

■ CURRICULUM VITAE

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- 1 **Curriculum Vitae**  
Albert I. Meyers\*
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■ PREFACE

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- 3 **Preface**  
Peter Beak\*
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- 5 **Tribute to Professor Albert I. Meyers**  
Kiyoshi Tomioka\*
-

## ■ PUBLICATIONS

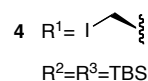
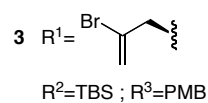
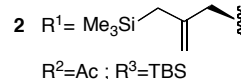
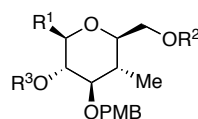
## 9 Publications

Albert I. Meyers\*

## ■ COMMUNICATIONS

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

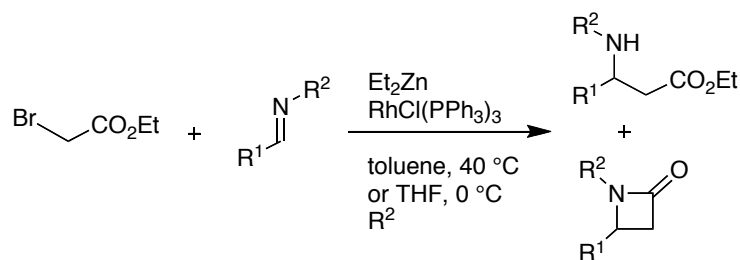
Il Hwan Cho and Leo A. Paquette\*



*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

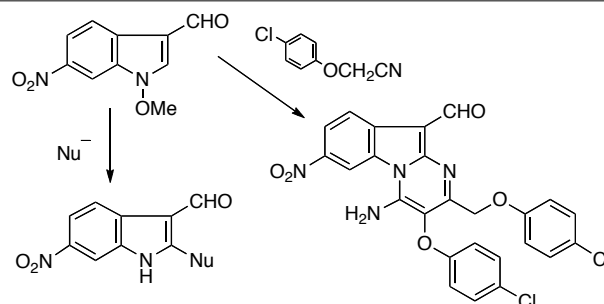
Hitoshi Wakabayashi, Kazuo Kanai, and Toshio Honda\*



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

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

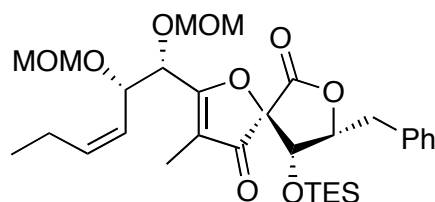
Saori Tomioka, Takei Shiraishi, Fumio Yamada, Koji Yamada, and Masanori Somei\*



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

**57 Stereocontrolled Synthesis of a Highly Functionalized 1,7-Dioxaspiro[4.4]nonane Derivative Related to Antibiotic Pseurotins**

Ken-ichi Takao, Ryota Shiraki, Kazuya Shimizu, Takahiro Ohi, Shin-ya Aoki, and Kin-ichi Tadano\*

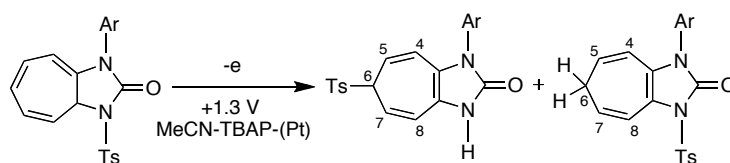


A D-glucose-derived spirocyclic compound for pseurotins synthesis

 Chiral Synthesis     $\gamma$ -Lactam Antibiotic    Aldol Reaction    Benzyl Grignard Reaction    Heterospirocyclic System

**63 Electrochemical Oxidations of 1,3-Dihydro-1,3-diazulones and Effects of Reaction Temperature**

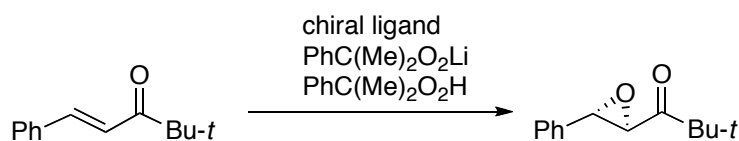
Yasutaka Awadu, Katsuhiko Ono, Takayasu Ido, Hiroyuki Ishiguro, Akiyoshi Kajita, Ayako Kawamura, Yosuke Ueda, and Katsuhiro Saito\*



Nonbenzenoid Aromatic Compound    1,5-Hydrogen Migration    Electrolysis    Reaction Coordinate    OREP Drawing

**71 Chiral Ligand-controlled Catalytic Asymmetric Epoxidation of Enone with Hydroperoxide**

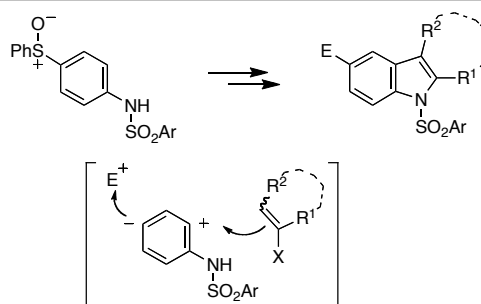
Katsumi Nishimura, Yoshihito Tanaka, and Kiyoshi Tomioka\*



Conjugate Addition    Lithium Cumene Hydroperoxide    Enantioselectivity    Slow Addition    Chiral Ligand

**75 Regioselective Synthesis of 2,3,5-Trisubstituted Indoles from *p*-Sulfinyl-aniline by Dual Use of the Sulfinyl Group**

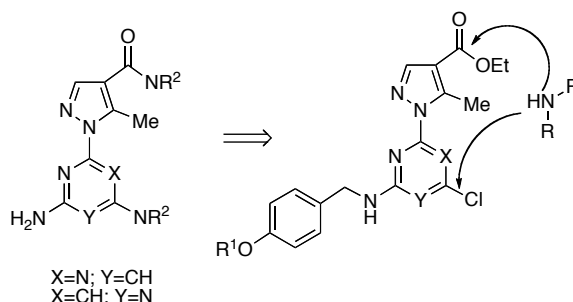
Kiyosei Iio, Yuka Nakamura, Nobuyoshi Morita, Norihito Kawashita, Shuji Akai, and Yasuyuki Kita\*



Aromatic Pummerer-Type Reaction    Ligand Exchange Reaction    Sulfoxide    Indoline

