

■ CELEBRATION OF PROFESSOR ISAO KUWAJIMA

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- 1 **Preface to Heterocycles Issue**  
**Honoring the 77th Birthday of Professor Isao Kuwajima**  
Eiichi Nakamura\*

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- 3 **Preface to Heterocycles Issue**  
**Honoring the 77th Birthday of Professor Isao Kuwajima**  
Keiji Tanino\*
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■ CURRICULUM VITAE

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- 6 **Curriculum Vitae**  
Isao Kuwajima\*
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■ PUBLICATIONS

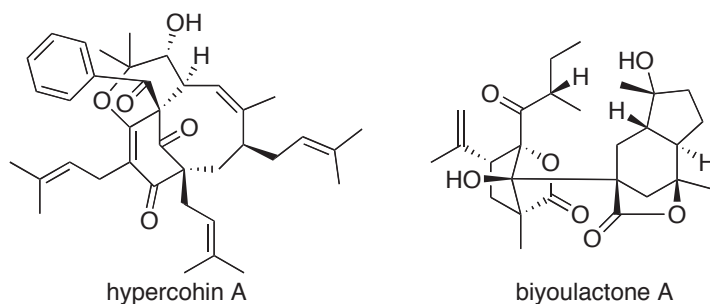
7 List of Publication

Isao Kuwajima\*

■ REVIEWS

23 Prenylated Acylphloroglucinols and Meroterpenoids from *Hypericum* Plants

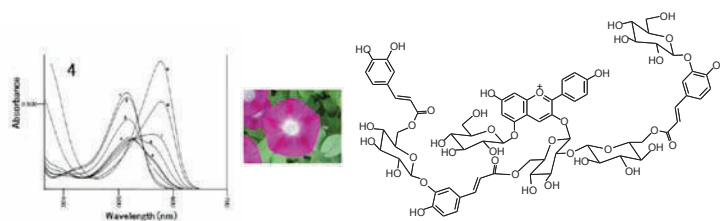
Naonobu Tanaka and Jun'ichi Kobayashi\*



Prenylated Phloroglucinol    Meroterpenoid    *Hypericum* Plant

41 Light Absorption Spectral Patterns of Intact Garden Flowers in Relation to the Flower Colors and Anthocyanin Pigments

Norio Saito, Fumi Tatsuzawa,\* and Toshio Honda



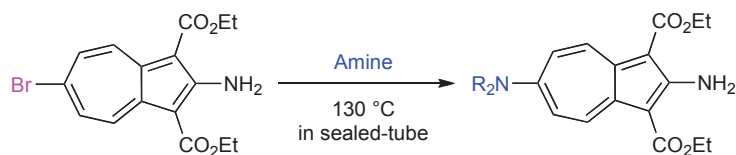
Electronic spectra of ipomoea red anthocyanin 1

Anthocyanin Pigment    Intra- and Intermolecular Co-pigmentation    Self Association    Light Absorption Spectral Pattern    Flower Color

## ■ COMMUNICATIONS

**85 Synthesis of 2,6-Diaminoazulenes by the  $S_NAr$  Reaction with Cyclic Amines**

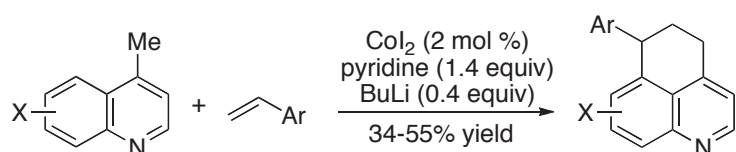
Taku Shoji,\* Yuki Fujiwara, Akifumi Maruyama, Mitsuhsa Maruyama, Shunji Ito, Masafumi Yasunami (the late), Ryuji Yokoyama, and Noboru Morita



Azulene    Amination    Aromatic Nucleophilic Substitution

**89 Cobalt-Catalyzed C5-Selective C-H Functionalization of 4-Me-Quinolines with Styrenes: An Approach to 5,6-Dihydro-4*H*-benzo[*d*h]quinolines**

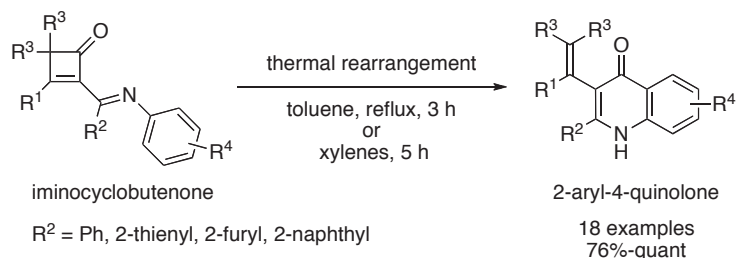
Shohei Yamamoto, Shigeki Matsunaga,\* and Motomu Kanai\*



C-H Functionalization    Cobalt Catalyst    Quinoline    Transition Metal Catalysis    Synthetic Method

**97 2-Aryl-4-quinolone Synthesis Using the Thermal Rearrangement of Iminocyclobutenones**

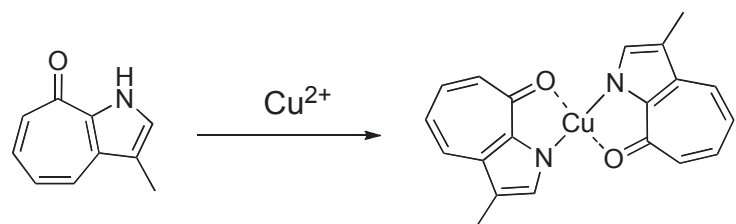
Iwao Hachiya, Keiichi Yokoyama, Akinori Ito, and Makoto Shimizu\*



4-Quinolone    Iminocyclobutenone    Thermal Rearrangement    Alkynyl Imine    Conjugate Addition Reaction

**104 Crystal Structures of 3-Methylpyrrolo[2,3-*b*]tropone and Its Copper(II) Complex**

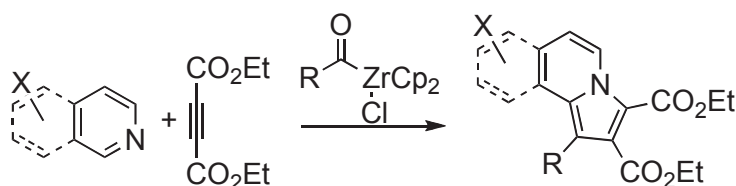
Kanji Kubo,\* Taisuke Matsumoto, Keiko Ideta, and Akira Mori



Troponoid    Pyrrolo[2,3-*b*]tropone    Cu(II) Complex    Crystal Structure    X-Ray Analysis

**108 Three-Component Synthesis of Indolizines from Azaaromatic-Acetylenedicarboxylate Zwitterions with Acylzirconocene Chloride Complexes**

