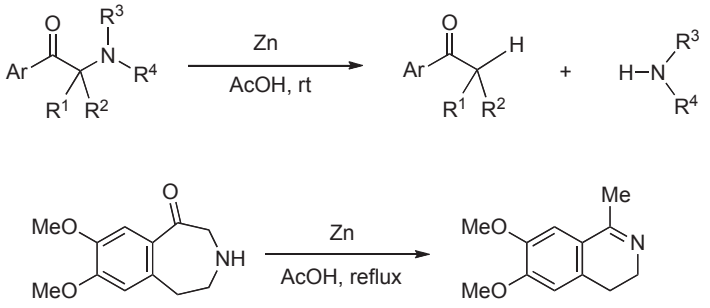
■ REVIEWS

■ COMMUNICATIONS

■ PAPERS

1051 **Zinc-Acetic Acid Promoted Reductive Carbon-Nitrogen Bond Cleavage Reaction of α-Aminoketones**

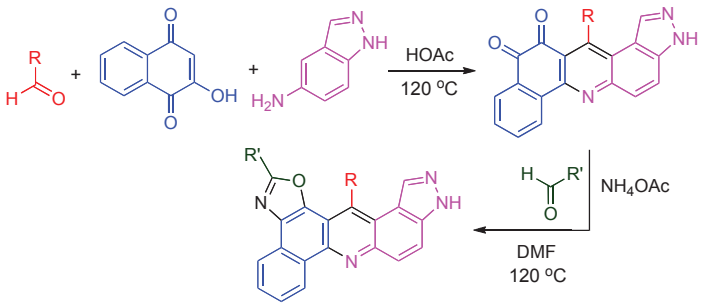
Kyoko Ishikawa, Miyuki Tomatsu, Hiroshi Nagase, and Hideaki Fujii*



α-Aminoketone Selective Reductive C-N Bond Cleavage Zinc-Acetic Acid Promoted Reaction Activation of Carbonyl Group

1065 **Regioselective Multicomponent Domino Reactions Providing Rapid and Efficient Routes to Fused Acridines**

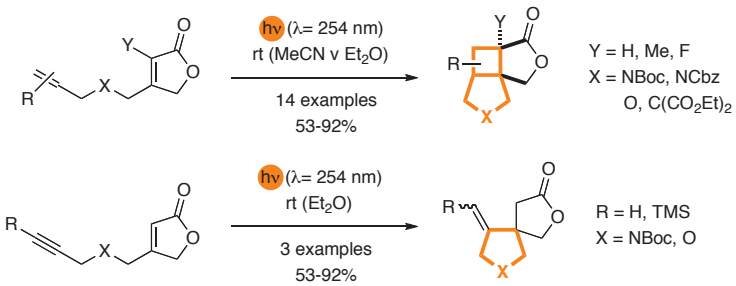
Jin-Peng Zhang, Wei Fan, Jie Ding, Bo Jiang,* Shu-Jiang Tu,* and Guigen Li



Multicomponent Regioselective Domino Reaction Microwave Irradiation Pyrazole-Fused Benzo[*h*]acridine Oxazole-Fused Pyrazolo[3,4-*j*]acridine

1079 **Photochemical Reactions of Prop-2-enyl and Prop-2-ynyl Substituted 4-Aminomethyl- and 4-Oxymethyl-2(5*H*)-furanones**

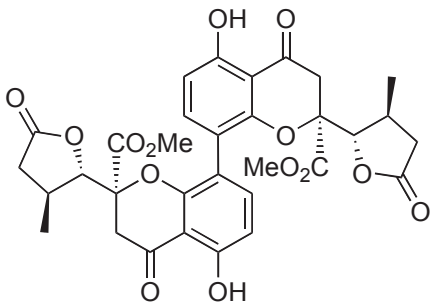
Diego A. Fort, Thomas J. Woltering, André M. Alker, and Thorsten Bach*



[2+2] Photocycloaddition Reaction Photochemistry Cyclobutane Spiro-Compound Lactone

