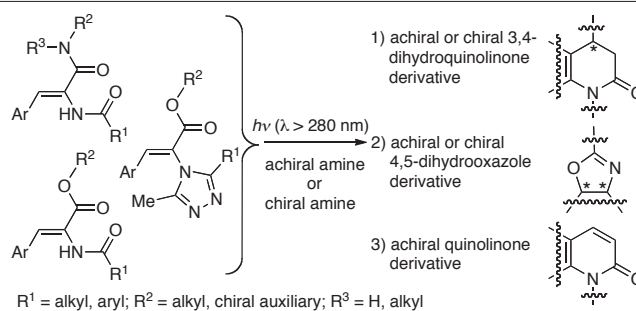


■ REVIEW

 579 **Photoinduced Electron Transfer-Initiated Cyclization Reactions and Asymmetric Transformations of (*Z*)- α -Dehydroamino Acid Derivatives**

Tetsutaro Igarashi and Tadimitsu Sakurai*


N-Acyl- α -dehydroamino Acid Derivative

Aliphatic Amine

Photoinduced Electron Transfer

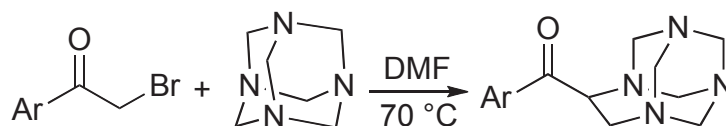
Photocyclization

Asymmetric Photocyclization

■ COMMUNICATIONS

 627 **Synthesis and Characterization of Phenyl(1,3,6,8-tetraazatricyclo[4.3.1.1^{3,8}]undecan-4-yl)methanone and Its Derivatives**

Cong Liu, Rongji Dai,* Guowei Yao, and Yulin Deng*



Hexamine

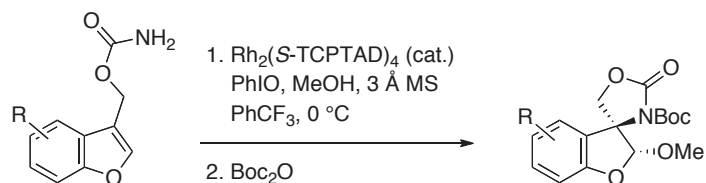
TATU

2-Bromo-1-arylethanone

 Phenyl(1,3,6,8-tetraazatricyclo[4.3.1.1^{3,8}]undecan-4-yl)methanone

 631 **Enantioselective Intramolecular Aza-Spiroannulation onto Benzofurans Using Chiral Rhodium Catalysis**

Takuro Shibuta, Shigeki Sato, Masatoshi Shibuya, Naoki Kanoh, Tohru Taniguchi, Kenji Monde, and Yoshiharu Iwabuchi*



9 examples, up to 92% ee

Chiral Rhodium Nitrene

Aza-Spiroannulation Reaction

3-Amino-2,3-benzofuran

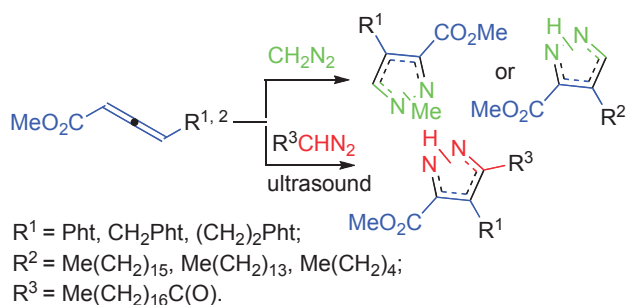
Fumimycin

Vibrational Circular Dichroism (VCD)

■ PAPERS

641 Synthesis of Pyrazoles Based on Functionalized Allenates

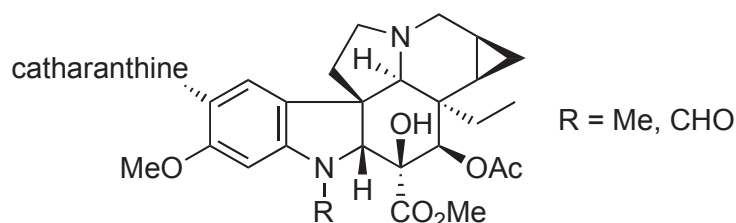
Ilshat M. Sakhautdinov,* Aynur M. Gumerov, Inur R. Batyrshin, Akhnaf A. Fatykhov, Kyrill Yu. Suponitsky, and Marat S. Yunusov



Allene Pyrazole 1,3-Dipolar Cycloaddition Reaction Diazo Compound Regioselectivity