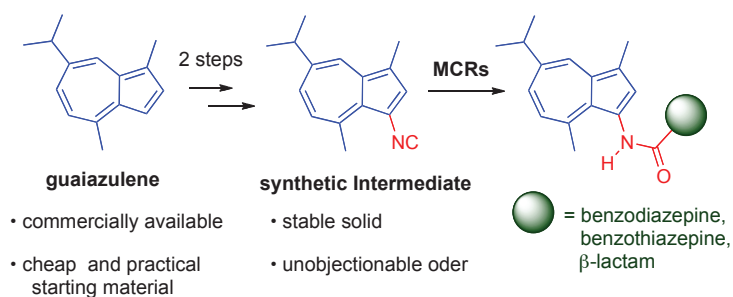
Akio Saito,\* Naoki Yamashita, Kohei Sudo, and Yuji Hanzawa



Acylzirconocene Chloride    Azaaromatic Compound    Nucleophilic Addition    Three-Component Synthesis    Zwitterion

**113 Facile Synthesis of Guaiazulene-Heterocycle Hybrids via Ugi Multicomponent Reactions**

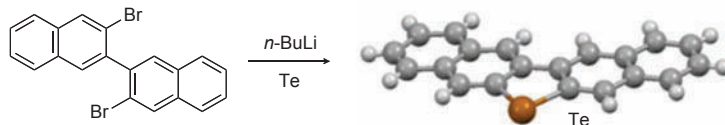
Naoko Takenaga,\* Koh Fukazawa, Miki Maruko, and Koichi Sato\*



Guaiazulene    Isocyanide    Multicomponent Reaction    Ugi Reaction

**121 Synthesis and Structural Characterization of a Novel Organotellurium Compound: Dinaphtho[2,3-*b*;2',3'-*d'*]-tellurophene**

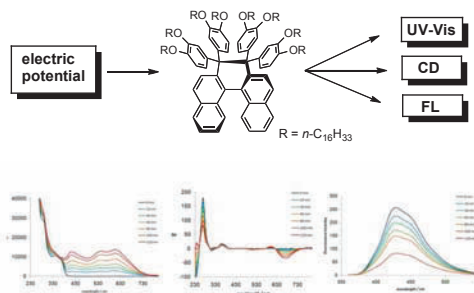
Mio Matsumura, Atsuya Muranaka, Naoki Kakusawa, Jyoji Kurita, Daisuke Hashizume, Masanobu Uchiyama,\* and Shuji Yasuike\*



Dinaphthotellurophene    Tellurium    Planar Structure    Group 16 Element    HOMO-LUMO Gap

**126 Three-Way Output Molecular Response System Based on Tetrakis(3,4-dialkoxypheyl)-3,4-dihydro[5]helicenes: Perturbation of Properties by Long Alkyl Chains**

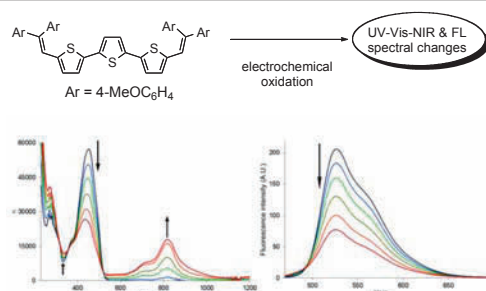
Yusuke Ishigaki, Satoshige Yoshida, Hidetoshi Kawai, Ryo Katoono, Kenshu Fujiwara, Takanori Fukushima, and Takanori Suzuki\*



Redox System    Electrochromism    Long Alkyl Chain    Circular Dichroism    Dihydroxepin

**136 Bis(diarylethenyl)thiophene, -bithiophene, and -terthiophene: A New Series of Violen-Cyanine Hybrid-Type Electron Donors**

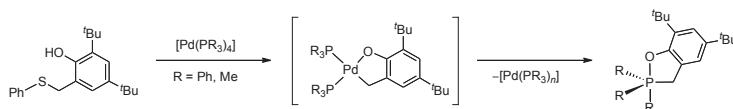
Yusuke Ishigaki, Hidetoshi Kawai, Ryo Katoono, Kenshu Fujiwara, and Takanori Suzuki\*



Electron Donor    Redox System    Electrochromism    NIR    Fluorescence

**144 Palladium(0)-Mediated C–S and O–H Bonds Cleavage Reaction in 2-Hydroxybenzyl Phenyl Sulfide: Formations of Oxyphosphorane and 1,2-Oxapalladacycle**

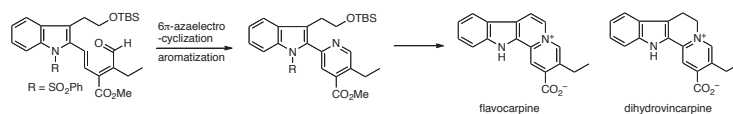
Norio Nakata, Noriyuki Furukawa, Hiroki Kobayashi, Izuru Suzuki, and Akihiko Ishii\*



Oxyphosphorane    Oxapalladacycle

**150 Total Syntheses of Zwitterionic Indole Alkaloids, Flavocarpine and Dihydrovincarpine, by Extended Method for Substituted Pyridine Synthesis through Azaelectrocyclization**

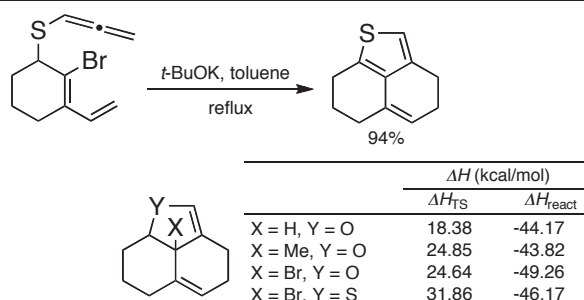
Yoshikatsu Hirose, Hiroshi Tsuchikawa,  
Toyoharu Kobayashi,\* and Shigeo Katsumura\*



Total Synthesis    Zwitterionic Indole Alkaloid    Substituted Pyridine    Azaelectrocyclization

**157 Tandem [4+2] Cycloaddition/Aromatization Sequence of Allenyl 2-Bromo-3-vinylcyclohex-2-enyl Thioether to Naphtho[1,8-*bc*]thiophene**

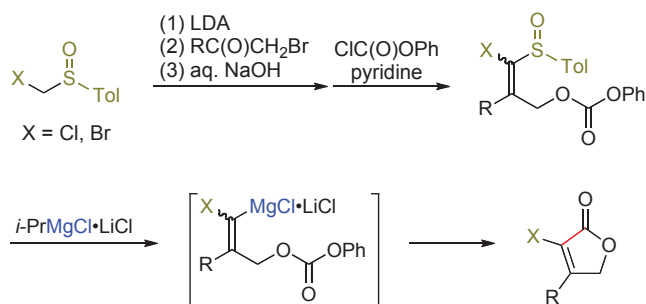
Noriyuki Hatae,\* Aiichirou Kaji, Chiaki Okada, and Eiko Toyota