1101 **The Paecilin Puzzle – Enantioselective Synthesis of the Proposed Structures of Paecilin A and B**

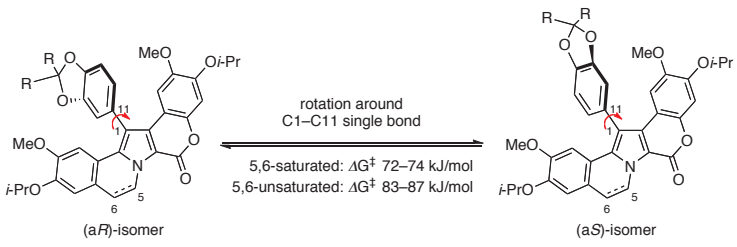
Lutz F. Tietze,* Ling Ma, Stefan Jackenkroll, Johannes R. Reiner, Judith Hierold, Boopathy Gnanaprakasam, and Sven Heidemann



Enantioselective Reaction Paecilin Palladium Transition Metal Catalysis Wacker Oxidation

1121 **Rotational Energy Barrier around the C1–C11 Single Bond in Lamellarins: A Study by Variable-Temperature NMR**

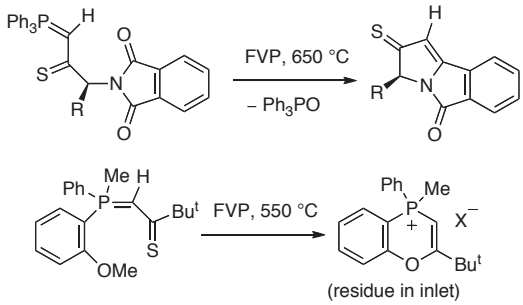
Tsutomu Fukuda, Ryosuke Itoyama, Terufusa Minagawa, and Masatomo Iwao*



Lamellarin Analogue Rotational Energy Barrier Variable Temperature NMR Measurement

1135 **Formation of Unexpected Heterocyclic Products from Pyrolysis of Thiocarbonyl Stabilised Phosphonium Ylides**

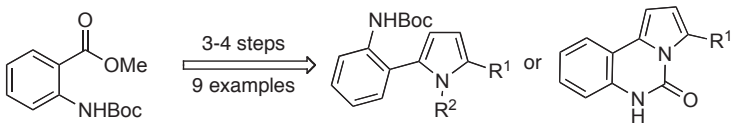
R. Alan Aitken,* Graeme Barker, Lee P. Cleghorn, Euan J. Reid, and Sheryl S. Roberts



Phosphonium Ylide Pyrroloisoindole 1,4-Benzoxaphosphininium Salt Pyrolysis

1149 **Aminophenylpyrrole Synthesis and Application to Pyrrolo[1,2-*c*]quinazolinone Synthesis**

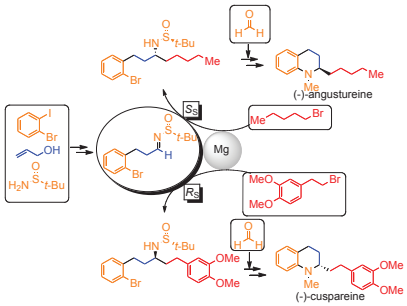
Aurélie A. Dörr and William D. Lubell*



Aminophenylpyrrole Pyrrolo[1,2-*c*]quinazolinone Methyl Anthranilate Vinyl Grignard Reagent Copper-Catalyzed Cascade Reaction

1163 **Enantioselective Synthesis of Tetrahydroquinoline Alkaloids (-)-Angustureine and (-)-Cuspareine from Chiral *tert*-Butanesulfinyl Imines**

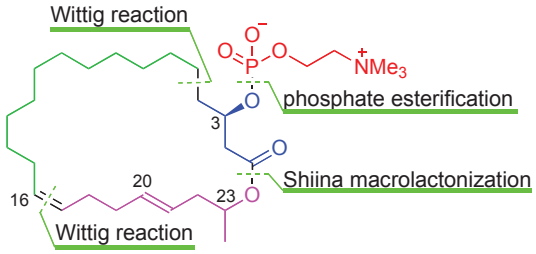
Juan A. Sirvent, Francisco Foubelo,* and Miguel Yus*



