

■ CELEBRATION OF PROFESSOR VICTOR SNieckus

- 1 Preface – Honoring the 77th Birthday of Professor Victor Snieckus

Gordon W. Gribble*

■ CURRICULUM VITAE

- 5 Curriculum Vitae – Victor Algirdas Snieckus

Victor Snieckus*

■ PUBLICATIONS

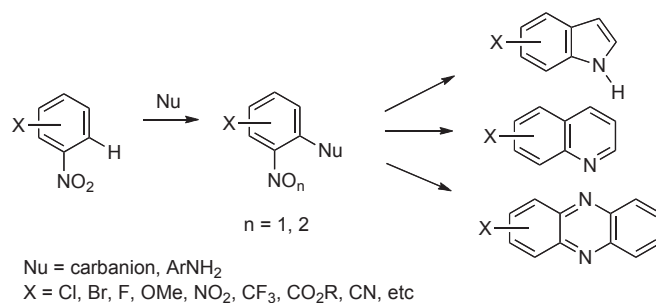
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Victor Snieckus*

■ REVIEWS

 75 **Synthesis of Heterocycles *via* Nucleophilic Substitution of Hydrogen in Nitroarenes**

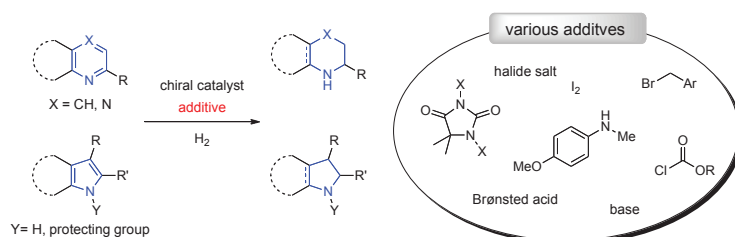
Mieczysław Małosza* and Krzysztof Wojciechowski



Nitroarene Nucleophilic Substitution Indole Quinoline Phenazine

 103 **Additive Effects on Asymmetric Hydrogenation of *M*-Heteroaromatics**

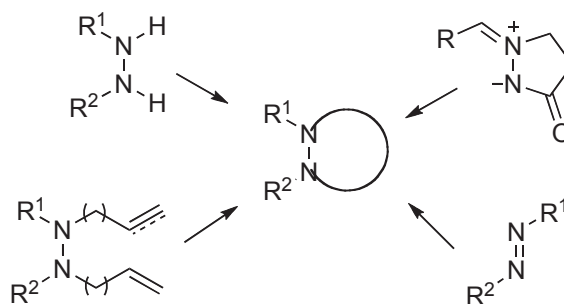
Takuto Nagano, Atsuhiko Imuro, Kenta Yamaji, Yusuke Kita, and Kazushi Mashima*



Asymmetric Hydrogenation Additive Effect Heteroaromatic Compound

 129 **Hydrazines and Azo-Compounds in the Synthesis of Heterocycles Comprising N-N Bond**

Svetlana Tšupova and Uno Mäeorg*

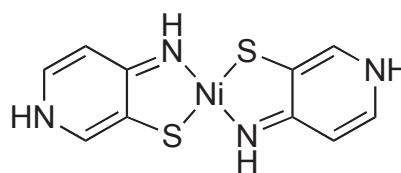


Hydrazine Cyclization Azo-Compound Azomethine Imine Catalysis

■ COMMUNICATIONS

 175 **Synthesis and Characterization of Nickel Complex of 4-Amino-3-pyridinethiolate**

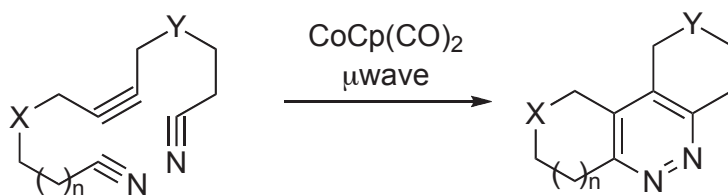
Kouzou Matsumoto,* Maho Nishizawa, Yasukazu Hirao, Hiroyuki Kurata, and Takashi Kubo*



Nickel Complex 4-Amino-3-pyridinethiolate Electron Donor

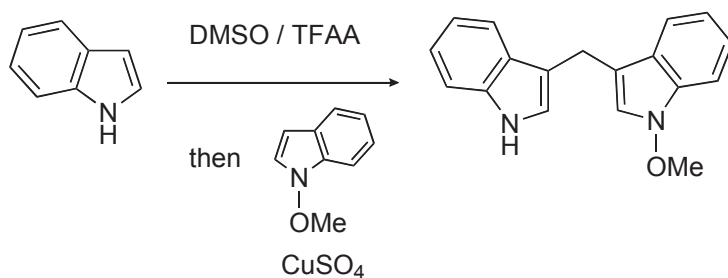
179 *N,N*-Bond Formation in Intramolecular Cobalt-Catalyzed [2+2+2] Cyclizations of Alkynyl-Linked Bisnitriles, and the Preparation of Annulated Pyridazines

Cuifang Cai, Megan A. Audet, and John K. Snyder*


 1,2-Diazine Pyridazine 1,2,3,4,7,8,9,0-Octahydrodipyrdo[4,3-*c*:3',4'-*e*]pyridazine [2+2+2]Cyclization Cobalt(I)-Catalyzed Cyclization

187 One-Pot Access to 3,3'-Bisindolylmethanes through the Intermolecular Pummerer Reaction

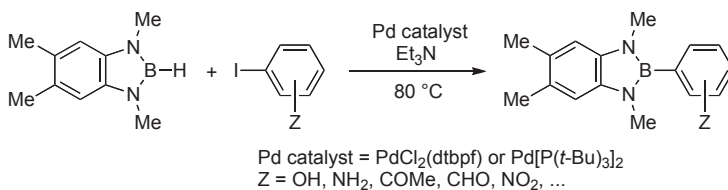
Takumi Abe, Toshiaki Ikeda, Tomoki Itoh, Noriyuki Hatae, Eiko Toyota, and Minoru Ishikura*



3,3'-Bisindolylmethane Pummerer Reaction Indole One-Pot Reaction Copper(II) Acetate

193 Palladium-Catalyzed Borylation of Aryl Iodides with 2,3-Dihydro-1*H*-benzo[*d*][1,3,2]diazaboroles

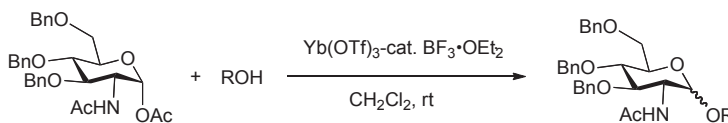
Miki Murata,* Nobuyoshi Hirai, Michihiro Okuyama, Takeshi Namikoshi, and Shinji Watanabe



