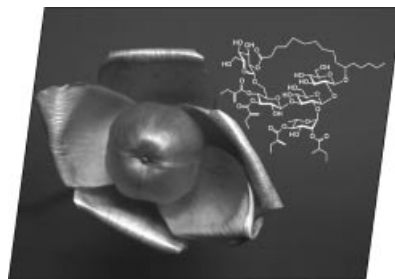


Earliest available Table of Contents:
 Automatically, free of charge by e-mail through
www.interscience.wiley.com/alerts

COVER PICTURE

The cover picture shows the dried calyx of *Ipomoea tuberosa* L. (*Merremia tuberosa*) which gives this plant its descriptive common name “woodrose”. One of its bioactive metabolites is the resin glycoside “woodrosin I” shown in the inset, the first total synthesis of which is summarized as part of the Microreview by A. Fürstner on the chemistry and biology of complex glycolipids on p. 943 ff.



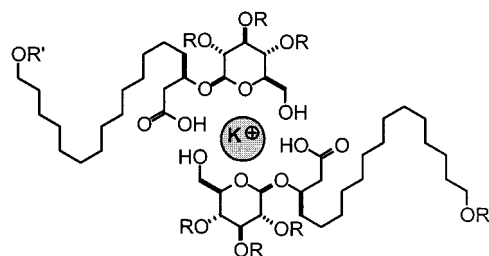
MICROREVIEW

Contents

943 A. Fürstner

Total Syntheses and Biological Assessment of
 Macrocyclic Glycolipids

Keywords: Carbohydrates / Glycosides / Macrolides /
 Metathesis / Natural products



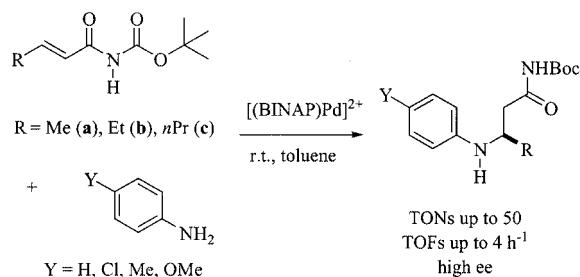
SHORT COMMUNICATION

959 K. Li, X. Cheng, K. K. M. Hii*



Asymmetric Synthesis of β -Amino Acid and Amide Derivatives by Catalytic Conjugate Addition of Aromatic Amines to *N*-Alkenoyl-carbamates

Keywords: Asymmetric catalysis / Amino acids / Enantioselectivity / Hydroamination / Palladium

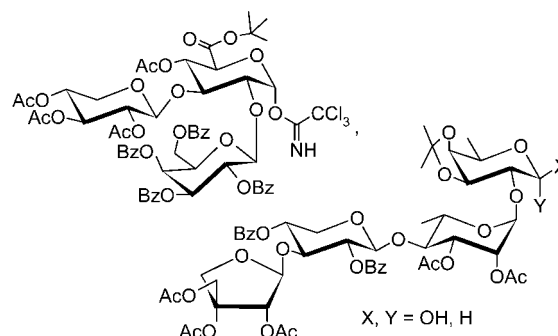


FULL PAPERS

965 X. Zhu, B. Yu, Y. Hui, R. R. Schmidt*

Synthesis of the Trisaccharide and Tetrasaccharide Moieties of the Potent Immunoconjugate QS-21

Keywords: Carbohydrates / Glycosylation / Glycosides / Immunostimulants / Saponin / Trichloroacetimidates

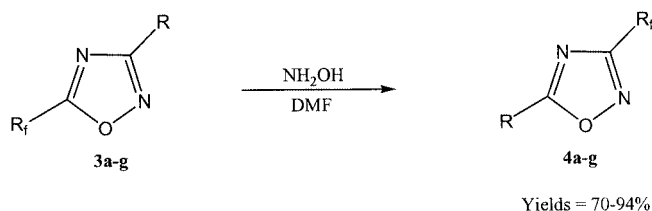


974 S. Buscemi, A. Pace, I. Pibiri, N. Vivona,*
C. Z. Lanza, D. Spinelli*



Fluorinated Heterocyclic Compounds – The First Example of an Irreversible Ring-Degenerate Rearrangement on Five-Membered Heterocycles by Attack of an External Bidentate Nucleophile