Tetrahydroquinoline Alkaloid (-)-Angustureine (-)-Cuspareine *tert*-Butanesulfinyl Imine Diastereoselective Addition

1175 **Total Synthesis of the Proposed Structures of Eushearilide**

Takayasu Yamauchi,* Jun-ichi Takidaira, Kenya Okamoto, Takaya Sugiura, Hiroki Horikoshi, Shintaro Kudo, Shigeru Sasaki, Noriko Mizushima, and Kimio Higashiyama



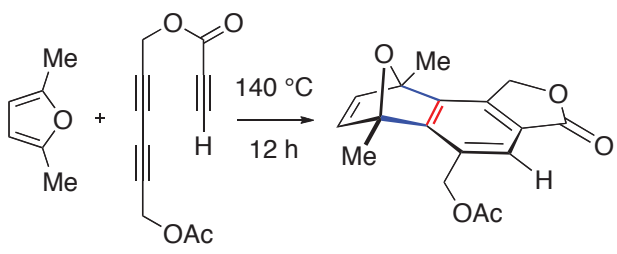
(23*S*)- and (23*R*)-eushearilide

Macrolide Antifungal Activity Shiina Reagent Choline

1191 **Cycloaddition Reactions of Azide, Furan, and Pyrrole Units with Benzynes Generated by the Hexadehydro-Diels–Alder (HDDA) Reaction**

Junhua Chen, Beeraiah Baire, and Thomas R. Hoye*

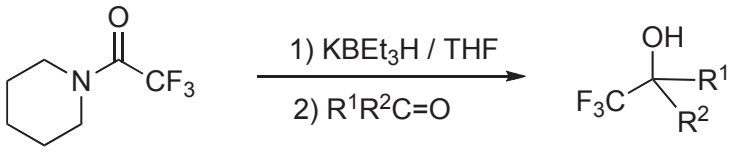
hexadehydro-Diels–Alder cascades to polycyclic heterocycles



Aryne Polycyclic Compound Triazole

1201 **Polyfluoroalkylation of Carbonyl Compounds by Polyfluoroalkyl Anions Generated from Polyfluorcarboxamides**

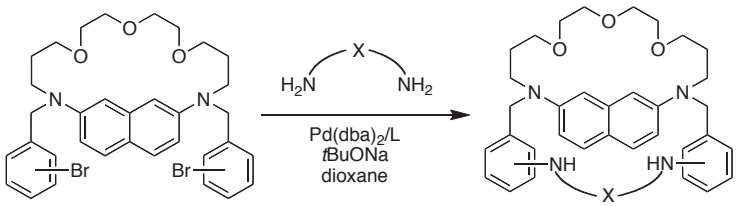
Natshumi Wakita and Shoji Hara*



(Polyfluoroalkanoyl)piperidine Polyfluoroalkylation Reaction

1213 **Synthesis of Macrobicycles Comprising 2,7-Diaminonaphthalene Moiety via Palladium-Catalyzed Amination Reaction**

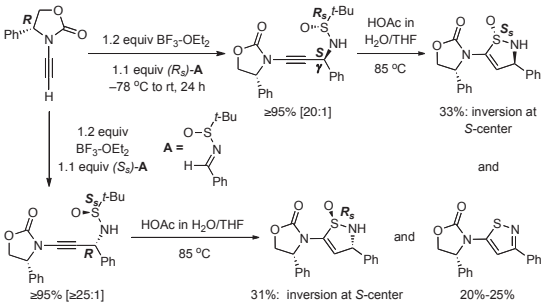
Alexei N. Uglov, Georgii A. Zubrienko, Anton S. Abel, Alexei D. Averin, Olga A. Maloshitskaya, Alla Bessmertnykh-Lemeune, Franck Denat, and Irina P. Beletskaya*