Palladium Catalyst Borylation Hydroborane Aryl Halide Cross-Coupling Reaction

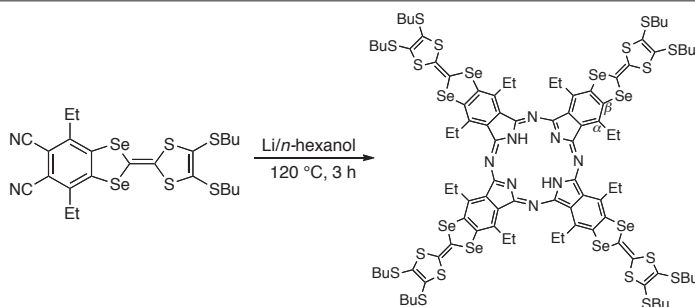
201 Formation of 1,2-*cis*- α -Aryl-glycosidic Linkages Directly from 2-Acetamido-2-deoxy-D-glucopyranosyl Acetate by the Mixed Activating System Using Ytterbium(III) Triflate and Catalytic Boron Trifluoride Diethyl Etherate Complex

Takashi Yamanoi,* Masanobu Midorikawa, and Yoshiki Oda


 Glycosidation 1,2-*cis*- α -Glycosidation 2-Acetamido-2-deoxy-D-glucopyranoside Ytterbium(III) Triflate Boron Trifluoride Diethyl Etherate Complex

207 Preparation and Electrochemical Property of Octaethylphthalocyanine Fused with Four Diselenadithiafulvalene Units

Takeshi Kimura*

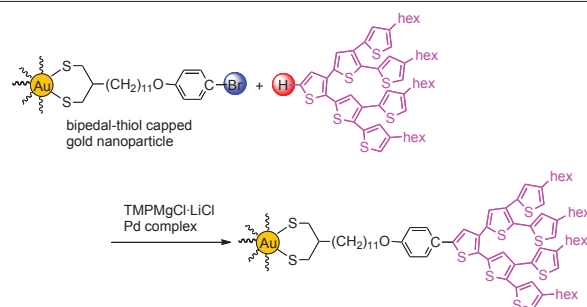


Phthalocyanine Diselenadithiafulvalene Radical Cation

■ PAPERS

213 Introduction of Heteroarene Functionality on the Bipedal-Thiol-Capped Gold Nanoparticle by Deprotonative C-H Coupling with Palladium Complex

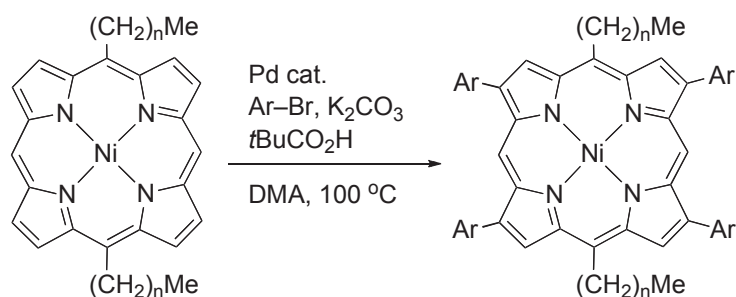
Atsushi Sugie, Hiroki Yamauchi, Kei Miyamura, Kenta Kumazawa, Shota Tanaka, Kiyoshi Kanie, Atsushi Muramatsu, and Atsunori Mori*



C-H Coupling Reaction Gold Nanoparticle Thiophene Dithiol Palladium Complex

223 Palladium-Catalyzed Tetraarylation of 5,15-Dialkylporphyrins with Aryl Bromides

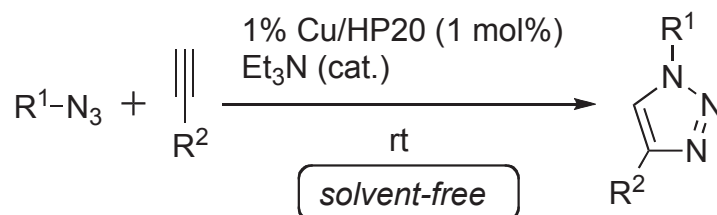
Yutaro Yamamoto, Sumito Tokuji, Takayuki Tanaka, Hideki Yorimitsu,* and Atsuhiko Osuka*



Porphyrin Arylation C-H Activation Synthesis

233 Cu/HP20-Catalyzed Solvent-Free Huisgen Cycloaddition at Ordinary Temperatures

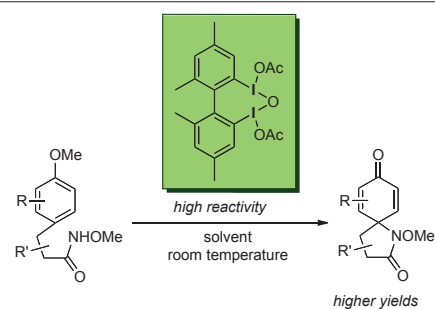
Yoshiaki Kitamura, Kazumi Taniguchi, Tomohiro Maegawa, Yasunari Monguchi, Yukio Kitade, and Hironao Sajiki*



Copper Catalyst Solvent-Free Reaction Cu(I)-Catalyzed Azide-Alkyne Cycloaddition (CuAAC) Triazole Room Temperature

245 Efficient Oxidative Spirolactamization by μ -Oxo Bridged Heterocyclic Hypervalent Iodine Compound

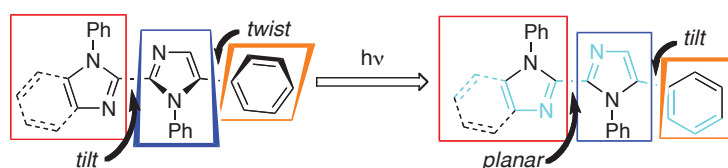
Toshifumi Dohi, Eisuke Mochizuki, Daisuke Yamashita, Keitaro Miyazaki, and Yasuyuki Kita*



Hypervalent Compound Iodine Oxidative Cyclization Spiro Compound Lactam

261 Synthesis and Optical Properties of 2,2'-Biimidazole and Benzo[*d*]imidazole Derivatives: Changing π -Conjugation by Photoexcitation

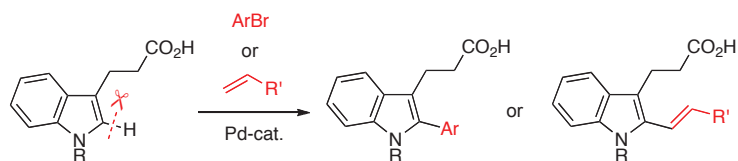
Shoji Matsumoto,* Yu Zhao, and Motohiro Akazome



Imidazole Benzo[*d*]imidazole Photoexcitation Stokes Shift Dihedral Angle

275 Palladium-Catalyzed Direct Arylation and Alkenylation of 3-(Indol-3-yl)propionic Acids through C–H Bond Cleavage

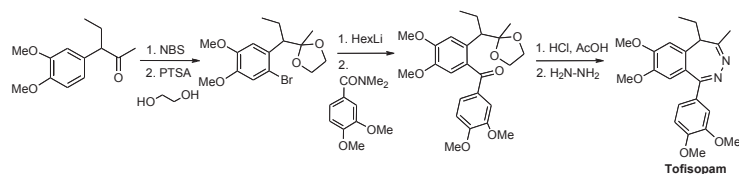
Daisuke Takeda, Koji Hirano, Tetsuya Satoh,* and Masahiro Miura*