Naphtho[1,8-*bc*]thiophene    Tandem [4+2] Cycloaddition/Aromatization    Density Functional Study

**163 Synthesis of  $\alpha$ -Halobutenolides Using the Nucleophilicity of Magnesium Alkylidene Carbenoids**

Tsutomu Kimura,\* Kazuki Fukuda, Gaku Kashiwamura, and Tsuyoshi Satoh\*

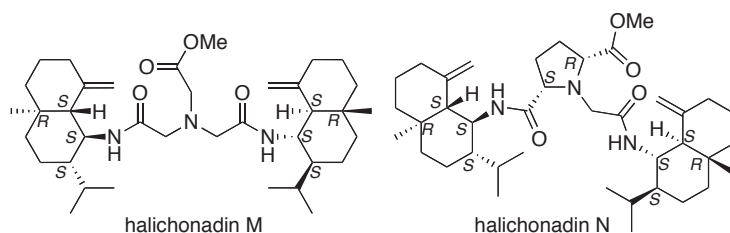


$\alpha$ -Halobutenolide    3-Halofuran-2(5*H*)-one    Cyclization Reaction    Magnesium Alkylidene Carbenoid    Nucleophilicity

■ PAPERS

**173 Halichonadins M-Q, Sesquiterpenes from an Okinawan Marine Sponge *Halichondria* sp.**

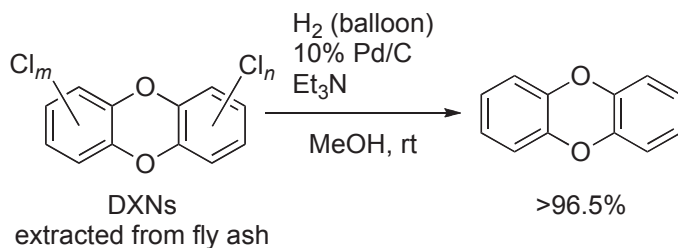
Naonobu Tanaka, Shohei Suto, Miki Asai, Taishi Kusama,  
Azusa Takahashi-Nakaguchi, Tohru Gonoj, Jane Fromont,  
and Jun'ichi Kobayashi\*



Marine Sponge    *Halichondria* sp.    Sesquiterpene    Halichonadins M-Q

**186 Pd/C-Catalyzed Hydrodechlorination of Dioxins from Fly Ash under Ambient Pressure and Temperature**

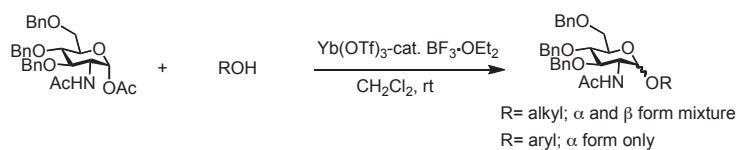
Yasunari Monguchi,\* Akiko Ido, Miki Niikawa, Nobuharu Nagatsu, Ryosuke Mizukoshi, Hisamitsu Nagase, and Hironao Sajiki\*



Hydrodechlorination Reaction    Palladium on Carbon    Dioxin    Fly Ash    Degradation

**198 Formation of 2-Acetamido-2-deoxy-D-glucopyranosidic Linkages *via* Glycosidation Using a Combination of Two Lewis Acids**

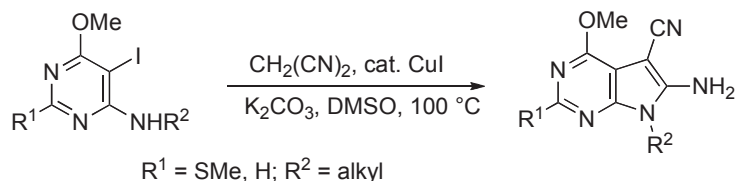
Yoshiki Oda, Masanobu Midorikawa, and Takashi Yamanoi\*



Glycosylation    Aryl Glycoside    Arbutin    4-Hydroxyphenyl 2-Acetamido-2-deoxy- $\alpha$ -D-glucopyranoside    Ytterbium Triflate

**216 Synthesis of 7-Alkyl-6-amino-7H-pyrrolo[2,3-d]-pyrimidine-6-carbonitriles by the Copper-Catalyzed Reaction of 4-(Alkylamino)-5-iodopyrimidines with Propanedinitrile**

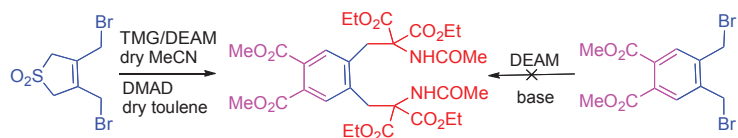
Kazuhiro Kobayashi,\* Kazuya Nakazawa, Shohei Yuba, Hidetaka Hiyoshi, and Kazuto Umezū



7H-Pyrrolo[2,3-d]pyrimidine    Amino Nitrile    Copper(I) Iodide    Coupling Reaction    Malononitrile

**226 Diversity Oriented Approach to Phenylalanine Derivatives *via* the Diels-Alder Reaction Involving Sulfolene Intermediates**

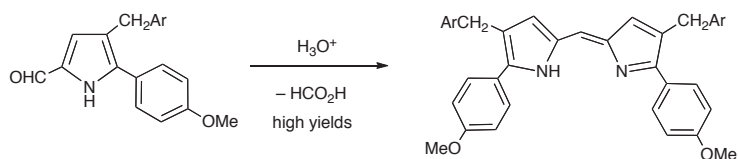
Sambasivarao Kotha\* and Vijayalakshmi Bandi



$\alpha$ -Amino Acid    Diels-Alder Reaction    Sulfolene    Diethyl Acetamidomalonate    Unusual Amino Acid

**238 Unusually Efficient Deformylative Synthesis of 1,2,8,9-Tetrasubstituted Dipyrins from 4,5-Disubstituted Pyrrole-2-carbaldehydes**

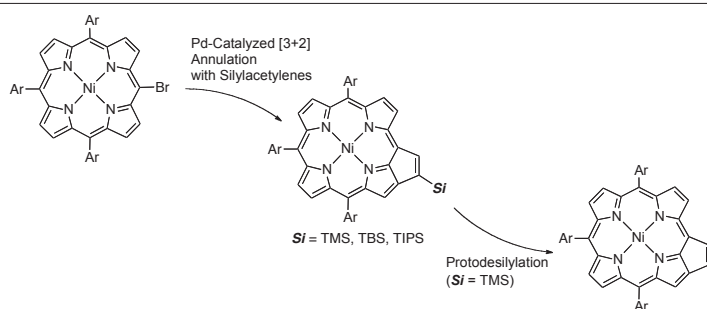
Mitsunori Oda,\* Yurie Fujiwara, Yoshimitsu Kumai, Akira Ohta, and Ryuta Miyatake