**79 Solid-Phase Synthesis of 2-(4-Carbamoylpyrazolyl)-4-alkylamino-6-aminopyrimidine Derivatives**

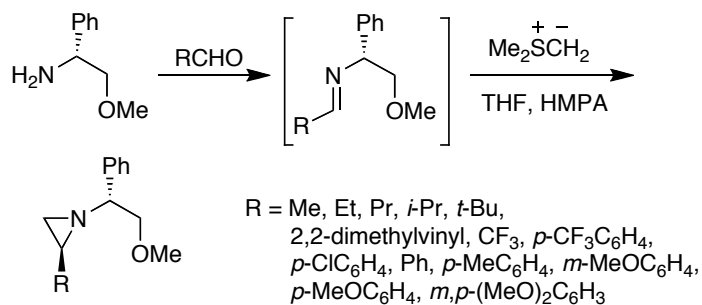
Hiroshi Tanaka, Akio Ejima, Makoto Haruta, and Takashi Takahashi\*



Combinatorial Chemistry    Solid-Phase Synthesis    Chemical Library    Amidation    SN-Ar Reaction

**85 Facile Asymmetric Synthesis of Aziridine Derivatives *via* the Diastereoselective Reaction of Chiral Imines with Dimethylsulfonium Methylide**

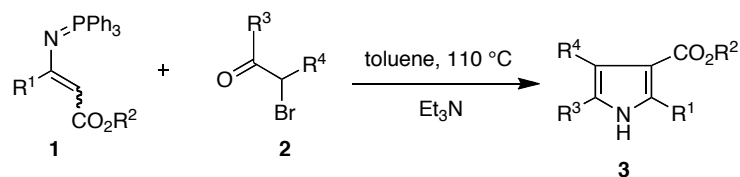
Sigeru Ohmiya, Takayasu Yamauchi, Ayako Shiogama, Masataka Matsumura, and Kimio Higashiyama\*



Chiral Aziridine    Sulfur Ylide    Imine    Phenylglycinol    Chelation

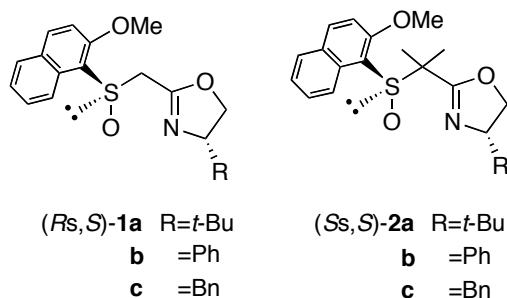
**89 Synthesis of Substituted Pyrroles from *N*-Vinyllic Phosphazenes Derived from  $\beta$ -Amino Acids and  $\alpha$ -Bromo Ketones**

Gloria Rubiales, Esther Herrán, and Francisco Palacios\*


 Pyrrole    Phosphazene     $\beta$ -Amino Acid    Heterocycle    Aza-Wittig Reaction

**93 Cationic Copper(II)-Oxazoline-Sulfoxide Catalysts: Application to Asymmetric Diels-Alder Reactions**

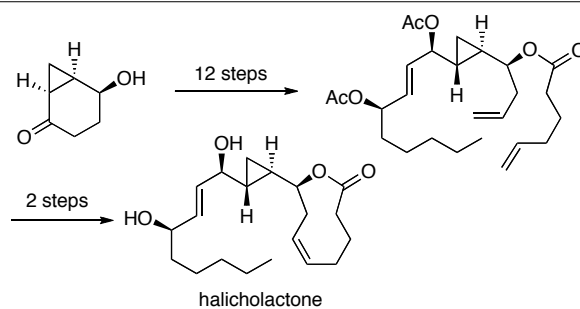
Takashi Hirasawa, Kazuhiro Watanabe, and Kunio Hiroi\*



Asymmetric Reaction    Chiral Ligand    Lewis Acid    [4+2] Cycloaddition

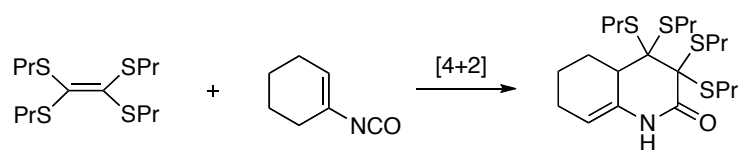
**99 Total Synthesis of (-)-Halicholactone**

Hidenori Watanabe, Taichi Takahashi, and Takeshi Kitahara\*


 Halicholactone    (1*S*,5*S*,6*R*)-5-Hydroxybicyclo[4.1.0]heptan-2-one    RCM Reaction    Oxylipine    5-Lipoxygenase

**105 Mechanistic Studies on the Reactions of Bis(alkylthio)-carbenes with Vinyl Isocyanates**

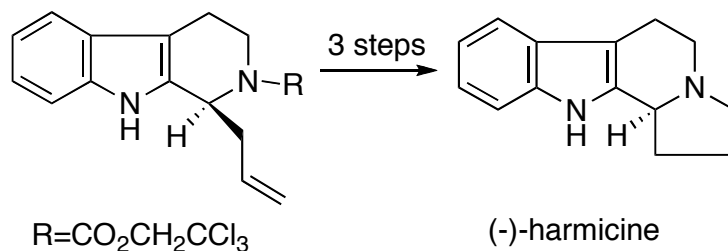
H. Bernhard Schlegel, Nancy A. Neale, and James H. Rigby\*



Cycloaddition    Nucleophilic Carbene    Computational Method    Pyridone

**115 Concise Syntheses of Harmicine and a Pyrrolidino-isoquinoline Derivative Using Chiral 1-Allyl Adducts of  $\beta$ -Carboline and Isoquinoline as Starting Materials**

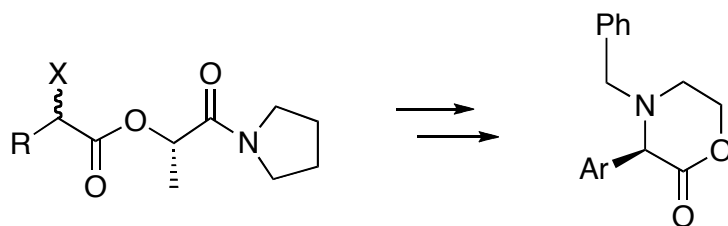
Shigeru Nakamura, Masashi Yokoya, Kazuhiro Nagata, Michiko Miyazaki, Takashi Itoh, and Akio Ohsawa\*



Asymmetric Synthesis    Indole Alkaloid    Isoquinoline Alkaloid    Harmicine    Asymmetric Addition

**119 An Asymmetric Synthesis of 3-Aryl-1,4-oxazin-2-ones: Synthesis of a Key Intermediate of an NK<sub>1</sub> Receptor Antagonist**