653 Bisindole Alkaloids Condensed with a Cyclopropane Ring, Part 1. 14,15-Cyclopropanovinblastine and -vincristine

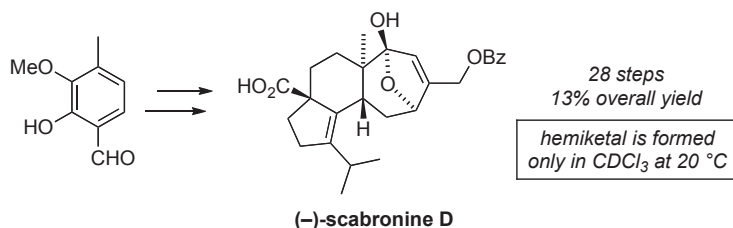
Péter Keglevich, László Hazai, Zsófia Dubrovay, Miklós Dékány, Csaba Szántay, Jr., György Kalas, and Csaba Szántay*



Cyclopropanation Cyclopropanovindoline Cyclopropanovinblastine Cyclopropanovincristine Anticancer Activity

669 Enantioselective Total Synthesis of (–)-Scabronine D

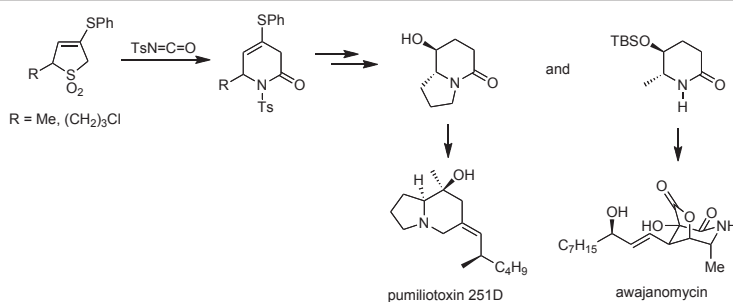
Yu Kobayakawa and Masahisa Nakada*



Dearomatization Reaction Enantioselective Reaction Inverse Electron Demand Diels-Alder Reaction Scabronine Total Synthesis

679 Synthesis of the Precursors of Pumiliotoxin 251D and Awajanomycin and Related Studies

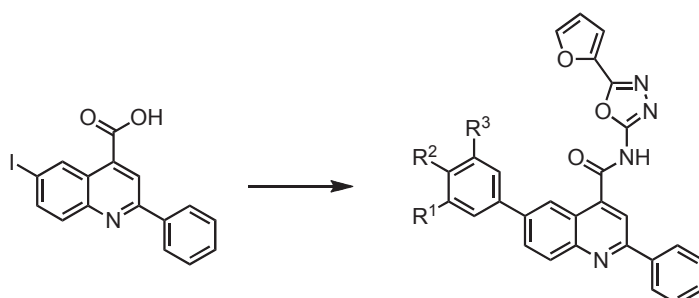
Shang-Shing P. Chou,* Kuo-Shiun Yang, and Tzu-Han Chiu



Aza-Diels-Alder Reaction *trans*-5,6-Dihydropyridinone Formal Synthesis Pumiliotoxin 251D Awajanomycin

693 Facile Synthesis of 2-Phenylquinoline-4-carboxamide Derivatives with Variant Structural Features

Rafiqul Islam, Md. Imran Hossain, Yoshinari Okamoto, Tomohisa Nagamatsu, Kensaku Anraku, and Tadashi Okawara*

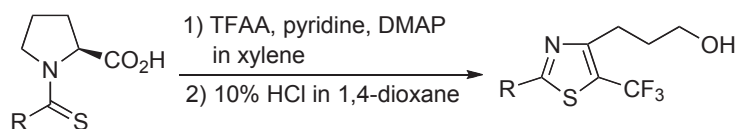


Quinoline Scaffold Diverse Chemotherapeutic Activity Suzuki Coupling Reaction

■ SHORT PAPERS

709 Dakin-West Reaction of *N*-Thioacylprolines Using Trifluoroacetic Anhydride: Novel Access to 5-Trifluoromethylthiazoles

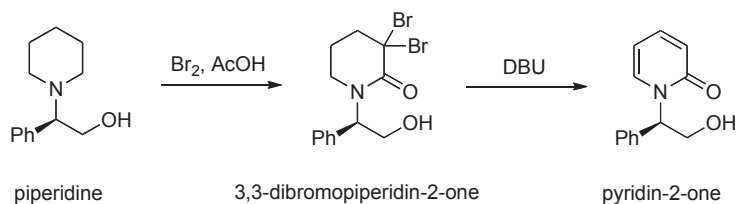
Yuri Hagimoto, Ryosuke Saijo, and Masami Kawase*



Dakin-West Reaction 5-Trifluoromethylthiazole Thioamide Proline

725 Oxidation and Aromatization of the Enantiopure Piperidine Derived from (*R*)-(-)-2-Phenylglycinol to (1'*R*)-(-)-1-(2'-Hydroxy-1'-phenylethyl)-1*H*-pyridin-2-one