Dipyrromethene    Pyrrole    Proton Sensor    X-Ray Crystallographic Analysis    BODIPY

**252 Palladium-Catalyzed [3+2] Annulation of *meso*-Bromoporphyrin with Silylacetylenes and Desilylation of 8<sup>a</sup>-Silyl-7,8-dehydropurpurin**

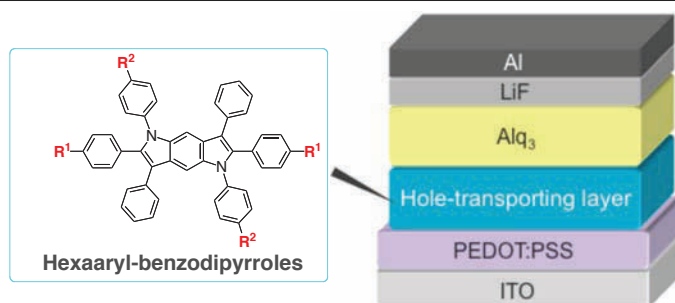
Norihito Fukui, Seiji Arai, Hiroshi Shinokubo, Hideki Yorimitsu,\* and Atsuhiko Osuka\*



Porphyrin    Dehydropurpurin    Annulation    Pd Catalyst    Antiaromatic Compound

**261 Hexaaryl-benzodipyrroles: Properties and Application as Amorphous Carrier-Transporting Materials**

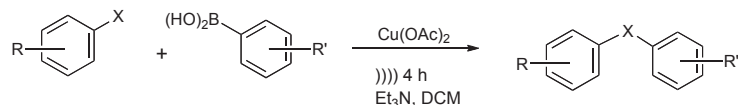
Hayato Tsuji,\* Yuki Yokoi, Shunsuke Furukawa, and Eiichi Nakamura\*



Pyrrole    Carrier Mobility    Semiconducting Material    Light-Emitting Diode

**271 Copper Mediated Formation of Carbon-Heteroatom Bonds Using Organoboron Reagents and Ultrasound**

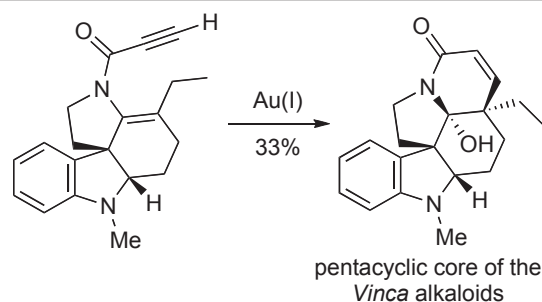
Bryan J. Musolino and George W. Kabalka\*



Heteroatom    Organoboron    Coupling Reaction    Ultrasound    Copper

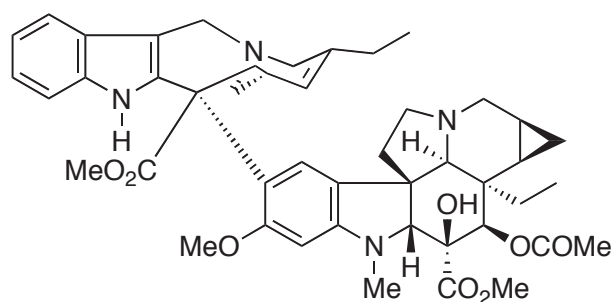
**298 ABC → ABCE/D Based Approaches to the Pentacyclic Ring System of the *Vinca* Alkaloids Using Intramolecular Hetero-[2+2]cycloaddition and Gold(I)-Catalyzed 6-*endo-dig* Cyclisation Protocols**

Lorenzo V. White, Martin G. Banwell,\* and Anthony C. Willis


*Vinca* Alkaloid    6-*endo-dig* Cyclisation    Au(I)-Catalysis    Fischer Indole Synthesis

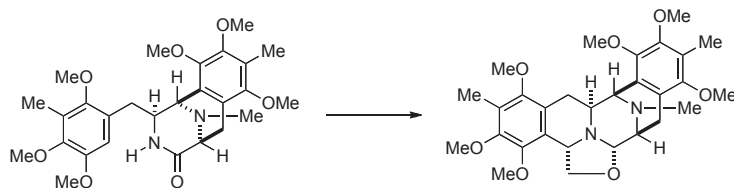
**316 Bisindole Alkaloids Condensed with a Cyclopropane Ring, Part 2. Cyclopropano-vinorelbine and Its Derivatives**

Péter Keglevich, László Hazai, Zsófia Dubrovay, Zsuzsanna Sánta, Miklós Dékány, Csaba Szántay, Jr., György Kalaus, and Csaba Szántay\*


*N*<sup>1</sup>-Formyl-cyclopropano-vinorelbine    5<sup>1</sup>-Desmethylene-cyclopropano-vinblastine    Different Tumor Cell Line    Antitumor Activity

**327 Synthetic Studies on Saframycin Antibiotics: An Improved Synthesis of Tricyclic Lactam Intermediate and Construction of the Core Ring System of Saframycin A**

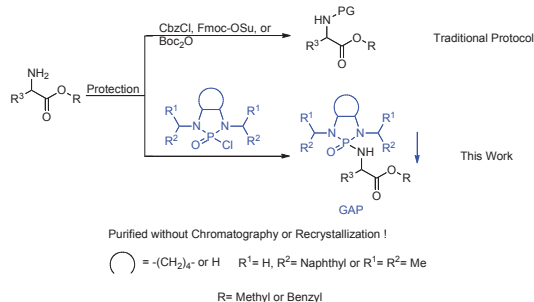
Shinya Kimura, Shintaro Kawai, Masayuki Azuma, Yoshifumi Umehara, Yu-ichi Koizumi, Masashi Yokoya, and Naoki Saito\*



Aminonitrile    Isoquinoline    Cytotoxicity    Saframycin A

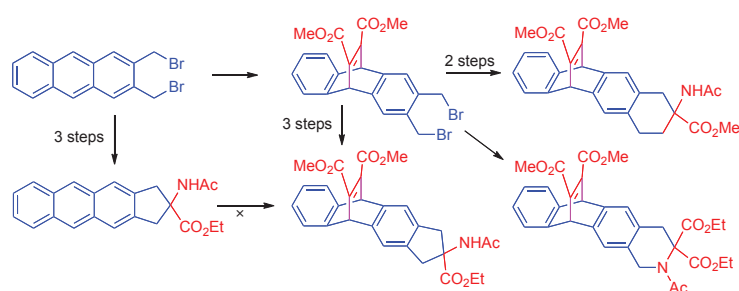
**344 Group-Assisted Purification (GAP) for Protection of Amino Acids Using *N*-Phosphonyl Functional Groups**