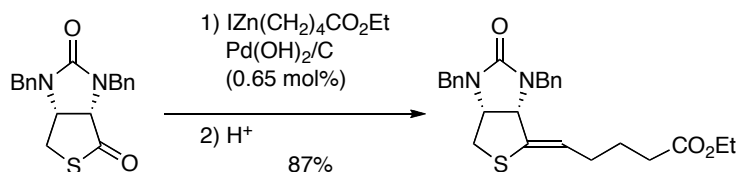
Paul J. Reider, Edward J. J. Grabowski, Bruce S. Foster, and Paul N. Devine\*



Cyclization    Chiral    Oxazinone    Lactamide

**125 A Practical Synthesis of (+)-Biotin through Palladium Hydroxide on Charcoal-catalyzed Fukuyama Coupling Reaction**

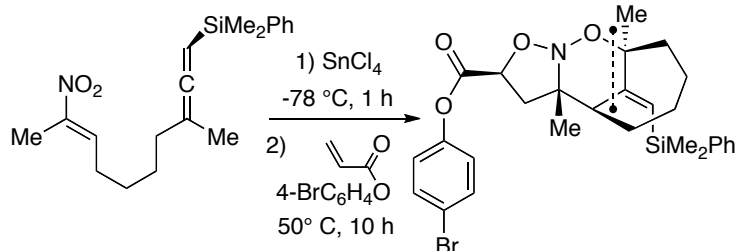
Yoshikazu Mori and Masahiko Seki\*



Pearlman's Catalyst    Zinc Reagent    Vitamin

**129 Inter- and Intramolecular [4+2] Cycloaddition of Nitroalkenes with Allenylsilanes. A Case of Unexpected Regioselectivity**

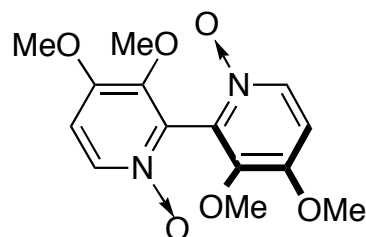
Laurent Gomez and Scott E. Denmark\*



Tandem Cycloaddition    Nitroalkene    Allenylsilane    Nitroso Acetal    Rearrangement

**137 Studies on a Chirality of Orellanine. Spectral Nonequivalence of Atrop-isomers of Tetra-*O*-methylorellanine and Related Compounds Induced by Chiral Solvating Agents**

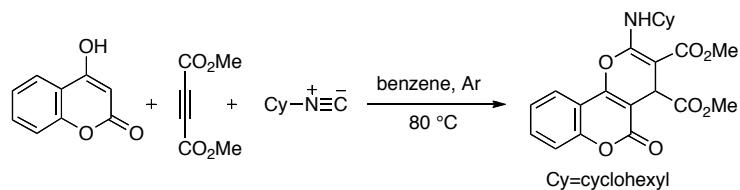
Barbara Nowak-Wydra, Róza Antkowiak, and Wiesław Z. Antkowiak\*



Conformational Enantiomer    NMR Spectrum    Bipyridine Alkaloid    Diastereomeric Solvate    Selected TOCSY

**147 An Efficient Multicomponent Reaction Involving the Interception of the Zwitterionic Intermediate between DMAD and Isocyanides with Some Active Methylene Compounds**

Angele Chiaroni, Saumini Mathew, Luxmi Varma, Rajeev S. Menon, R. Ramesh, A. U. Vinod, and Vijay Nair\*

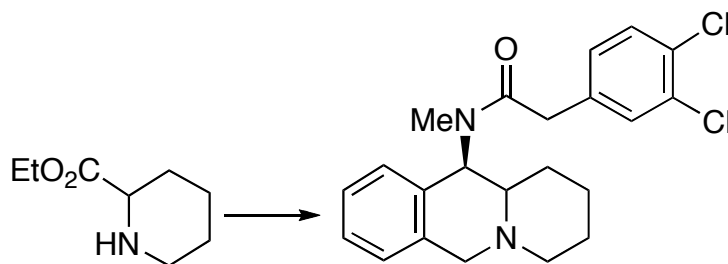


Multicomponent Reaction    Zwitterion    Isocyanide    Protic Nucleophile    Pyran Heterocycle

■ PAPERS

**153 Extension of the SAR in the 1,2-Diaminocyclohexane Phenylacetamide Template**

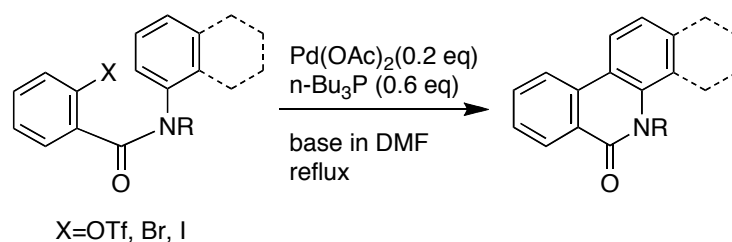
Jeremiah P. Freeman, Stephen A. Mizsak, Shikai Zhao, and Jacob Szmuszkovicz\*



Analgesic     $\kappa$ -Receptor    Benzoquinolizidine

**159 Aryl-Aryl Coupling Reaction Catalyzed by a Palladium Reagent Prepared from Pd(OAc)<sub>2</sub> and n-Bu<sub>3</sub>P**

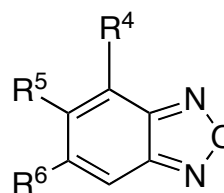
Yasuo Takeuchi, Hitoshi Abe, Toshihiko Akiyama, Yuichiro Nakano, Akihiro Hori, and Takashi Harayama\*



Biaryl Coupling    Aromatic Triflate    Aromatic Halide    Phenanthridone    Monodentate Phosphine Ligand

**165 Synthesis and Fluorescence Properties of 4,5-, 4,6- and 5,6-Disubstituted Benzofurazan (2,1,3-Benzoxadiazole) Compounds**

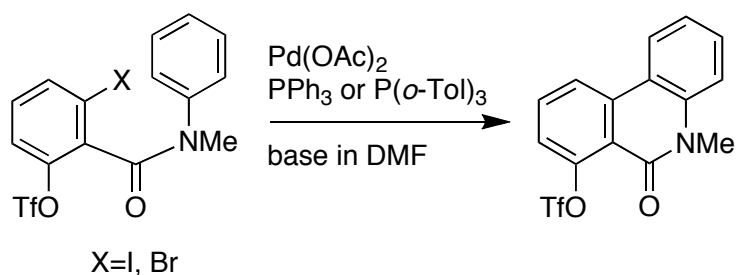
Kazuhiro Imai, Maki Onoda, Seiichi Uchiyama, Natsuko Okiyama, and Tomofumi Santa\*



Fluorescent Reagent    Fluorescence Quantum Yield    Absorption Wavelength    Emission Wavelength    Solvent Effect