C-H Bond Cleavage Arylation Alkenylation Indole Palladium Catalyst

287 New, Lithiation-Based Synthesis of Tofisopam, a 2,3-Benzodiazepine Type Anxiolytic Drug

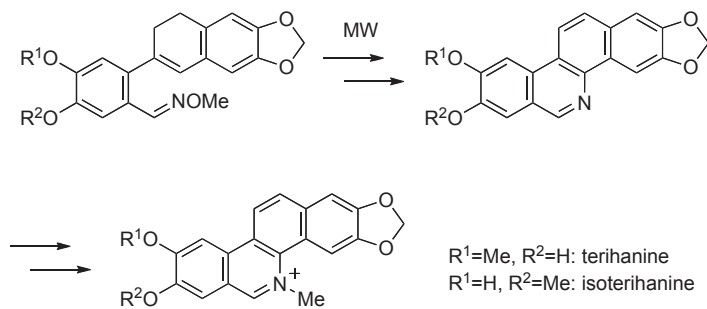
Erika Molnárné Samu,* Gyula Lukács, Balázs Volk, and Gyula Simig



Tofisopam Lithiation Environment Cyclisation Protecting Group

297 Total Synthesis of the Benzo[*c*]phenanthridine Alkaloids, Terihanine and Isoterihanine, and Their Antitumor Activity

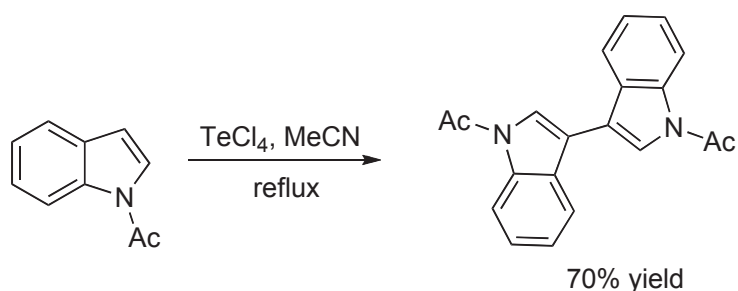
Yuhki Kurata, Tominari Choshi,* Yuhsuke Ishihara, Noriyuki Hatae, Takashi Nishiyama, and Satoshi Hibino*



Terihanine Isoterihanine Total Synthesis Microwave Irradiation Aza-Electrocyclic Reaction

309 Synthetic Approaches to 3,3'-Biindolyl and 3,3'-Biindazolyl Derivatives

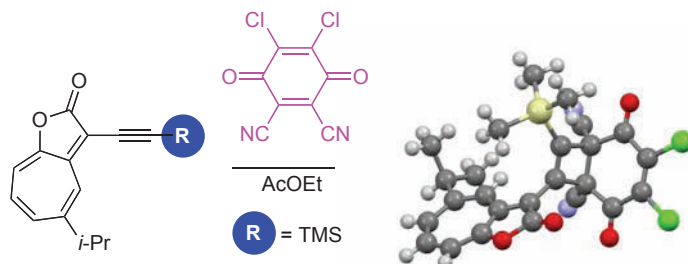
Azadeh Nakhai and Jan Bergman*



3,3'-Biindolyl 3,3'-Biindazolyl Stille Cross-Coupling Reaction Tellurium Compound Oxidative Coupling Reaction

319 Synthesis, Properties, and Crystal Structure of DDQ-Adducts of Ethynylated 2*H*-Cyclohepta[*b*]furan-2-ones

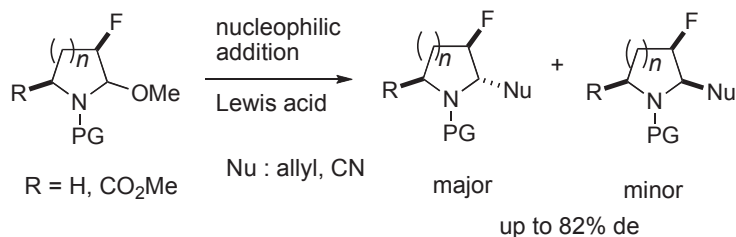
Taku Shoji,* Mitsuhsa Maruyama, Erika Shimomura, Akifumi Maruyama, Shunji Ito, Masafumi Yasunami, Junya Higashi, Kozo Toyota, and Noboru Morita*



Heteroazulene Troponoid Cycloaddition Reaction UV-Vis Spectrum Redox Chemistry

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Paul N. Gichuhi, Masami Kuriyama, and Osamu Onomura*



Fluorinated Cyclic Amine

Diastereoselective Substitution

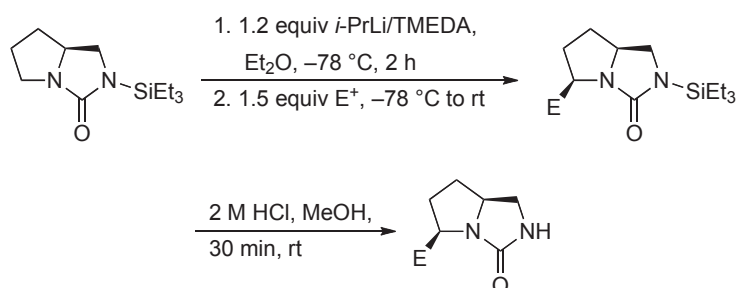
Electrochemical Oxidation

Nucleophilic Fluorination

Electrophilic Fluorination

347 Diastereoselective Lithiation of *N*-Silyl-Protected (*S*)-Tetrahydro-1*H*-pyrrolo[1,2-*c*]imidazol-3(2*H*)-one

Costa Metallinos,* Seyed Iraj Sadraei, and Nadezda Zhukovskaya



Proline Hydantoin

Diastereoselective Reaction

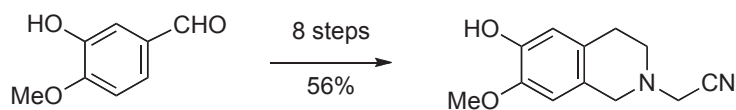
Lithiation

Triethylsilyl Protecting Group

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363 Isolation, Structure Characterization, and Synthesis of Stabilized 1,2,3,4-Tetrahydroisoquinoline Marine Natural Product from Potassium Cyanide Pretreated Thai Tunicate, *Ecteinascidia thurstoni*

Shinya Kimura, Waree Pangkruang, Masashi Yokoya, Amane Honda, Ploenthip Puthongking, Khanit Suwanborirux,* and Naoki Saito*



Isolation

Structure Characterization

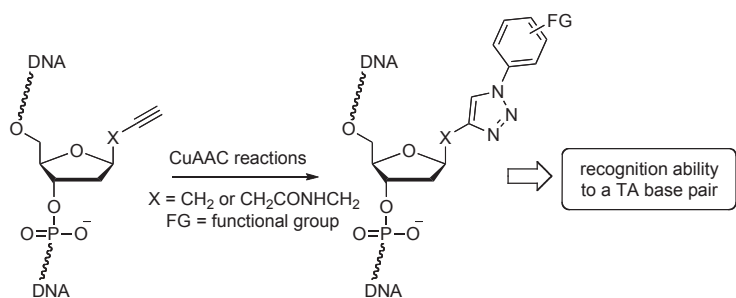
Synthesis

Xestospogia sp.