Guanghui An, Cole Seifert, Hao Sun, Yi Pan, and Guigen Li\*


 Group-Assisted Purification    Phosphonyl Halide    *N*-Phosphonyl Amino Acid

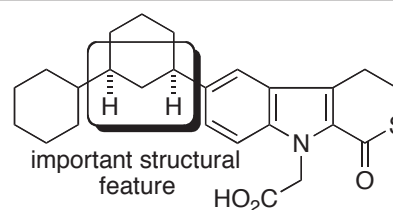
**357 Design and Synthesis of Conformationally Constrained Bicyclo[2.2.2]octane-based Unusual  $\alpha$ -Amino Acid Derivatives via the Diels–Alder Reaction**

Sambasivarao Kotha\* and Milind Meshram


 Bicyclic  $\alpha$ -Amino Acid Derivative    Anthracene Derivative     $\sigma$ -Quinodimethane    Diels-Alder Reaction    Glycine Equivalent

**372 Synthesis and Evaluations of GLP-1 Secretion and Anti-Diabetic Effect in KK<sub>Y</sub> Mice of New Tricyclic Compounds**

Daisuke Minehira, Daisuke Takeda, Shota Miyawaki, Atsushi Kato, Isao Adachi,\* Akira Miyazaki, Ryuta Miyatake, Masahito Umezaki, Kyoko Miura, Yoshiro Kitahara, Kenji Sugimoto, Yuji Matsuya, and Naoki Toyooka\*

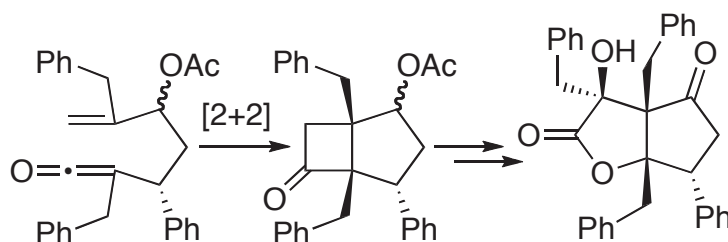


strong GLP-1 secretion and anti-diabetic properties

GLP-1 Secretion    Tricyclic Compound    Friedel-Crafts Reaction

**405 Stereoselective Approach toward Ophiodilactones Based on an Intramolecular [2 + 2] Cycloaddition Reaction**

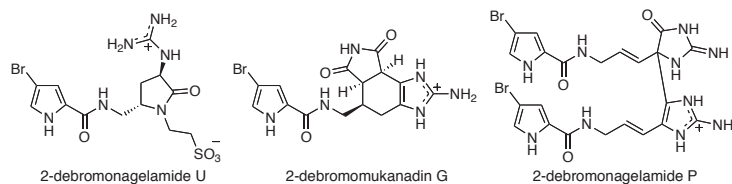
Takaaki Matsubara, Jun Ishihara, and Susumi Hatakeyama\*



Baeyer-Villiger Oxidation    [2 + 2] Cycloaddition    Ketene    Lactone    Natural Product Synthesis

**425 2-Debromonagelamide U, 2-Debromomukanadin G, and 2-Debromonagelamide P from Marine Sponge *Agelas* sp.**

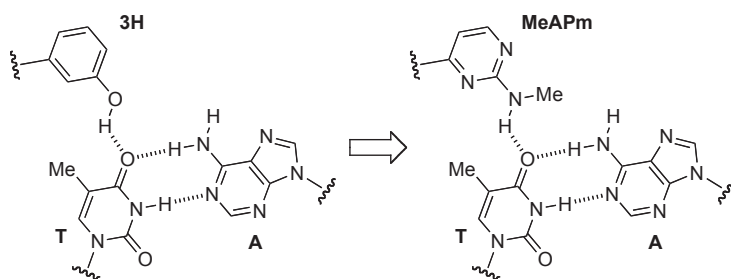
Kenta Nakamura, Taishi Kusama, Naonobu Tanaka, Kanae Sakai, Tohru Gonoi, Jane Fromont, and Jun'ichi Kobayashi\*



Bromopyrrole Alkaloid    *Agelas* sp.    2-Debromonagelamide U    2-Debromomukanadin G    2-Debromonagelamide P

**432 Base Pair Recognition Ability of 2-(Methylamino)-pyrimidin-4-yl Nucleobase in Parallel Triplex DNA**

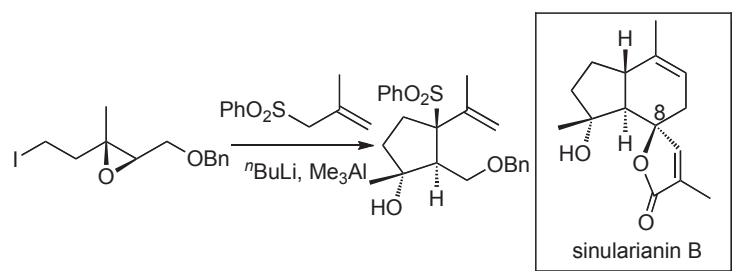
Yoshiyuki Hari,\* Satoshi Kashima, Yuya Matsuda, Akihiro Sakata, Ryutarō Takamine, Shin Ijitsu, and Satoshi Obika\*



Modified Nucleobase    Triplex DNA    Triplex-Forming Oligonucleotide

**442 Total Synthesis of Marine Sesquiterpenoid Sinularianin B and 8-*epi*-Sinularianin B**

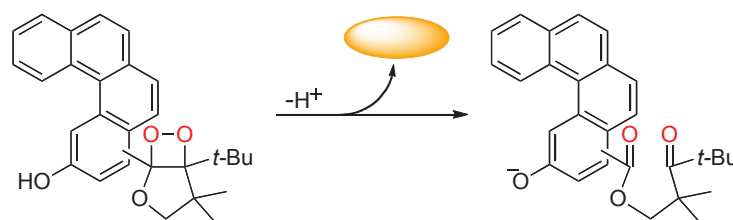
Koichiro Ota and Hiroaki Miyaoka\*



Sinularianin B    Total Synthesis    Spirolactone    One-Pot Synthesis    Natural Product

**462 Synthesis of Bicyclic Dioxetanes Bearing a Hydroxyphenanthrene or Hydroxy[4]helicene Moiety and Their Base-Induced Chemiluminescent Decomposition**