**175 Studies on the Selective Intramolecular Biaryl Coupling Reaction of 2-Triflyloxy-6-halobenzanilides Using a Palladium Reagent**

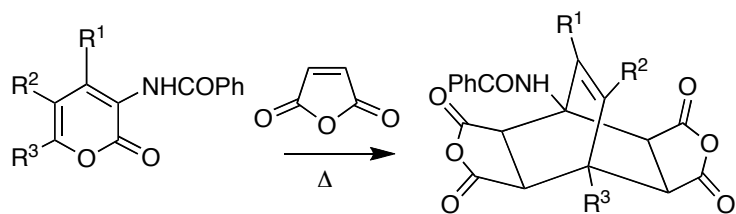
Yasuo Takeuchi, Hitoshi Abe, Hiromi Nishioka, Kyoko Kubota, Hiroko Toko, and Takashi Harayama\*



Substituted Phenanthridone    Selective Coupling    Triflyloxy Group    Halo Group    Palladium

**183 Diels-Alder Cycloaddition of Highly Substituted Pyran-2-ones with Maleic Anhydride**

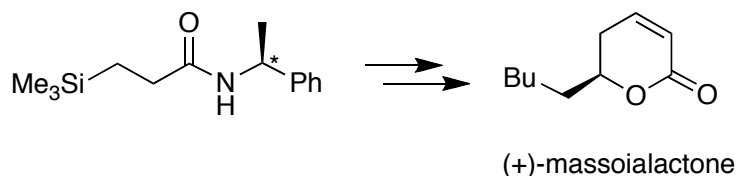
Slovenko Polanc, Ivan Leban, Kristof Kranjc, and Marijan Kočevar\*



Diels-Alder Reaction    Bicyclo[2.2.2]oct-7-ene    Fused Furan    Structural Investigation    Pyran-2-one

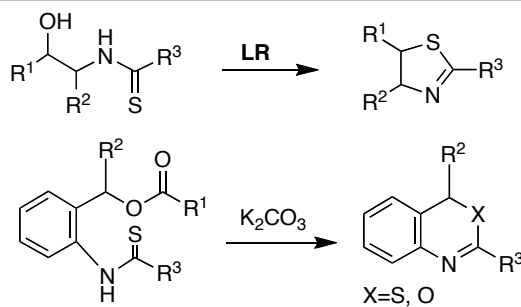
**191 Diastereoselective Reactions of a Homoenate Generated from (S)-N-(1-Phenylethyl)-3-(trimethylsilyl)propanamide: Enantioselective Synthesis of (+)-Massoialactone**

Miharuru Inagaki, Tomoko Utsumi, Ryoko Sakurazawa, Asako Kawatoh, Naoko Sadayori, and Morio Asaoka\*


 $\alpha$ -Silylcarbanion    Dianion    Iodolactonization    Epoxy Ester    2-Penten-5-olide

**203 Sulfur-containing Heterocycles Derived by Reaction of N-Thioacylamino Alcohols with Lawesson's Reagent and Saponification of N-Thioacylamino Esters**

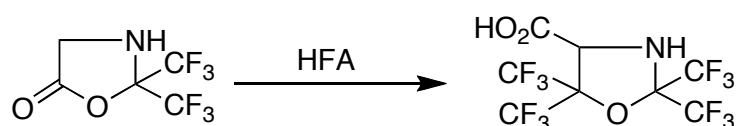
Hiroshi Sekiguchi and Takehiko Nishio\*



Thionation    Lawesson's Reagent    Thiazoline    3,1-Benzothiazine    3,1-Benzoxazine

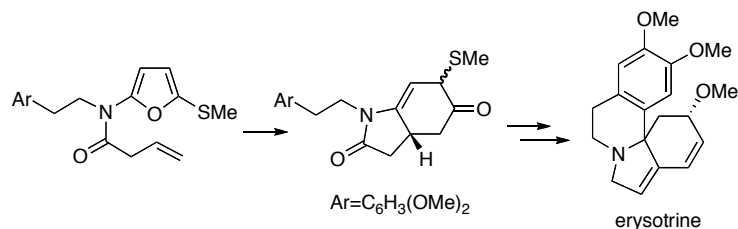
**213 Some Unexpected Reactions of 2,2-Bis(trifluoromethyl)-1,3-oxazolidin-5-ones**

Lothar Hennig, Joachim Sieler, Elisabeth Heistracher, Hartmut Schedel, Gábor Radics, and Klaus Burger\*


 1,3-Oxazolidine-4-carboxylic Acid    2(5*H*)-Furanone    1,3-Dioxolane    5-endo-trig Ring Closure    Retro Ene Reaction

**227 A New Construct of the *cis*-3*a*-Aryloctahydroindole Skeleton via the [4+2] Cycloaddition of Furanyl Carbamates**

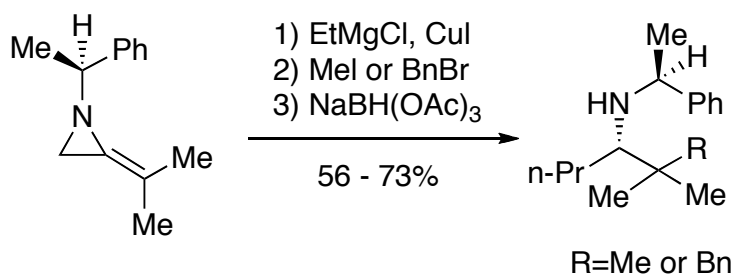
Stephen M. Lynch, Cheryl K. Eidell, and Albert Padwa\*



Amidofuran    Diels-Alder Reaction    Benzoerythrine    Erythrina

**243 Multi-component Reactions of 2-Isopropylideneaziridines: Application to the Synthesis of Enantiopure Neopentylamines**

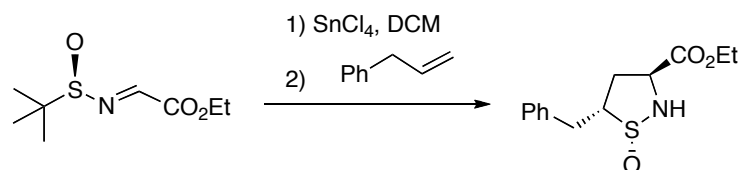
Heather Twin, Alexandra M. Z. Slawin, Jerome F. Hayes, and Michael Shipman\*



Amine    Aziridine    Stereocontrol

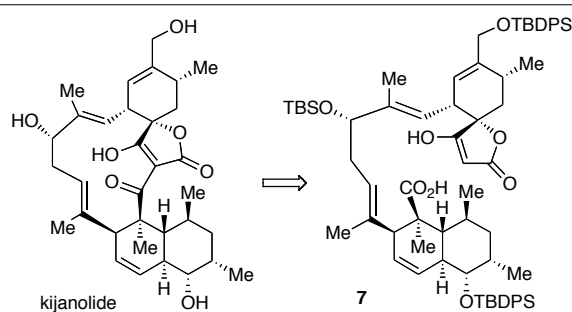
**251 Imino Ene Reactions of Enantiopure *N*-Sulfinylimino Esters: Asymmetric Synthesis of 1-Oxo-1  $\lambda^4$ -isothiazolidine-3-carboxylates**