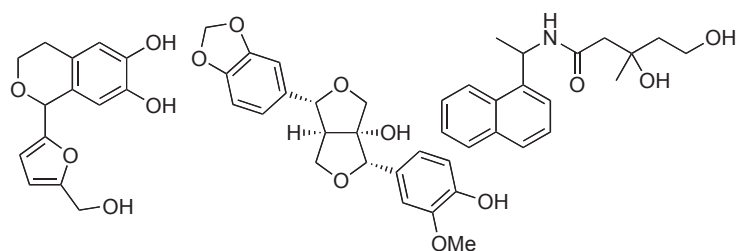
Alejandro Castro, Oscar Romero, Joel L. Terán, Dino Gnecco, Laura Orea, Angel Mendoza, and Jorge R. Juárez*



Oxidation Aromatization Reaction Pyridin-2-one

731 New Compounds from *Tabebuia avellanedae*

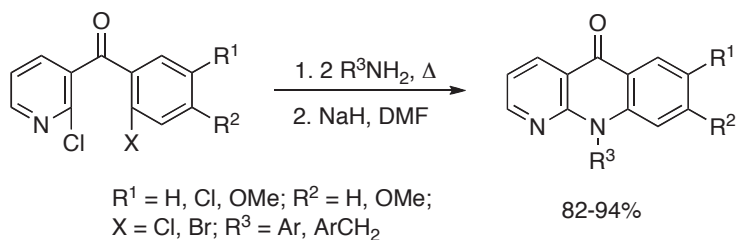
Li Zhang, Isao Hasegawa, Takanori Tatsuno, Tetsuro Kawabata, Tomihisa Ohta, and Takeshi Tadano*


 new compounds from *Tabebuia avellanedae* Lorentz ex Griseb

Tabebuia avellanedae Isochroman Amide Lignan

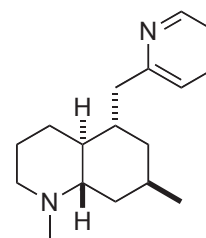
739 Synthesis of 10-Substituted Benzo[*b*][1,8]naphthyridin-5(10*H*)-ones Based on the Reaction of (2-Chloropyridin-3-yl)(2-halophenyl)methanones with Primary Amines

Kazuhiro Kobayashi,* Shohei Yuba, and Toshihide Komatsu


 Benzo[*b*][1,8]naphthyridin-5(10*H*)-one Benzo[*b*][1,7]naphthyridin-5(10*H*)-one 2-Chloropyridine 3-Chloropyridine Ring Closure Reaction

747 Serralongamine A, a New *Lycopodium* Alkaloid from *Lycopodium serratum* var. *longipetiolatum*

Wen-Ping Jiang, Kan'ichiro Ishiuchi, Jin-Bin Wu,* and Susumu Kitanaka*

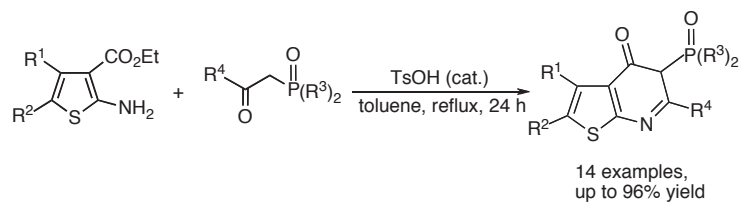


serralongamine A

 Alkaloid *Lycopodium* Serralongamine A

753 Simple and Efficient Synthesis of Phosphorylated Thienopyridones from 2-Aminothiophene-3-carboxylates and β -Phosphonylketones

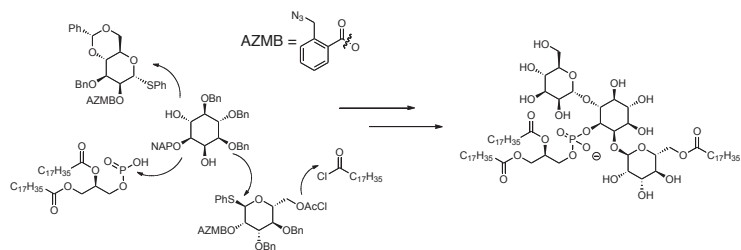
Khaoula Khalladi and Soufiane Touil*



Thienopyridone Phosphorylated Heterocycle Fused Heterocycle β -Phosphonylketone 2-Aminothiophene-3-carboxylate

763 Synthesis of a Phosphatidylinositol Dimannoside Using 2-(Azidomethyl)benzoate Mannosyl Donors

Shuichi Ohira, Yoshiki Yamaguchi, Takashi Takahashi, and Hiroshi Tanaka*



Glycosylation One-Pot Glycosylation Regioselective Glycosylation Oligosaccharide Innate Immunity

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 775 Polyketides
- 780 Aromatics
- 788 Terpenes
- 802 Steroids
- 803 Alkaloids
- 813 Miscellaneous

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 817 Polyketides
 - 821 Aromatics
 - 825 Terpenes
 - 829 Steroids
 - 830 Alkaloids
-
-

**Contributors
To This Issue**

- 693 Anraku, Kensaku
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747 Wu, Jin-Bin
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627 Yao, Guowei
739 Yuba, Shohei
641 Yunusov, Marat S.
731 Zhang, Li