X-Ray Crystallography

377 The Ability of 1-Aryltriazole-Containing Nucleobases to Recognize a TA Base Pair in Triplex DNA

Yoshiyuki Hari,* Motoi Nakahara, Shin Ijitsu, and Satoshi Obika*



Artificial Nucleobase

Click Chemistry

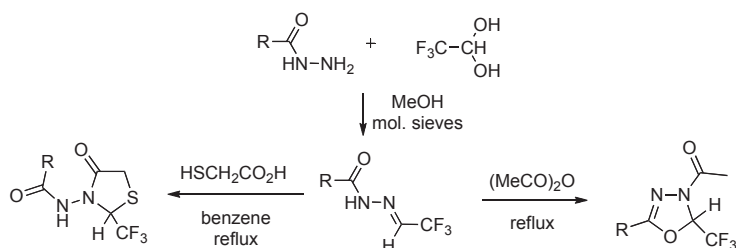
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Triplex DNA

Triplex-Forming Oligonucleotide

387 Exploration of Fluoral Hydrazones Derived from Carbohydrazides for the Synthesis of Trifluoromethylated Heterocycles

Grzegorz Mlostoń,* Katarzyna Urbaniak, Natalia Jacaszek, Anthony Linden, and Heinz Heimgartner*



Carbohydrazide

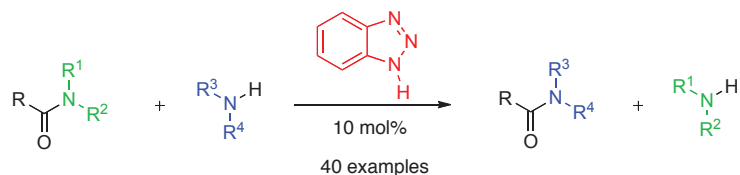
Fluoral Hydrazone

Trifluoromethylated Heterocycle

1,3-Thiazolidin-4-one

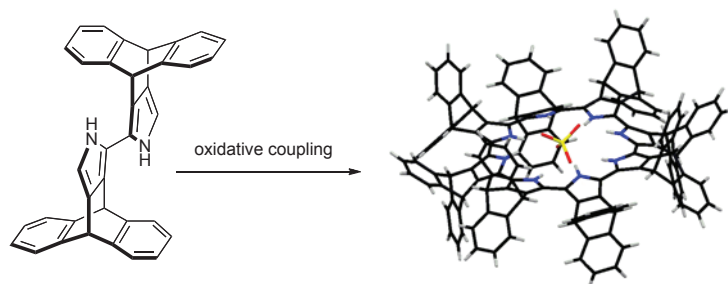
2,3-Dihydro-1,3,4-oxadiazole

403 Hydrogen Bond Organocatalysis of Benzotriazole in Transamidation of Carboxamides with Amines

 Thanh Binh Nguyen,* Ludmila Ermolenko,
 Marie-Elise Tran Huu Dau, and Ali Al-Mourabit


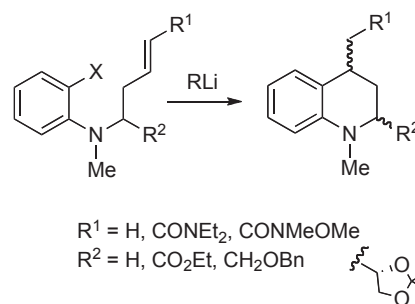
Transamidation Benzotriazole Hydrogen Bond Catalysis Solvent-Free Reaction Organocatalysis

417 Synthesis and Molecular Structure of Cyclo[8](9,10-dihydro-9,10-anthraceno)pyrrole

 Tetsuo Okujima,* Chie Ando, Shigeki Mori, Takahiro Nakae,
 Hiroko Yamada, and Hidemitsu Uno


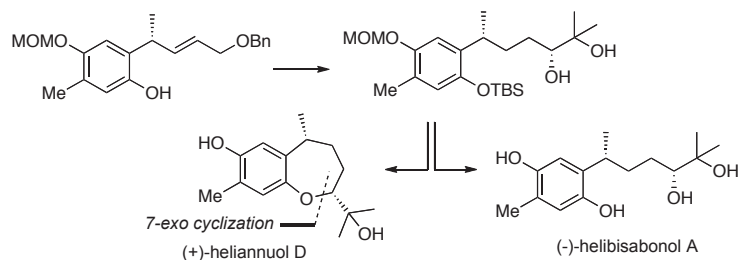
Cyclo[8]pyrrole Porphyrinoid [30]Octaphyrin NIR Absorption Single Crystal X-Ray Analysis

425 Synthesis of Tetrahydroquinolines through Intramolecular Carbolithiation Reactions

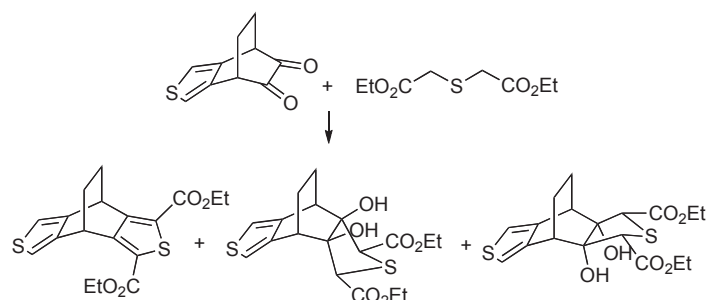
 Oihane García-Calvo, Unai Martínez-Estíbalaz, Esther Lete,
 and Nuria Sotomayor*


Carbolithiation Carbanion Tetrahydroquinoline Lithiation Stereoselectivity

441 Highly Efficient, Enantiocontrolled Total Syntheses of (+)-Heliannuol D and (-)-Helibisabonol A

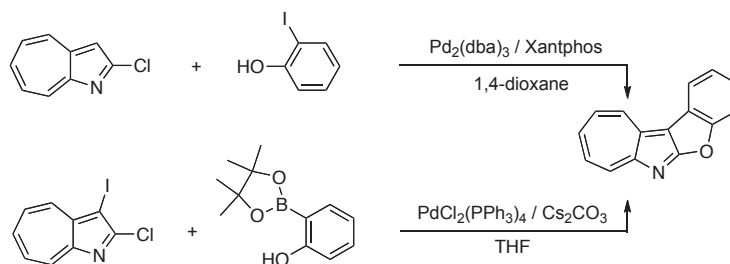
 Yuki Manabe, Makoto Kanematsu, Mayu Osaka,
 Masahiro Yoshida, and Kozo Shishido*

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453 Study on Hinsberg Thiophene Synthesis of 4,8-Dihydro-4,8-ethanobenzo[1,2-*c*;4,5-*c'*]dithiophene

 Kazunari Tagawa, Shigeki Mori, Takahiro Nakae,
 Tetsuo Okujima, and Hidemitsu Uno*

 Hinsberg Thiophene Synthesis Retro-Diels-Alder Reaction Benzo[1,2-*c*;3,4-*c'*]dithiophene Diradicaloid Isothianaphthene

463 Synthesis of Novel Benzofuran Fused 1-Azaazulene Derivative by Tandem Intermolecular Suzuki Coupling/Intramolecular Buchwald-Hartwig Type Coupling

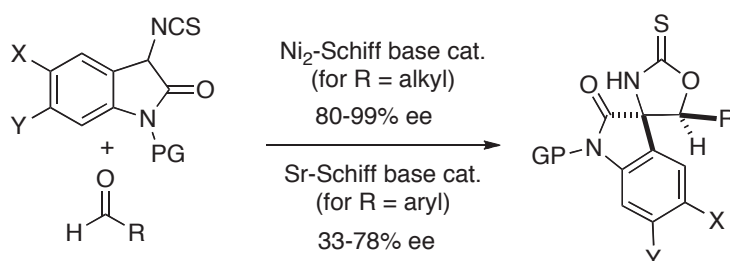
Hiroyuki Fujii,* Kazuya Sanada, Yu Kawai, Reiko Ikeda, Takeo Konakahara, and Noritaka Abe