Donald D. Titus, Reni Joseph, Vaidyanathan Srirajan, Junya Qu, and Franklin A. Davis\*


 Sulfinimine    Strecker Synthesis     $\alpha$ -Amino Acid

**259 Studies on the Synthesis of Kijanolid: Synthesis of an Advanced Seco-acid Intermediate**

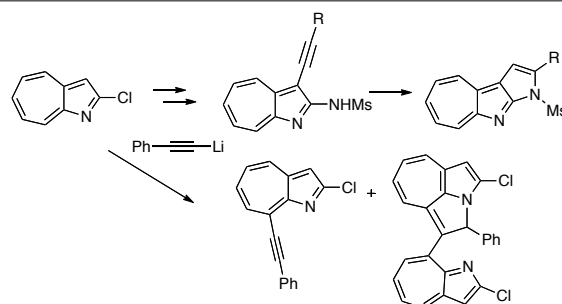
Melissa L. Reilly, Hou Chen, and William R. Roush\*



Spirotetronate Antibiotic    Intramolecular Diels-Alder Reaction    Asymmetric Allylboration    Suzuki Cross-Coupling    Cyclization

**283 Synthesis and Reactions of 3- and 8-Ethynyl-1-azaazulenes**

Akikazu Kakehi, Noritaka Umeda, Hiroyuki Fujii, and Noritaka Abe\*

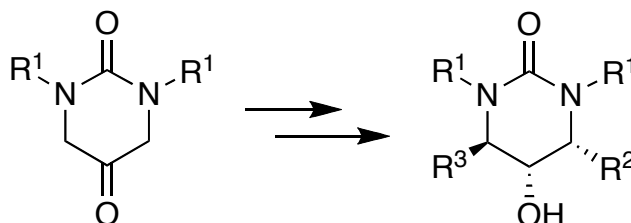


Fused 1-Azaazulene Derivative    Cyclization    Sonogashira-Hagihara Reaction    X-Ray Structure Analysis    Nucleophilic Addition



**293 Asymmetric Synthesis of 4,6-Disubstituted 1,2,3,4,5,6-Hexahydro-5-hydroxypyrimidin-2-ones as Potential HIV-Protease-Inhibitors**

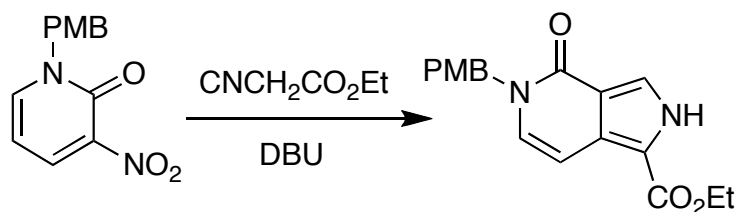
Lars Wortmann and Dieter Enders\*



AIDS    Hydrazone    Asymmetric Synthesis    HIV    Protease

**301 Preparation of Novel Heteroisindoles from Nitropyridines and Nitropyridones**

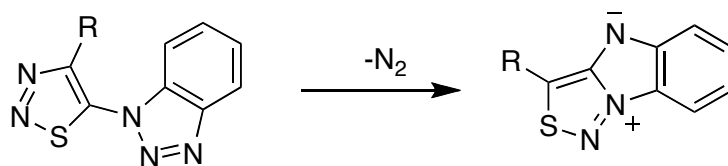
Hidemitsu Uno, Ryuji Tamai, Atsushi Kato, Ken-ichi Nakamoto, Keiji Nishi, Takashi Murashima, and Noboru Ono\*



Barton-Zard Pyrrole Synthesis    Pyrrole Fused with Heteroarene    Imidazole    Tandem Cyclization

**311 4*H*-[1,2,3]-Thiadiazolo[3,4-*a*]benzimidazoliumides**

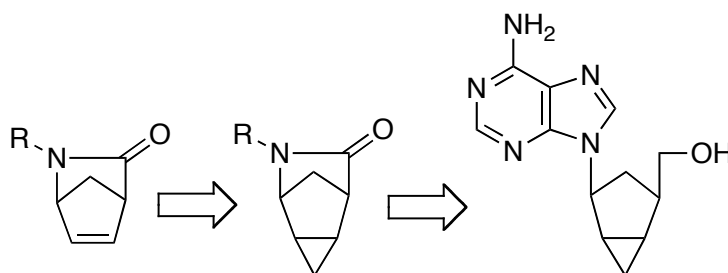
Peter J. Steel, Dmytro O. Tymoshenko, George N. Nikonov, and Alan R. Katritzky\*



1,2,3-Thiadiazole    Rearrangement    Zwitter-ion    4*H*-[1,2,3]Thiadiazolo[3,4-*a*]benzimidazolo-2-ium-4-ide    Thiirene

**317 Preparation of 2',3'-Methano-carbocyclic Nucleosides through the Addition of Diazomethane to 2-Azabicyclo-[2.2.1]hept-5-en-3-one**

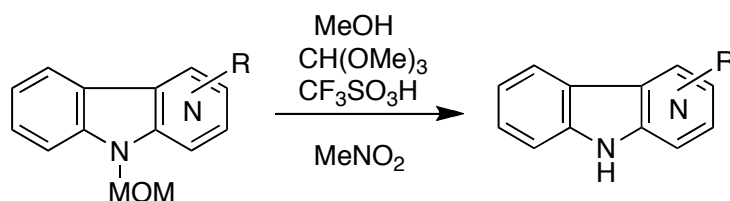
Nobuya Katagiri, Atsushi Murakami, and Minoru Ishikura\*



ABH    Adenosine    Palladium Catalyst    Cyclopropane    Bicyclo[3.1.0]hexane

**325 A New Deprotection Procedure for the *N*-Methoxymethyl Group of *N*-Methoxymethyl-heterocyclic Compounds**

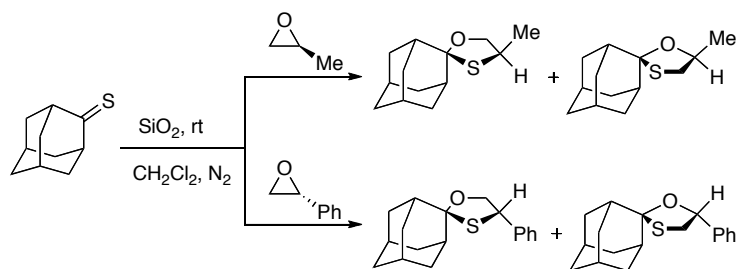
Tominari Choshi, Junko Nobuhiro, Maho Hirayama, Miyako Fukui, Takeshi Kuwada, and Satoshi Hibino\*



