Komatsu, Yoshikazu Kawano, Seiji Morita, Jun Matsubara, Kazuyoshi Kitano, and Tadaaki Ohtani*

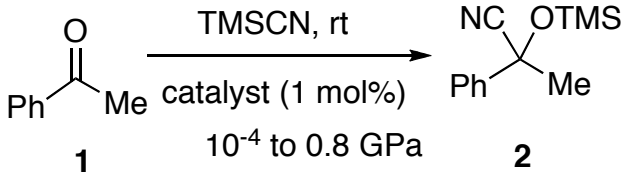


key intermediate for OPC-51803

Kinetic Resolution Benzazepine Primary Alcohol Chiral Carbon Atom Preparative Scale

645 **Asymmetric Trimethylsilylcyanation of Acetophenone Catalyzed by Cinchona Alkaloids**

Jong Chul Kim, Man-Kong Chan, Shu-Sun Chan, Michael C. K. Choi, and Kiyoshi Matsumoto*

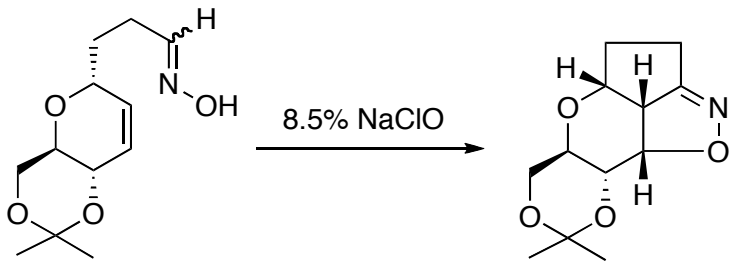


1 **2**

Solvent Effect Effect of Pressure High Pressure Reaction Cyanohydrin Chiral Gas Chromatography

655 **A Concise Synthesis of a Potential Key Intermediate for 12-*epi*-Mycalamide A**

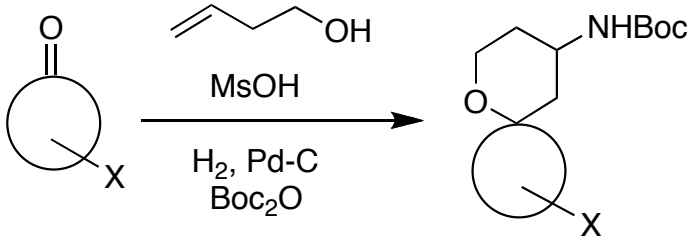
Natsuko Kagawa, Masahiro Toyota, Marcellino Rudyanto, and Masataka Ihara*



Mycalamide A 12-*epi*-Mycalamide A Immunosuppressant Nitrile Oxide Cycloaddition Isoxazoline

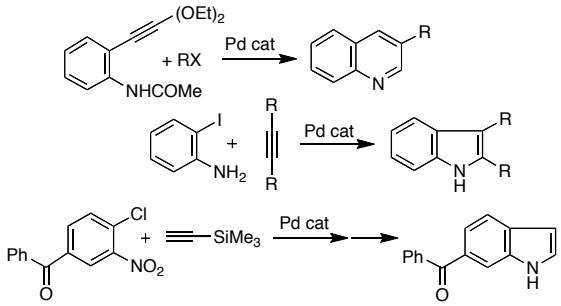
659 **Multicomponent Reactions: Synthesis of Spirocyclic Tetrahydropyran Derivatives by Prins Cyclization**

Gary Schiltz, Dongwoo Shin, and Arun K. Ghosh*



Amine Heterocycle Ketone Mesylate Synthesis

■ REVIEW



Carbopalladation Aminopalladation Coupling Cyclization

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