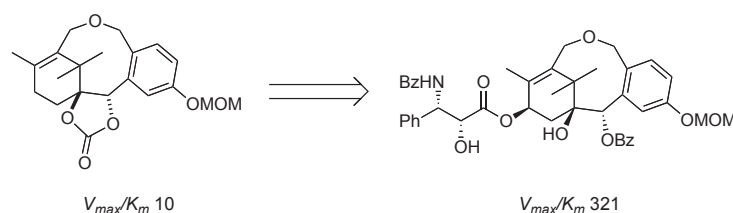
Yohei Koyama, Nobuko Watanabe, Hisako K. Ijuin, and Masakatsu Matsumoto\*



Dioxetane    Chemiluminescence    Helicene

**482 Synthesis and Biological Evaluation of C-Aromataxane Derivatives as P-Glycoprotein-Mediated Multi Drug Resistance Reversal Agents**

Takayuki Doi,\* Naoko Yamaguchi, Kosuke Ohsawa, Kazuoki Nakai, Masahito Yoshida, Kazuhiro Satake, Yuji Mitani, Hiroshi Nakagawa, Takashi Takahashi, and Toshihisa Ishikawa

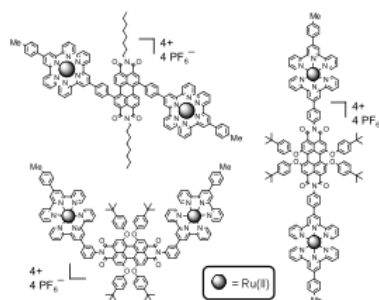


98% recovery of cytotoxicity of paclitaxel in the presence of 5.0  $\mu$ M **5a** (IC<sub>50</sub> 30 nM against MDR KB-G2 cells)

9-Membered Cyclic Ether    MDR Reversal Agent    Paclitaxel    P-Glycoprotein    Cytotoxicity

**502 Perylene-Based, Bis(terpyridine)-Ru(II) Complexes: Synthesis, Electrochemical and Photovoltaic Properties**

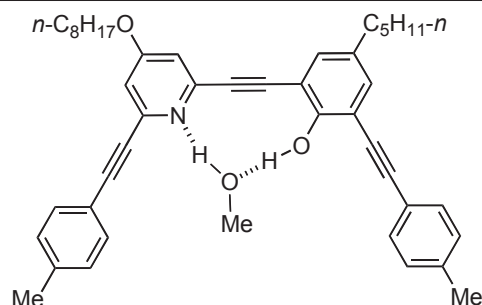
Hany El-Batal, Juan Manríquez Rocha, Perla F. Méndez, Luis A. Godínez, Kai Guo, Xiaopeng Li, Xiaocun Lu, Chrys Wesdemiotis, Charles N. Moorefield, and George R. Newkome\*



Terpyridine Perylene Bis(terpyridine) Complex Ruthenium

**515 A New Class of Structurally Simple and Highly Emissive Fluorophores with a Pyridine–Acetylene–Phenol Conjugate**

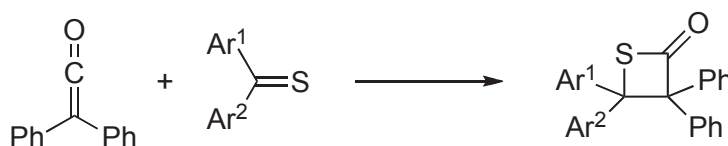
Yuki Ohishi, Hajime Abe,\* and Masahiko Inouye\*



Pyridine Phenol Hydrogen Bonding Optical Property Responsiveness to Acid and Base

**529 Thermal [2+2]-Cycloadditions of Diphenylketene with Aryl- and Hetaryl-Substituted Thioketones**

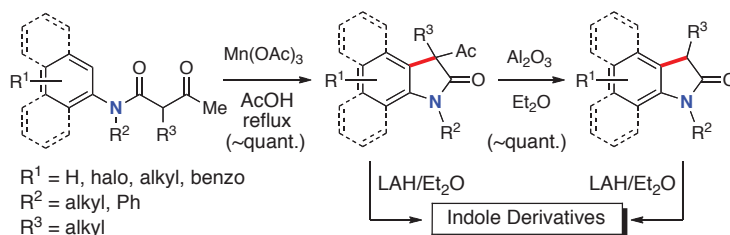
Grzegorz Młostoń,\* Katarzyna Urbaniak, Anna Szychowska, Anthony Linden, and Heinz Heimgartner\*



Cycloaddition Reaction Thioketone Diphenylketene Thietan-2-one X-Ray Crystallography

**540 Mn(III)-Based Oxidative Cyclization of *N*-Aryl-3-oxobutanamides. Facile Synthesis and Transformation of Substituted Oxindoles**

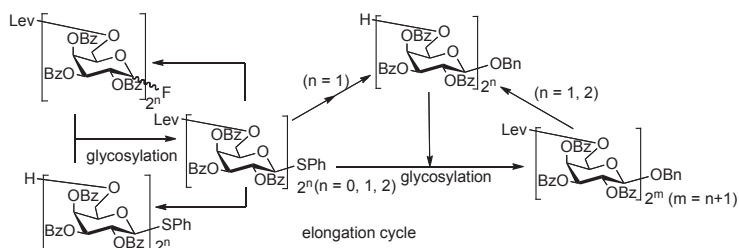
Nobutaka Kikue, Tetsuya Takahashi, and Hiroshi Nishino\*



*N*-Aryl-3-oxobutanamide 3-Acetylidolin-2-one 1*H*-Indole Oxidation Cyclization

**563 Synthesis of Model Compounds Related to Linear  $\beta$ -D-(1 $\rightarrow$ 6)-Galactosyl Side-Chains of Polysaccharides from *Astragalus mongholicus* Bunge**

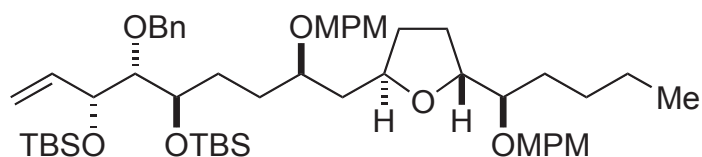
Noriyasu Hada, Ryo Shimura, Kyoko Hakamata, Hiroaki Kiyohara, Haruki Yamada, Tadahiro Takeda, and Fumiyuki Kiuchi\*



$\beta$ (1 $\rightarrow$ 6)-Oligogalactan *Astragalus mongholicus*

**579 Studies toward the Total Synthesis of Amphidinolide N: Stereocontrolled Synthesis of the C13–C29 Segment**

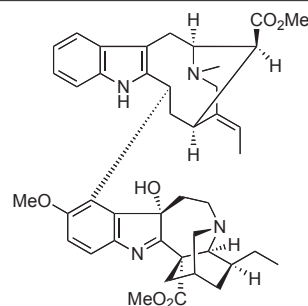
Makoto Sasaki,\* Yuki Kawashima, and Haruhiko Fuwa