*N*-Methoxymethyl Group    Deprotection    Procedure    Carboline    *N*-Heterocyclic Compound

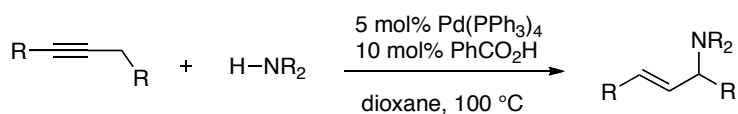
**333 Silica Gel-catalyzed Regio- and Stereoselective Reactions of Thiocarbonyl Compounds with Optically Active Monosubstituted Oxiranes**

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**

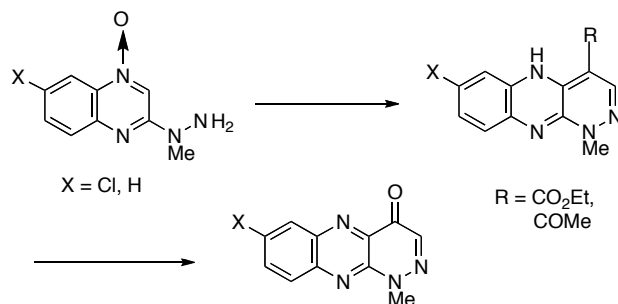
Akinori Shibuya, Isao Kadota, Leopold Mpaka Lutete, and Yoshinori Yamamoto\*



Pronucleophile    Allylamine    Piperidine    Pyrrolidine    Addition

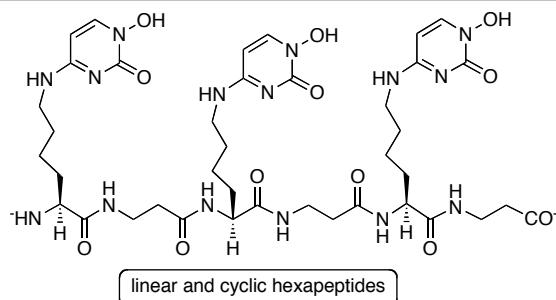
**359 Quinolone Analogues 5. Synthesis of 1-Methylpyridazino-[3,4-*b*]quinoxalin-4(1*H*)-ones**

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<sup>ε</sup>-(1,2-Dihydro-1-hydroxy-2-oxopyrimidin-4-yl)-L-lysyl-β-alanyl as the Repeating Unit and Properties of Their Iron(III) Complexes**

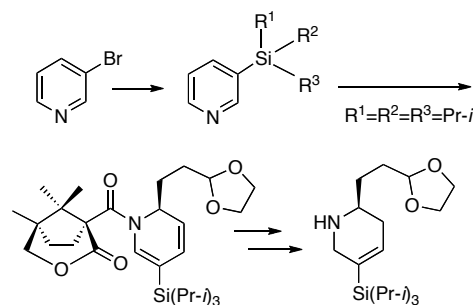
Ryota Saito, Junko Ohkanda, Yasushi Hikita, Hitoshi Nagashima, Yuichi Inoue, and Akira Katoh\*



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

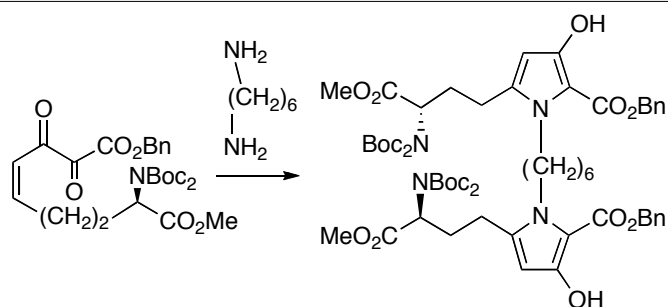
**383 Synthesis of Sterically Demanding 3-Silylpyridines and Their Use in Asymmetric Synthesis with Chiral *N*-Acylium Ions**

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


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

**393 Formation of Heterocyclic Derivatives of  $\alpha$ -Amino Acids Using Vicinal Tricarbonyl Methodology**

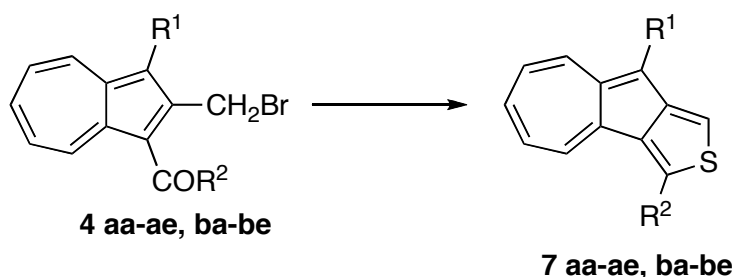
Jonathan Parr, Rui Zhang, Yun Oliver Long, and Harry H. Wasserman\*



Diylide Aspartic Acid Glutaric Acid

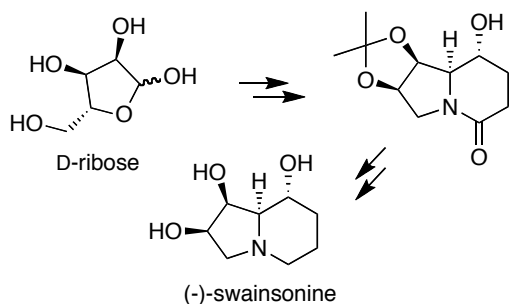
**405 A New Synthetic Approach to Azuleno[1,2-*c*]thiophenes**

Dao-Lin Wang and Kimiaki Imafuku\*


 1-Acyl-2-bromomethylazulene Thioacetamide Cyclization Heterocycle-fused Azulene Azuleno[1,2-*e*]thiophene

**421 A Synthesis of (1*S*,2*R*,8*R*,8*a**R*)-8-Hydroxy-1,2-(isopropylidenedioxy)indolizidin-5-one from D-Ribose: Improved Access to (-)-Swainsonine and Its Analogs**

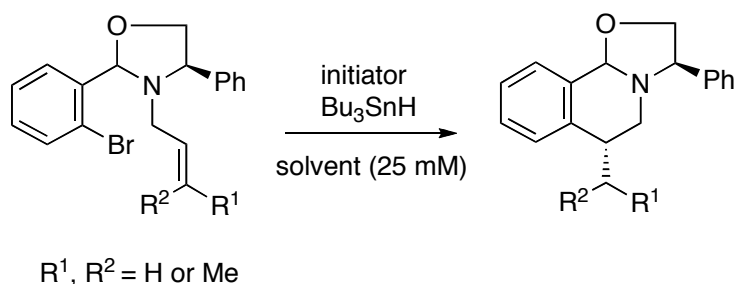
Jeremiah D. Powers, Yi Ren, and William H. Pearson\*