1-Azaazulene Cyclization

475 Enantioselective Synthesis of Spirooxindoles via Direct Catalytic Asymmetric Aldol-Type Reaction of Isothiocyanato Oxindoles

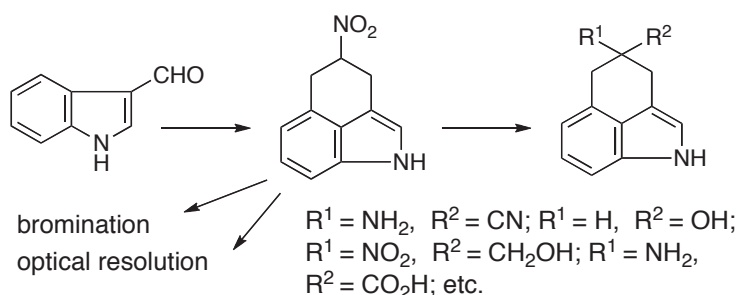
Shota Kato, Motomu Kanai, and Shigeki Matsunaga*



Asymmetric Catalysis Asymmetric Synthesis Bifunctional Catalyst Oxindole Spiro Compound

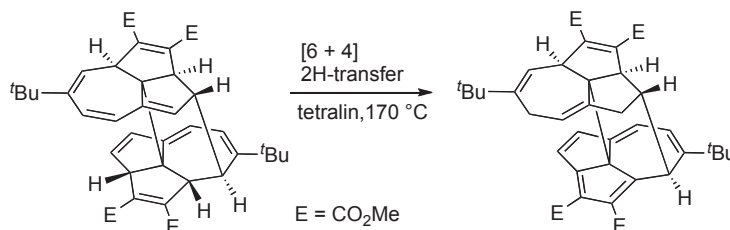
493 Synthesis of 4-Amino-, 4-Hydroxy-, and 4-Nitro-1,3,4,5-tetrahydrobenz[*c,d*]indols and Its Bromination

Kyoko Nakagawa, Naokatsu Aoki, Harunobu Mukaiyama, and Masanori Somei*


 4-Amino-1,3,4,5-tetrahydrobenz[*c,d*]indole Derivative 4-Substituted 1,3,4,5-tetrahydrobenz[*c,d*]indole Derivative

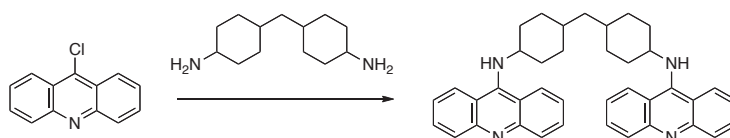
521 A Thermal Potential [6+4] 2H-Transfer Reaction in a Cyclic Dimer of Dimethyl 2a,8a-Dihydrocyclopent[*c,d*]azulene-1,2-dicarboxylate

Peter Uebelhart, Erja Lehto, and Hans-Jürgen Hansen*


 Et₂AlCl Catalysis 2a,8a-Dihydrocyclopent[*c,d*]azulene-1,2-dicarboxylate [6 + 4] 2H-Transfer Reaction Primary Kinetic H/D-Isotope Effect

535 Potential DNA *Bis*-Intercalating Agents. Synthesis and Antitumor Activity of *N,N'*-(Methylenedi-4,1-cyclohexanediyl)-*bis*(9-acridinamine) Isomers

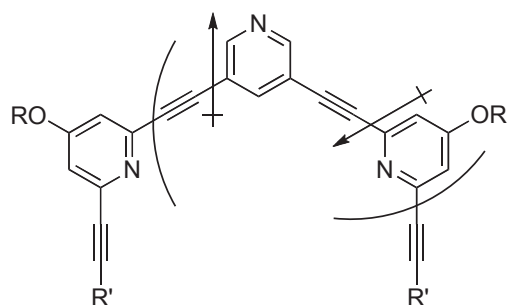
Gordon W. Gribble,* Michael D. Mosher, Gary D. Jaycox, Michael Cory, and Terri A. Fairley



Bisacridine DNA Bis-Intercalation Semi-Rigid Tether L1210 Leukemia

547 Preparation and Spectroscopic Study of Alternate *meta*-Ethynylpyridine Oligomer Involving 2,4,6-Trisubstituted and 3,5-Disubstituted Pyridine Rings

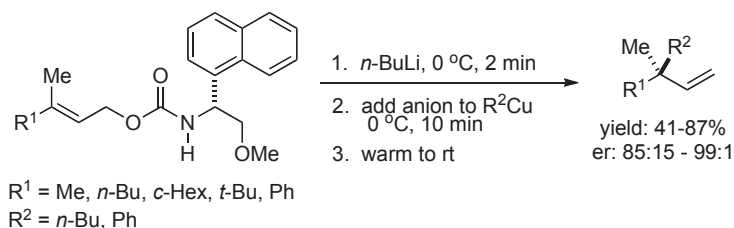
Hajime Abe,* Daiki Suzuki, Ayako Shimizu, and Masahiko Inouye*



Ethynylpyridine Alternate Oligomer Helix Formation Intramolecular Excimer Saccharide Recognition

559 Asymmetric Construction of Quaternary Stereogenic Centers via Auxiliary-Based S_N2' Reactions: A Case of 1,7-Relative Stereogenesis

Scott E. Denmark* and Lyndon K. Marble



Allylic Substitution Organocopper Reagent Remote Stereocontrol Quaternary Stereogenic Center

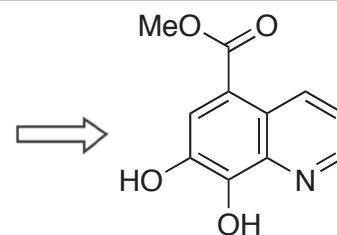
■ SHORT PAPERS

591 Aaptoline A, a New Quinoline Alkaloid from the Marine Sponge *Aaptos suberitoides*

Yodai Kudo, Hikaru Kato, Henki Rotinsulu, Fitje Losung, Remy E. P. Mangindaan, Nicole J. de Voogd, and Sachiko Tsukamoto*



Aaptos suberitoides

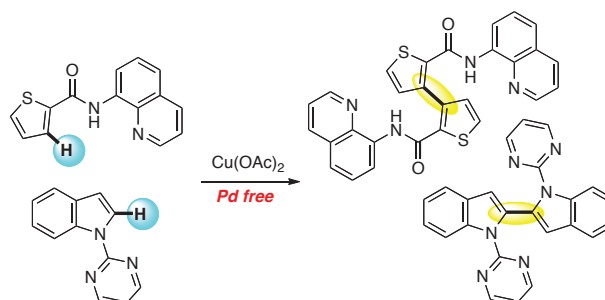


aaptoline A

Quinoline Alkaloid Marine Sponge *Aaptos suberitoides*

595 Copper-Mediated Regioselective Homocoupling of Thiophenes and Indoles via Directed C–H Cleavage

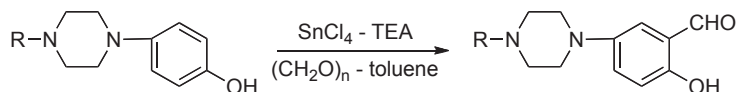
Riko Odani, Mayuko Nishino, Koji Hirano,* Tetsuya Satoh, and Masahiro Miura*