Amphidinolide N    Marine Dinoflagellate    Macrolide    Total Synthesis

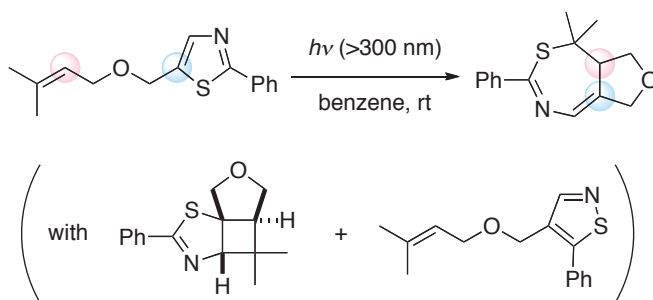
**SHORT PAPERS**
**601 A New Indole Alkaloid from *Voacanga grandifolia***

Azusa Haseo, Alfarius Eko Nugroho, Yusuke Hirasawa, Toshio Kaneda, Osamu Shirota, Abdul Rahman, Idha Kusumawati, Noor Cholies Zaini, and Hiroshi Morita\*


 Bisindole Alkaloid    Voacalgine F    *Voacanga grandifolia*    Structure Elucidation

**607 Novel Intramolecular Cyclization-Skeletal Reorganization of 2-Arylthiazoles under Photoirradiation**

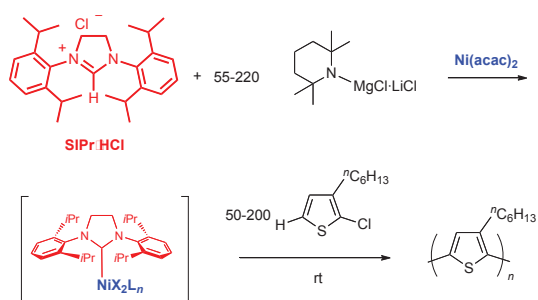
Noriyoshi Arai,\* Moe Mizota, and Takeshi Ohkuma\*



Photoreaction    Cyclization    Skeletal Reorganization    Thiazole    Thiazepine

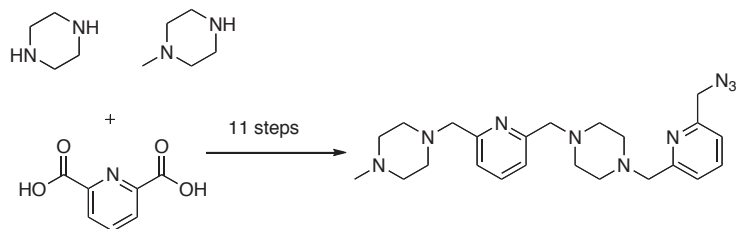
**617 Studies on the Effect of *N*-Heterocyclic Carbene as a Ligand for Nickel(II)-Catalyzed Polymerization of Thiophenes**

Atsunori Mori,\* Makoto Fujio, and Shunsuke Tamba


*N*-Heterocyclic Carbene    Nickel Catalyst    Thiophene    Polythiophene    Acetylacetonate

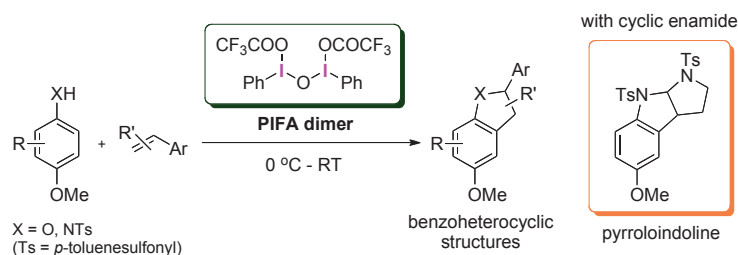
**625 Synthesis of Unprotected CH<sub>2</sub>-Skipped Piperazine-Pyridine Alternating Cycles with Azide End-group**

Andi Kipper, Indrek Kalvet, Kaido Tamm, Lauri Sikk, Peeter Burk, Kuldar Kõiv, and Uno Mäeorg\*


 CH<sub>2</sub>-Skipped Heterocycle    Pyridine-Piperidine Alternating Cycle    Organic Synthesis

**631 Phenol and Aniline Oxidative Coupling with Alkenes by Using Hypervalent Iodine Dimer for the Rapid Access to Dihydrobenzofurans and Indolines**

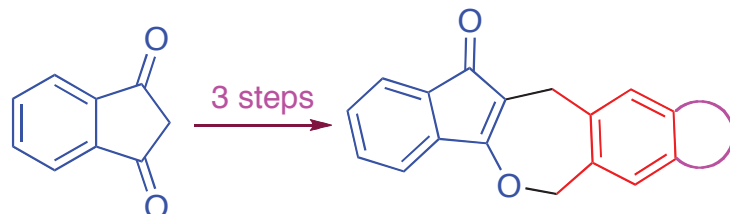
Toshifumi Dohi, Yosuke Toyoda, Tomofumi Nakae, Daichi Koseki, Hiroko Kubo, Tohru Kamitanaka, and Yasuyuki Kita\*



Hypervalent Iodine    C-C Coupling Reaction    Oxidation    Cyclization    Benzoheterocycle

**645 Diversity Oriented Approach to Oxepine Derivatives: Further Expansion *via* Diels-Alder Reaction**

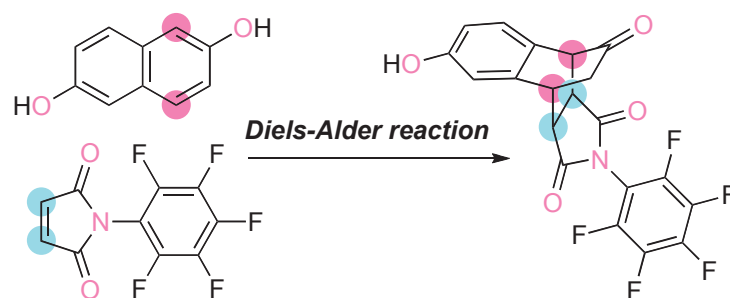
Sambasivarao Kotha\* and Rashid Ali



Oxepine    Diels-Alder Reaction    Rongalite    Sultine    Alkylation Reaction

**659 *N*-(2,3,4,5,6-Pentafluorophenyl)maleimide as a Powerful Dienophile in Dearomatizing Diels-Alder Reactions**

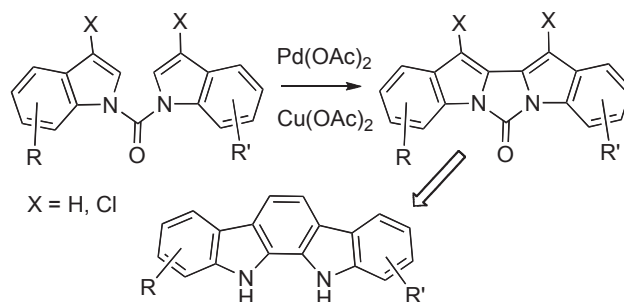
Koichi Hagiwara, Masafumi Iwatsu, Daisuke Urabe, and Masayuki Inoue\*