Claisen Rearrangement Sharpless Asymmetric Dihydroxylation Reductive Amination Mannosidase Inhibitor

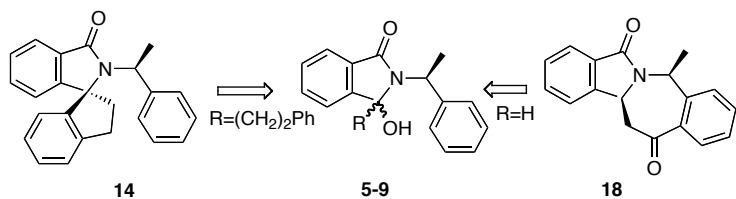
**431 Aryl Radical Cyclization of Chiral 3-Allyl-2-(2-bromophenyl)-1,3-oxazolidines with Tributyltin Hydride**

Jumpei Sugiyama, Takayasu Yamauchi, and Kimio Higashiyama\*


 1,2,3,4-Tetrahydroisoquinoline Phenylglycinol Stereoselectivity Oxazolidine Oxazolo[2,3-*a*]tetrahydroisoquinoline

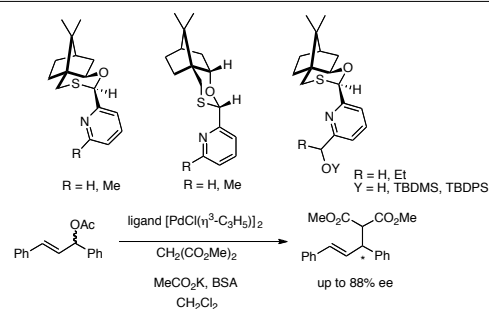
**449 Studies on (1*S*)-*M*-(1-Phenylethyl)phthalimide: Synthesis of Both Chiral Spiro Indane and Benzazepine Derivatives**

Bernard Decroix, Abderrahim Jilale, Abderrahim Chihab-Eddine, and Adam Daïch\*


*M*-Acyliminium Ion Cyclization Diastereoselectivity Felkin-Ahn Model Grignard Reaction

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

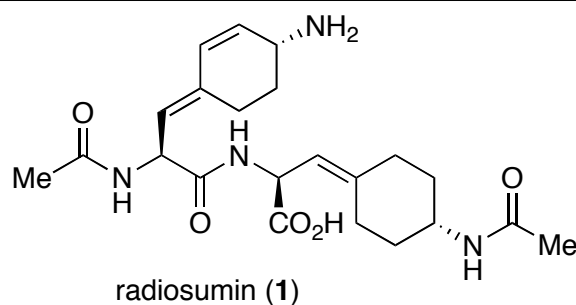
Hiroshi Hongo, Kouichi Takahashi, Erica Nozawa, Chizuko Kabuto, Yuko Okuyama, and Hiroto Nakano\*



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***

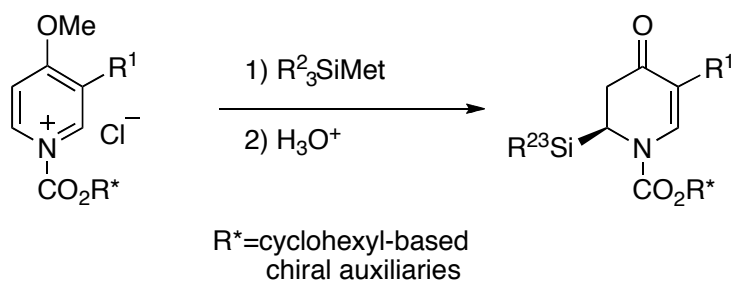
Toyohiko Aoyama, Hirohide Noguchi, and Takayuki Shioiri\*



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**

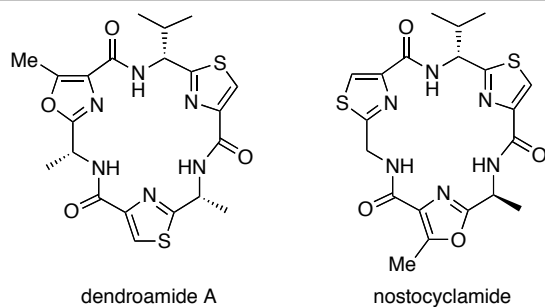
Emmanuel Zeller, Emilie Despagnet, Michael O. Killpack, and Daniel L. Comins\*



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**

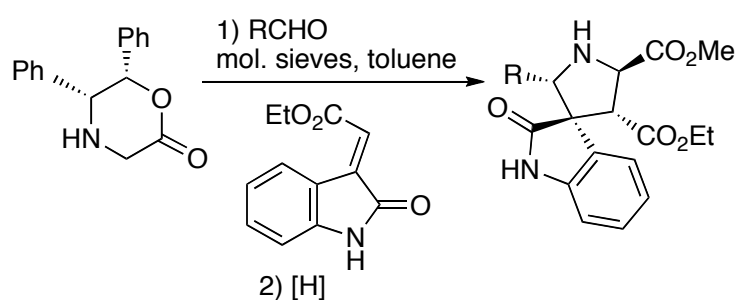
Anna Bertram and Gerald Pattenden\*



Cyclooligomerisation

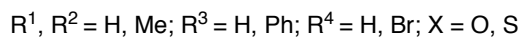
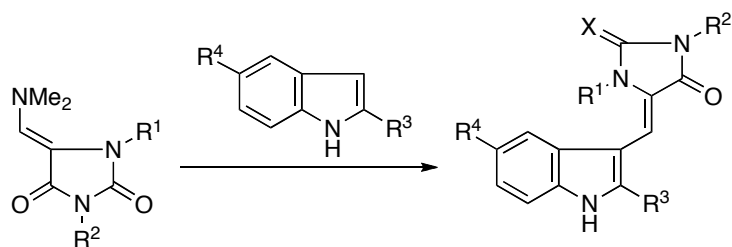
**563 The Synthesis of Spirooxindole Pyrrolidines via an Asymmetric Azomethine Ylide [1,3]-Dipolar Cycloaddition Reaction**