Bisthiophene Bisindole Homocoupling Reaction Copper Reagent

603 Lewis Acid-Catalyzed Formylation Reaction of 4-(Piperazin-1-yl)phenols

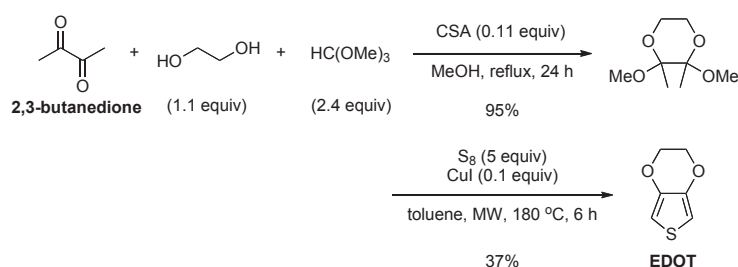
Giuseppe Cremonesi, Piero Dalla Croce,* and Concetta La Rosa



Formylation Reaction Salicylaldehyde Friedel-Crafts Reaction 4-(Piperazin-1-yl)phenol

607 Two-Step Synthesis of 3,4-Ethylenedioxythiophene (EDOT) from 2,3-Butanedione

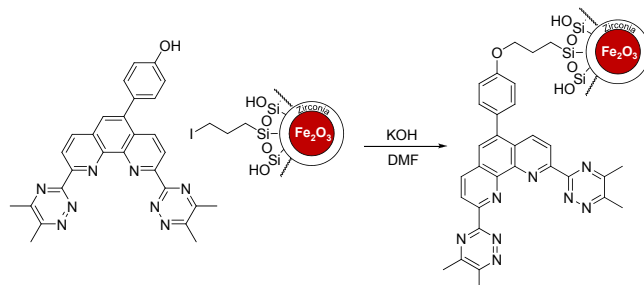
Iwao Hachiya, Toshihiro Yamamoto, Tatsuhiko Inagaki, Tomohiro Matsumoto, Atsushi Takahashi, Isao Mizota, and Makoto Shimizu*



3,4-Ethylenedioxythiophene 2,3-Dimethoxy-2,3-dimethyl-1,4-dioxane Microwave Irradiation [4+1] Addition Reaction

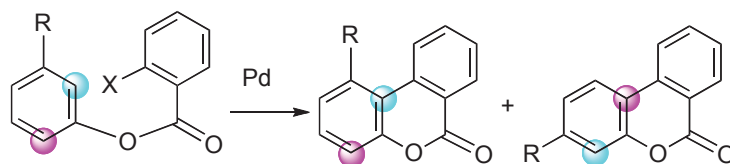
613 Immobilisation of Phenanthroline-Bis Triazine (C1-BTPhen) on Magnetic Nanoparticles for Co-Extraction of Americium(III) and Europium(III)

Ashfaq Afsar, Dominic L. Laventine, Laurence M. Harwood,* Michael J. Hudson, and Andreas Geist


 C1-BTPhen Ligand Maghemite (γ - Fe_2O_3) MNPs Iodo-Functionalized Zirconia-Coated MNPs Am(III) and Eu(III) Co-Extraction

621 Regioselectivity of the Intramolecular Biaryl Coupling Reaction of 3-Substituted Phenyl 2-Iodobenzoate using a Palladium Reagent

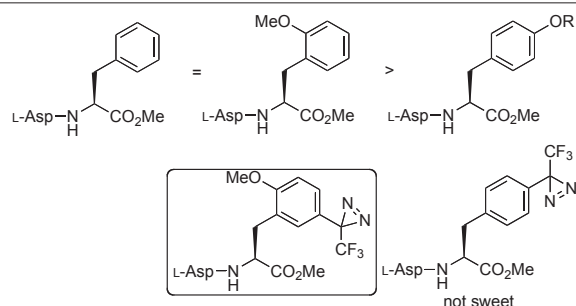
Kazuhiro Maeda, Takuya Matsukihira, Shumpei Saga, Yasuo Takeuchi,* Takashi Harayama, Yoshikazu Horino, and Hitoshi Abe*



Regioselectivity Palladium Reagent Coupling Reaction

629 Synthesis of Methoxy-Substituted Diaziriny Phenylalanine – A Novel Photoreactive Aspartame Derivative for Functional Analysis of Sweet Receptors

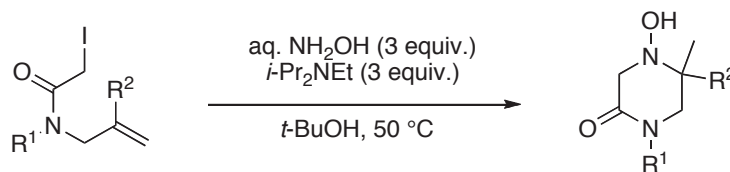
Munenori Sakurai, Katsuyoshi Masuda, Lei Wang, Yuta Murai, Yasuko Sakihama, Yasuyuki Hashidoko, Yasumaru Hatanaka, and Makoto Hashimoto*



Aspartame Photoaffinity Label Diazirine Sweet Receptor Phenylalanine

639 Expedient Synthesis of 2-Oxopiperazines Using a S_N2 / Cope-Type Hydroamination Sequence

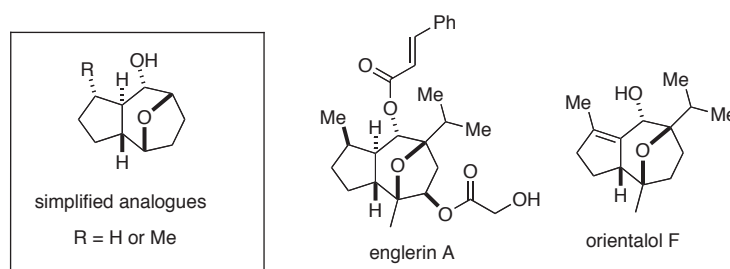
Nicolas Das Neves, Michaël Raymond, and André M. Beauchemin*



Piperazine Cascade Reaction Hydroxylamine Concerted Hydroamination Heterocyclic Synthesis

651 Synthesis of Oxygen-Bridged Decahydroazulene Derivatives: Simplified Analogues of Biologically Active Natural Products

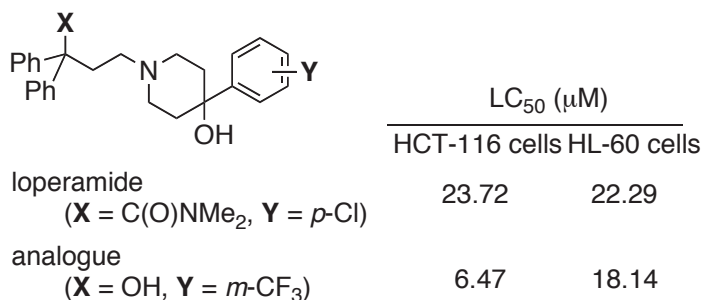
Hideki Abe, Akira Tezuka, Toyoharu Kobayashi, and Hisanaka Ito*