Macrocycle Palladium Catalysis Polyamine Macrobicycle Amination

1233 **Synthesis of *de novo* Chiral γ-Amino-ynamides Using Lithiated Ynamides. Observation of a Unique 5-*endo-dig* Cyclization with an Inversion of *S*-Center**

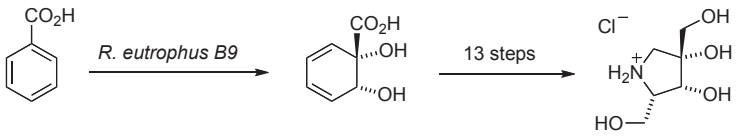
Xiao-Na Wang, Richard P. Hsung,* Sierra K. Fox, Ming-Can Lv, and Rui Qi



Ynamide Lithiation Ellman-Davis Chiral Imine Inversion of *S*-Center 5-*endo-dig* Cyclization

1255 **Chemoenzymatic Approach to Synthesis of Hydroxylated Pyrrolidines from Benzoic Acid**

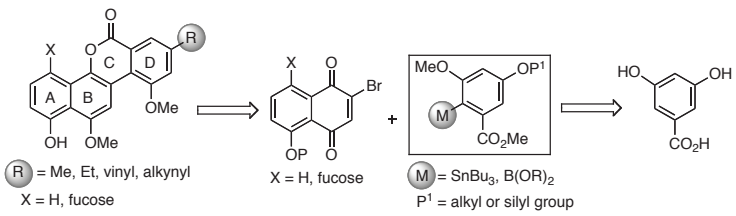
David R. Adams, Johannes van Kempen, Jason R. Hudlicky, and Tomas Hudlicky*



Chemoenzymatic Synthesis Pyrrolidine Azasugar Iminosugar

1275 **Regioselective Bromination: An Approach to the D-Ring of the Gilvocarcins**

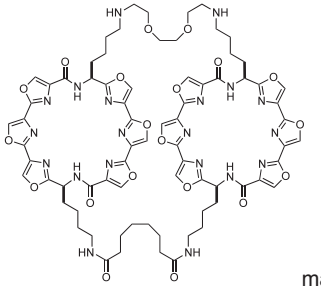
Ehesan U. Sharif and George A. O'Doherty*



Gilvocarcin Regioselective Bromination 1,2,3,5-Tetrasubstituted Benzoic Acid Boration Stannation

1287 **Synthesis of Macrocyclic Dimer of Cyclic Hexaoxazole and Examination of Its Interaction with Telomeric Oligonucleotide**

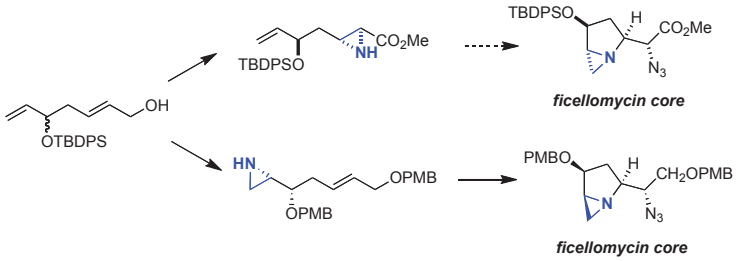
Keisuke Iida, Gen Tsubouchi, Takahiro Nakamura, and Kazuo Nagasawa*



Telomestatin Telomeric G-Quadruplex G-Quadruplex Ligand Polyoxazole Macrocycle

1299 **Synthesis of Functionalized 1-Azabicyclo[3.1.0]hexanes: Studies towards Ficellomycin and Its Analogs**

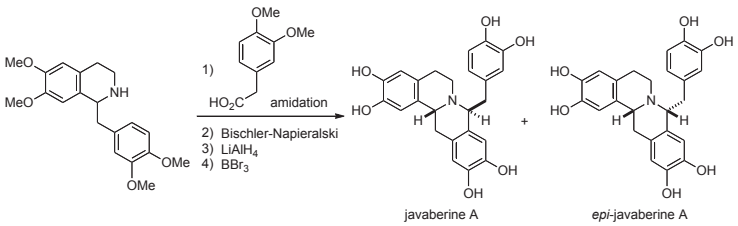
Gang Chen, Zhi He, and Andrei K. Yudin*



Ficellomycin Aziridine Cycloamination Reaction Stereoselectivity Regioselectivity