Paul R. Sebahar and Robert M. Williams\*



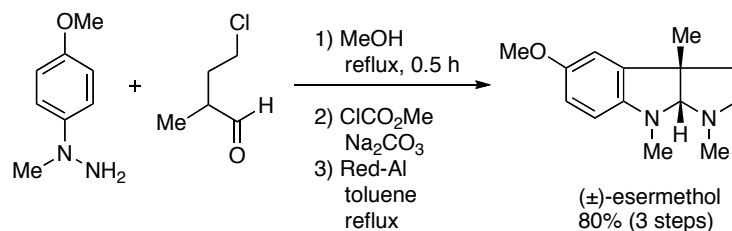
Spirotryprostatin B    Diphenylmorpholinecarboxylate    Oxindolylideneacetate    Asymmetric Synthesis    Amino Acid

- 577 **A Synthesis of Some Novel 2-Phenyl- and 5-Bromo-substituted Aplysinopsin Analogues**  
 Simon Rečnik, Lovro Selic, and Branko Stanovnik\*



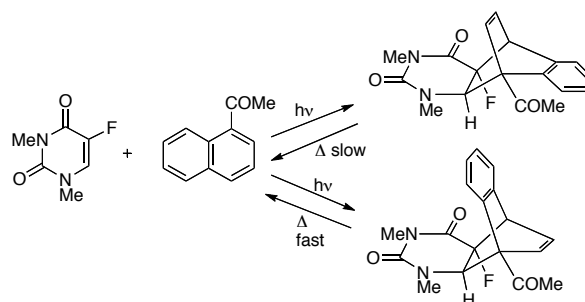
Aplysinopsin    Enamine    Hydantoin    Indole

- 587 **Simple Synthesis of Racemic Pyrrolo[2,3-*b*]indoles: Formal Total Synthesis of (±)-Physostigmine**  
 Masako Nakagawa, Riichiro Tsuji, and Atsushi Nishida\*



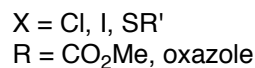
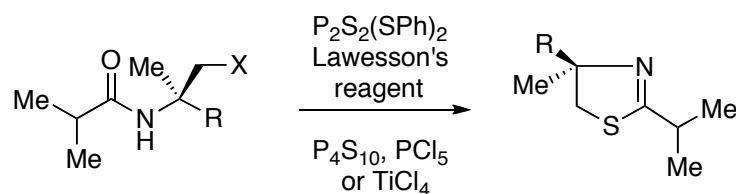
(±)-Esermethol    Alzheimer's Disease    Fischer Indole Synthesis    Cyclization    Acetylcholinesterase Inhibitor

- 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[7]quinazoline

- 601 **Thiazoline Ring Formation from 2-Methylcysteines and 2-Halomethylalanines**  
 Brant L. Kedrowski and Clayton H. Heathcock\*

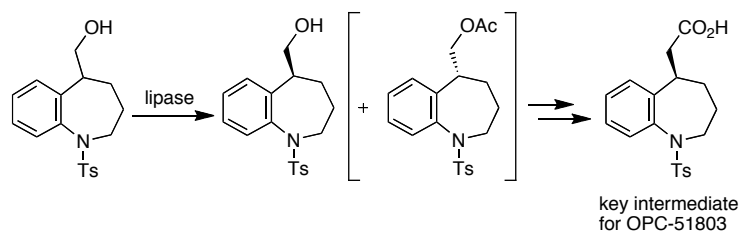


Cyclodehydration    Cyclization    Peptide    Thionation

## ■ NOTES

**635 An Efficient Synthesis of a Key Intermediate for Vasopressin V<sub>2</sub> Receptor Agonist OPC-51803 by Lipase-catalyzed Enantioselective Transesterification**

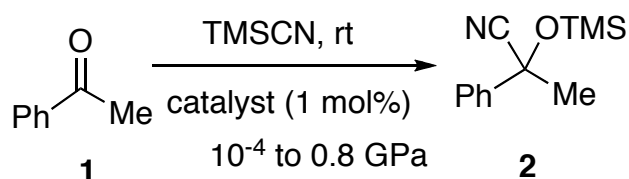
Fujio Tabusa, Minoru Uchida, Masaru Kido, Masahiko Bando, Makoto Komatsu, Yoshikazu Kawano, Seiji Morita, Jun Matsubara, Kazuyoshi Kitano, and Tadaaki Ohtani\*



Kinetic Resolution    Benzazepine    Primary Alcohol    Chiral Carbon Atom    Preparative Scale

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

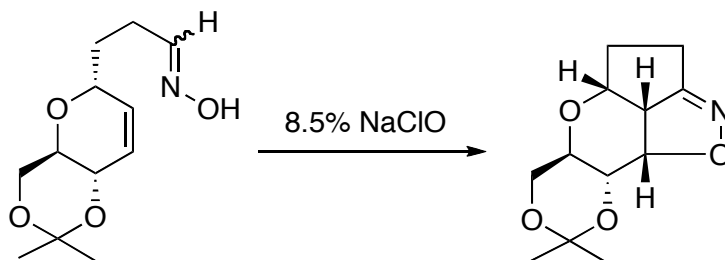
Jong Chul Kim, Man-Kong Chan, Shu-Sun Chan, Michael C. K. Choi, and Kiyoshi Matsumoto\*



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**

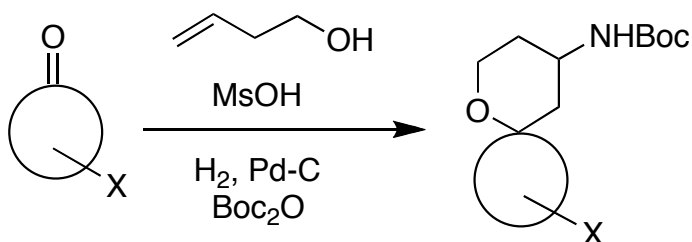
Natsuko Kagawa, Masahiro Toyota, Marcellino Rudyanto, and Masataka Ihara\*



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\*

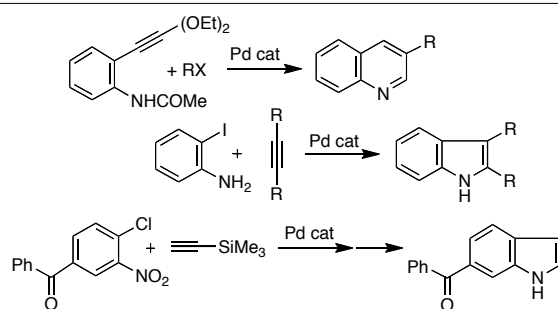


Amine    Heterocycle    Ketone    Mesylate    Synthesis

■ REVIEW

667 Nitrogen-containing Heterocycles *via* Palladium-catalyzed Reaction of Alkynes with Organic Halides or Triflates

Luca M. Parisi, Giancarlo Fabrizi, and Sandro Cacchi\*



Carbopalladation    Aminopalladation    Coupling    Cyclization

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