Oxygen-Bridged Decahydroazulene Derivative Structurally Simplified Analogue Englerin A Orientalol F Intramolecular Aldol Condensation

663 Synthesis of 4-Arylpiperidin-4-ol Derivatives of Loperamide as Agents with Potent Antiproliferative Effects against HCT-116 and HL-60 Cells

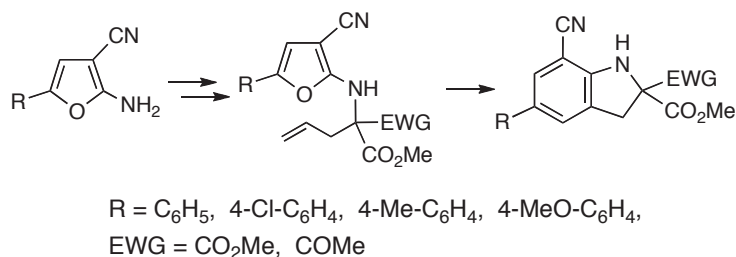
Noriyuki Hatae,* Tomoyuki Nagayama, Hiroyoshi Esaki, Eiko Kujime, Masabumi Minami, Minoru Ishikura, Tominari Choshi, Satoshi Hibino, Chiaki Okada, Eiko Toyota, Hideko Nagasawa, and Tatsunori Iwamura*



Loperamide Antiproliferative Activity Opioid Apoptosis Caspase-3

675 An Approach to the Synthesis of Novel Dihydroindoles Bearing Electron-Withdrawing Groups at C-2 Position

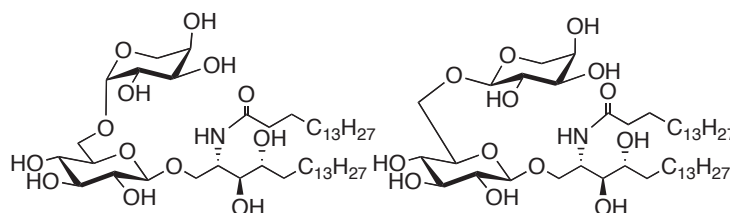
Fumi Okabe, Hiroshi Maruoka,* Masaru Takasu, Eiichi Masumoto, Toshihiro Fujioka, and Kenji Yamagata



Furan Diels-Alder Reaction Indoline Diazo Compound Insertion Reaction

689 Synthetic Studies on Glycosphingolipids from Protostomia Phyla: Synthesis of Glycosphingolipid from the Marine Sponge *Sphēciospongia vesparia* and Its Analogue

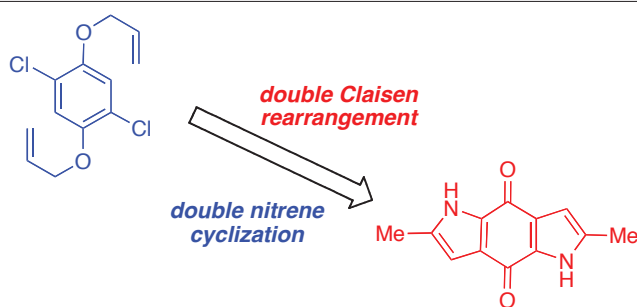
Noriyasu Hada, Akira Miyamura, Isao Ohtsuka, and Fumiyuki Kiuchi*



Glycosphingolipid Synthesis Marine Sponge Arabinopyranoside

705 Two-Directional Synthesis of 2,6-Dimethylpyrrolo-[2,3-*f*]indole-4,8-dione by Double Claisen Rearrangement and Nitrene Cyclization

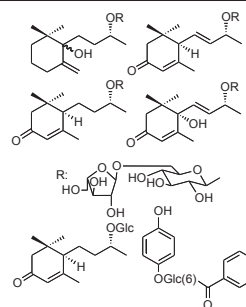
Andrea Visconti and Christopher J. Moody*



Indole Pyrrole Claisen Rearrangement Nitrene Cyclization

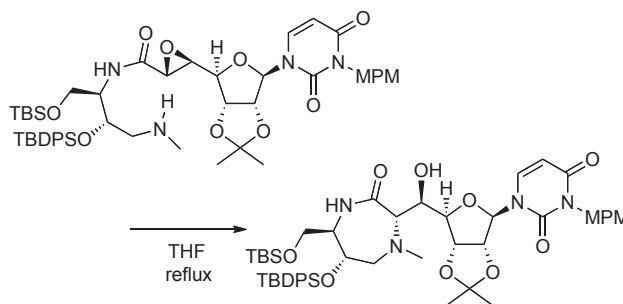
711 One New Megastigmane Glycoside with a Double Bond at a Rare Position from the Leaves of *Antidesma pentandrum* var. *barbatum*

Ayumi Iha, Sachiko Sugimoto, Katsuyoshi Matsunami, Hideaki Otsuka,* and Yoshio Takeda


Antidesma pentandrum var. *barbatum* Euphorbiaceae Megastigmane Glycoside Arabinofuranoside Modified Mosher's Method

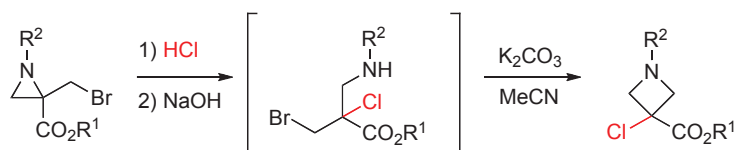
719 Synthesis of the Diazepanone-Nucleoside Core Structure of Liposidomycins and Caprazamycins Based on 7-*Exo* Cyclization of Epoxyamine

Hiroaki Miyaoka,* Jumpei Wada, and Etsuko Kawashima


 Diazepanone 7-*exo* Cyclization Nucleoside Caprazamycin Liposidomycin

731 Synthesis of Alkyl 3-Chloroazetidine-3-carboxylates via Regioselective Ring Transformation of Alkyl 2-(Bromomethyl)aziridine-2-carboxylates

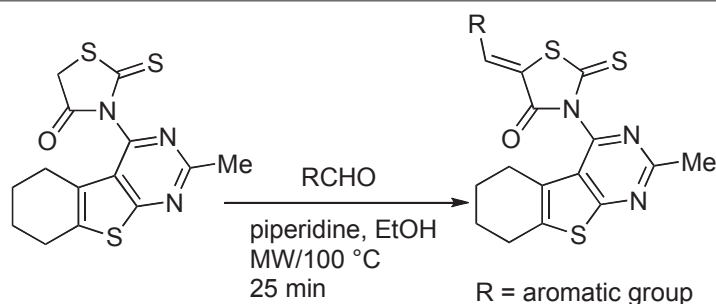
Asta Žukauskaitė, Sven Mangelinckx, Algirdas Šačkus, and Norbert De Kimpe*



Aziridine Azetidine Ring Opening Reaction Ring Closure Reaction Ring Transformation

741 Synthesis of Novel 5-Aryl/Hetarylidenyl-3-(2-Methyl-5,6,7,8-tetrahydrobenzo[4,5]thieno-[2,3-*d'*]pyrimidin-4-yl)-2-thioxothiazolidin-4-ones