1311 **Total Synthesis of 8-*epi*-Javaberine A and Javaberine A**

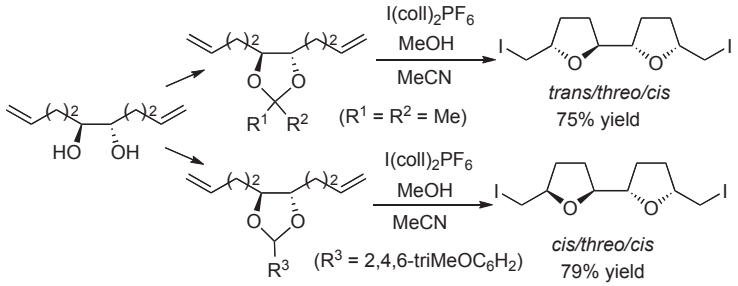
Yasutomo Yamamoto,* Yuri Tabuchi, Ayana Baba, Kumiko Hideshima, Mai Nakano, Akari Miyawaki, and Kiyoshi Tomioka*



8-Benzyltetrahydroprotoberberine Alkaloid Synthesis

1323 **Selective Formation of *trans/threo/cis* and *cis/threo/cis* Bis-Tetrahydrofurans from the Same Diene Diols**

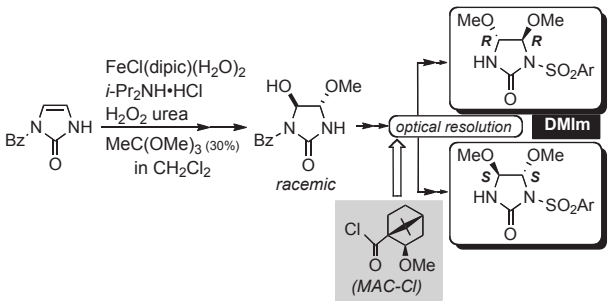
Hiromichi Fujioka,* Tomohiro Oki, Tatsuya Hayashi, Maki Yamakawa, Takeshi Kurachi, Kenji Nakahara, Ryota Maehata, Tomohito Hamada, Kenichi Murai, and Yasuyuki Kita



trans/threo/cis and *cis/threo/cis*-Bis-Tetrahydrofurans Selective Formation Double Intramolecular Iodoetherification Reaction

1337 **Highly Efficient Preparation of Both Enantiomers of Versatile Chiral Synthon for 1,2-Diamines via the Fe(III)-Catalyzed Oxidation of 2-Imidazolone**

Hirofumi Matsunaga,* Iori Eshita, Shoichi Tsunoda, Naoko Ishimoto, Shin Ando, and Tadao Ishizuka*

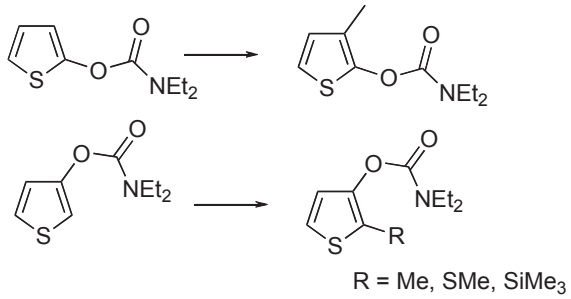


2-Imidazolone Fe(III)-Catalyzed Oxidation 1,2-Diamine 2-Imidazolidinone H_2O_2-Urea

■ SHORT PAPERS

1565 ***o*-Directed Lithiation of Acylated Hydroxythiophenes**

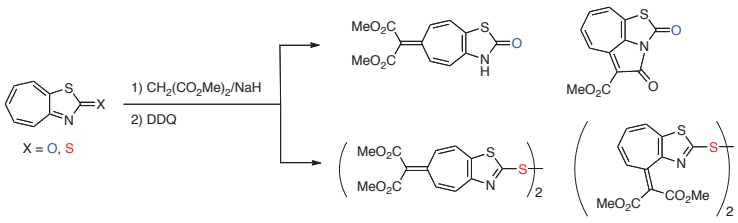
Ineta Vendina, Anete Parkova, and Peteris Trapencieris*