Diels-Alder Reaction    Dearomatization    Carbocycle    Quaternary Carbon    Total Synthesis

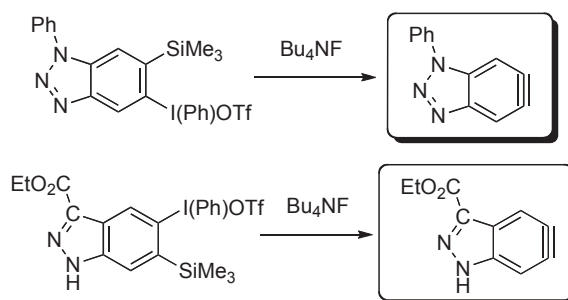
**673 Pd-Catalyzed Intramolecular Oxidative Coupling Reaction of 1,1'-Carbonyldiindoles**

Takumi Abe and Minoru Ishikura\*


 2,2'-Biindolyl    Pd-Catalyzed Coupling Reaction    Indolo[2,3-*b*]carbazole    Tjipanzole

**681 Generation and Reactions of Heteroaromatic Arynes Using Hypervalent Iodine Compounds**

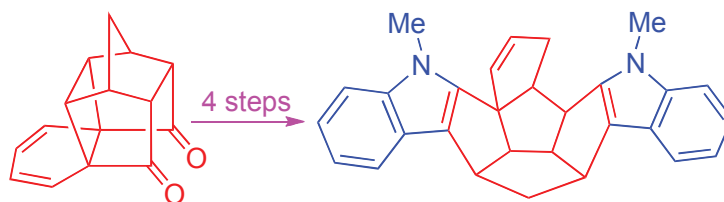
Keisuke Gondo, Juzo Oyamada, and Tsugio Kitamura\*



Heteroaromatic Aryne    Hypervalent Iodine    Didehydrobenzotriazole    Didehydroindazole    Polycyclic Heteroaromatic Compound

**690 Design of Aza-Polyquinanes *via* Fischer Indole Cyclization under Green Conditions**

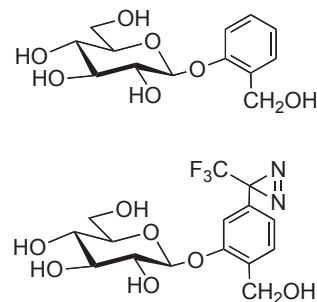
Sambasivarao Kotha\* and Ajay Kumar Chinnam



Fischer Indole Synthesis    Polyquinane    Low Melting Mixture    Caged Compound    Diels-Alder Reaction

**698 Synthesis of Photoreactive Diaziriny Salicin Derivative to Elucidate Functional Analysis of the Bitter Taste Receptor**

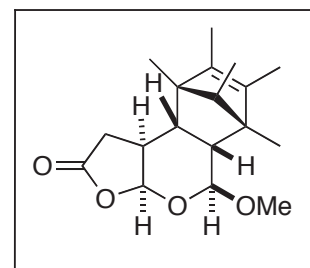
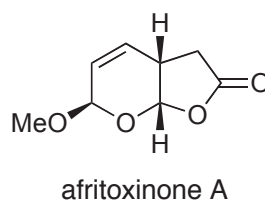
Munenori Sakurai, Takuma Yoshida, Lei Wang, Yuta Murai, Katsuyoshi Masuda, Yasuko Sakihama, Yasuyuki Hashidoko, Yasumaru Hatanaka, and Makoto Hashimoto\*



Diazirine    Photoaffinity Label    Salicin    Bitter Taste    Glucosidation

**706 Synthetic Study of Afritoxinone A: Stereoselective Construction of Furopyranone Moiety**

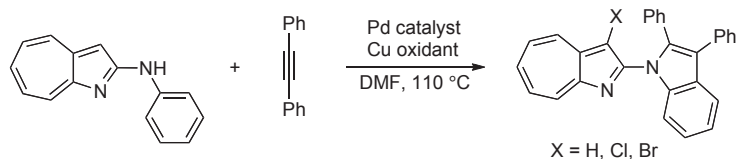
Hideki Abe, Toshihiro Yoshie, Takumi Wagatsuma, Toyoharu Kobayashi, and Hisanaka Ito\*



Afrifoxinone A    Dihydrofuropyranone    Stereoselective 1,4-Addition Reaction    Acetalization

**715 The Cycloaddition of 2-Phenylamino-1-azaazulene with Diphenylacetylene Using Palladium Catalytic Systems**

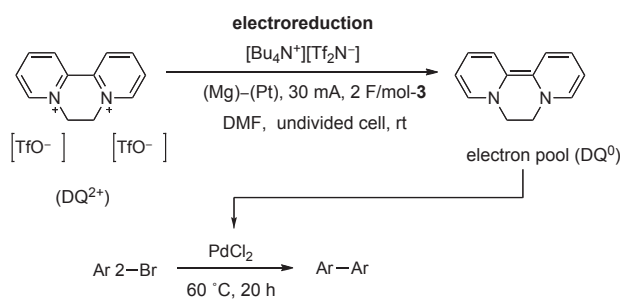
Hiroyuki Fujii,\* Shigeki Oka, Ippei Nakamura, Yu Kawai, Reiko Ikeda, Takeo Konakahara, and Noritaka Abe



1-Azaazulene    Cycloaddition Reaction    Indole

723 **Diquat Triflate, a Precursor of Organic Reductant**

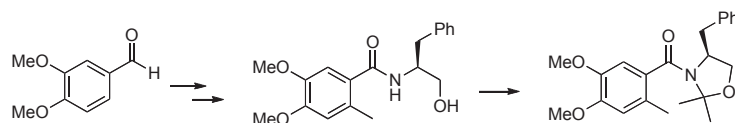
Manabu Kuroboshi,\* Takashi Kondo, and Hideo Tanaka



Electroreduction    Diquat    Organic Reductant    Homo-Coupling Reaction    Biaryl

730 **Synthesis and Crystal Structure of (4*S*)-4-Benzyl-3-(4,5-dimethoxy-2-methylbenzoyl)-2,2-dimethyl-1,3-oxazolidine**

Maria Chrzanowska,\* Zofia Meissner,  
Joanna M. Chrzanowska, and Andrzej K. Gzella



Chiral Auxiliary    Chiral Oxazolidine    8-Oxoberbine    Oxidation of Aromatic Aldehyde    X-Ray Analysis

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