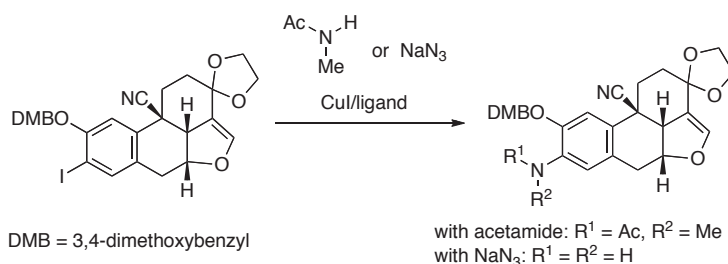
Kimberly Mendoza, Sukanta Kamila, and Edward R. Biehl*



Rhodanine Knoevenagel Condensation Microwave Heating 5,6,7,8-Tetrahydrobenzothiothiophene Pyrimidine-4-amine

755 Synthesis of 8-Amino-(dihydrofuran-Fused Perhydrophenanthrene) via Copper-Mediated Amination Reaction

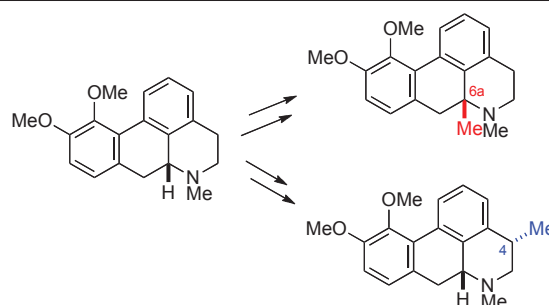
Kenji Sugimoto, Kosuke Tamura, Naoki Toyooka, and Yuji Matsuya*



Dihydrofuran-Fused Perhydrophenanthrene Copper-Mediated Amination Reaction Aniline DMB Ether

765 Regio- and Stereoselective Derivatisation of an Aporphine Scaffold

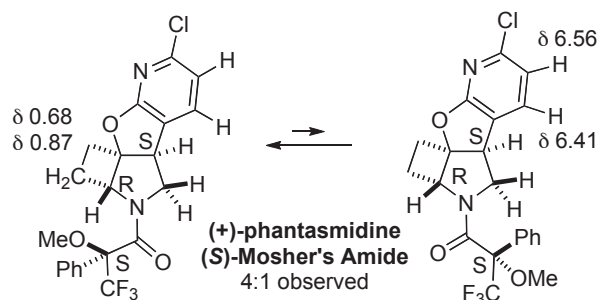
Jonathan D. M. Atkinson, Stephen G. Davies,* and James E. Thomson



Aporphine Alkaloid Arene Chromium Tricarbonyl Regioselective Reaction Diastereoselective Reaction

779 Mosher's Amide-Based Assignment of the Absolute Configuration of Phantasmidine

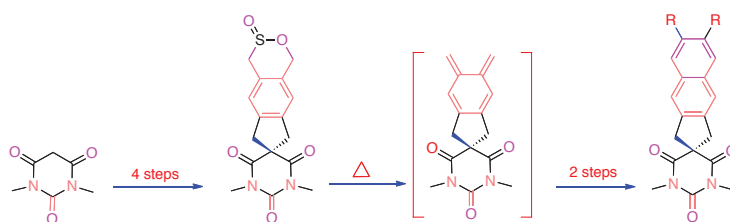
Quan Zhou and Barry B. Snider*



Alkaloid Absolute Configuration Conformational Analysis Mosher's Amide

789 Diversity Oriented Approach to Spirobarbituric Acid Derivatives via a [2+2+2] Cycloaddition and Diels–Alder Reaction as Key Steps

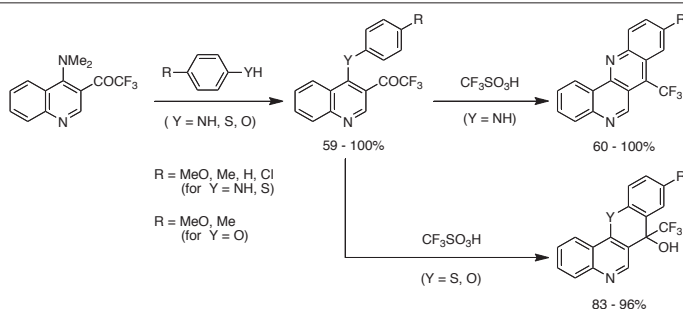
Sambasivarao Kotha* and Rashid Ali



Spirocyclic Compound Rongalite 1,3-Dimethylbarbituric Acid [2+2+2] Cycloaddition Reaction Diels-Alder Reaction

799 A Facile and Convenient Synthetic Method for Fluorine-Containing Dibenzo[*b,h*][1,6]naphthyridines, Thiochromeno[3,2-*c*]quinolines, and Chromeno[3,2-*c*]quinolines

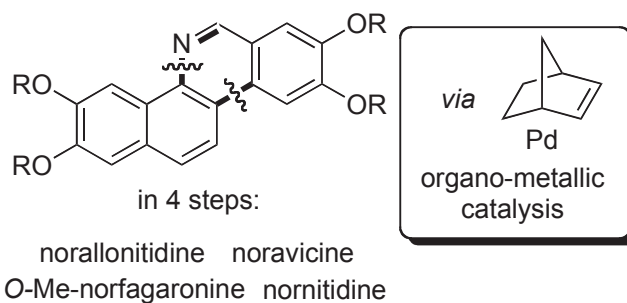
Etsuji Okada,* Mizuki Hatakenaka, Masayuki Kuratani, Takashi Mori, and Takuro Ashida



Dibenzonaphthyridine Thiochromenoquinoline Chromenoquinoline Fluorine-Containing Heterocycle Acid-Catalyzed Cyclization

807 **Rapid and Convergent Assembly of Natural Benzo[*c*]phenanthridines by Palladium/Norbornene Catalysis**

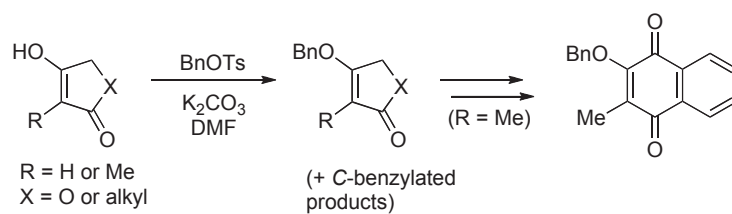
Pierre-Alexandre Deyris, Tatiana Caneque-Cobo, Filipe Gomes, Vanessa Narbonne, Giovanni Maestri,* and Max Malacria*



Catalysis Alkaloid Pd(IV) Catalyst Cross-Coupling Reaction

817 **Selective Synthesis of Benzyl Enol Ethers of β -Dicarbonyl Compounds in Basic Condition and the Application Towards Synthesis of Naphthoquinones**

Kazuaki Katakawa, Dai Yonenaga, Tomoyo Terada, Naoya Aida, Airi Sakamoto, Keishi Hoshino, and Takuya Kumamoto*



Tetronic Acid Benzylation Diels-Alder Reaction Benzynes Naphthoquinone

Contributors To This Issue

- 547 Abe, Hajime
 651 Abe, Hideki
 621 Abe, Hitoshi
 463 Abe, Noritaka
 187 Abe, Takumi
 613 Afsar, Ashfaq
 817 Aida, Naoya
 261 Akazome, Motohiro
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