2-Hydroxythiophene 3-Hydroxythiophene Directed *ortho*-Lithiation Deprotonation

1573 **Preparation of New Heptafulvenes and the Related Compounds Derived from 2*H*-Cyclohepta[*d*]thiazol-2-one and -2-thione**

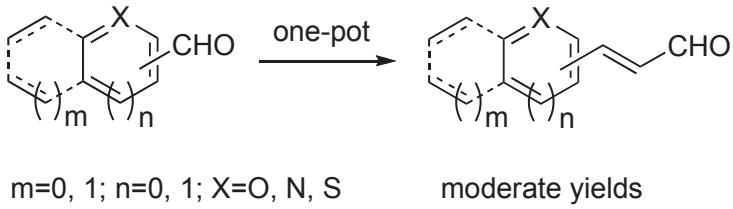
Ohki Sato,* Nobuhiro Ando, and Tatsuro Toma



2*H*-Cyclohepta[*d*]thiazol-2-one 2*H*-Cyclohepta[*d*]thiazol-2-thione Dimethyl Malonate Heptafulvene Thiazole

1581 **Rare Earth Triflates/Chlorotrimethylsilane-Promoted One-Pot Synthesis of Enals**

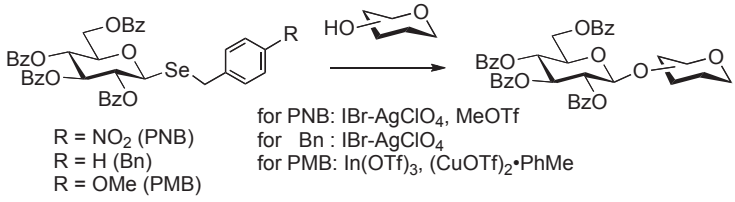
Natsuko Kagawa, Yoshiko Sasaki, Shoko Sakaguchi, Ayumi Nagatomo, Hideo Kojima, and Masahiro Toyota*



Enal Rare Earth Metal Triflate Chlorotrimethylsilane One-Pot Synthesis

1587 **Glycosidation Reactions of Benzyl-Type Selenoglycoside Donors**

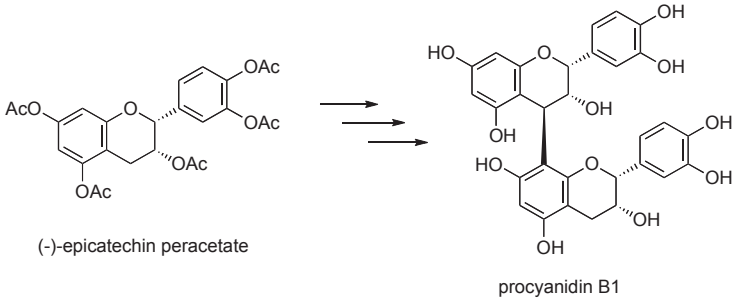
Masanori Menjo, Hideki Tamai, Hiromune Ando,* Hideharu Ishida, Mamoru Koketsu, and Makoto Kiso*



Glycosidation Reaction Selenoglycoisde Carbohydrate

1595 **Development of a New Synthetic Strategy for Procyanidin Dimer Condensation Using Peracetylated Electrophiles**

Sayaka Ishihara, Syoma Doi, Kota Harui, Taisuke Okamoto, Shuhei Okamoto, Joji Uenishi, Takashi Kawasaki, Noriyuki Nakajima,* and Akiko Saito*



Condensed Tannin Oligomeric Flavonoid Flavan-3-ol Peracetate Oligomer Synthesis Lewis Acid Mediated Coupling Reaction

Contributors To This Issue

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*Frontispiece Drawing