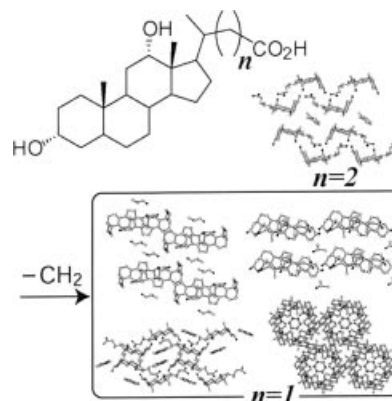
Keywords: Heterocycles / Nucleophilic substitution / Rearrangements / Ring–ring interconversion



981 K. Kato,* M. Sugahara, N. Tohnai, K. Sada,
M. Miyata*

Drastic Increase in the Flexibility of Open Host Frameworks of a Steroidal Host Compound upon Shortening Its Spacer

Keywords: Host frameworks / Host–guest systems / Hydrogen bonds / Inclusion crystals / Spacer

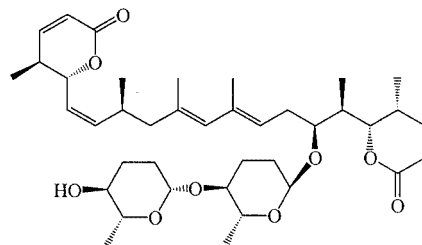


995

T. Řezanka,* R. Dvořáková, L. O. Hanuš,
V. M. Dembitsky

Lycoperdinoside A and B, New Glycosides from
the Slime Mold *Enteridium lycoperdon*

Keywords: Lycoperdinoside A and B / Glycosides /
Enteridium lycoperdon / Structure elucidation

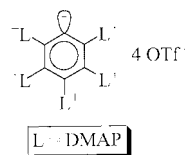


1002

F. G. Pühlhofer,* R. Weiss

SASAPOS Cascades of Perfluorinated Aromatic
Carboxylic Acids: Low-Temperature Decar-
boxylation Triggered by Electrostatic Effects of
Polycationic Ligand Sets

Keywords: Polycations / Decarboxylation / Electro-
static effects / Nucleophilic substitution /
Ion clusters

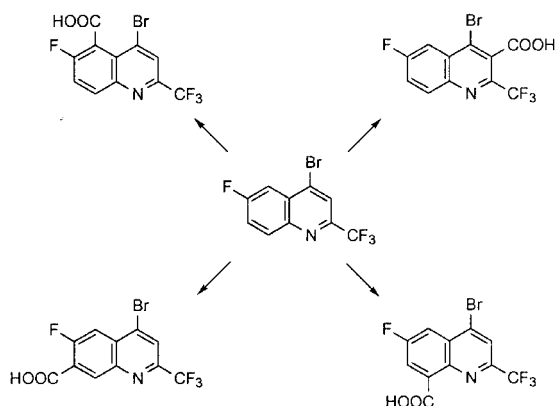


1008

M. Marull, M. Schlosser*

Regioflexibility in the Functionalization of
Multiply Halogenated Quinolines

Keywords: Deprotonation / Halogens / Metal permu-
tation / Hydrogen / Metal permutation /
Protective groups / Regioisomers

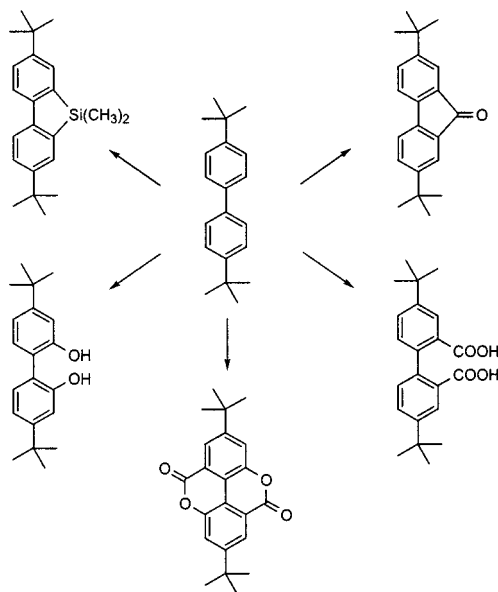


1014

M. Schlosser,* G. Mangano, F. Leroux

The Superbase-Mediated Pairwise Substitution
of the 2,2'- and 6,6'-Positions in a Biphenyl
Derivative

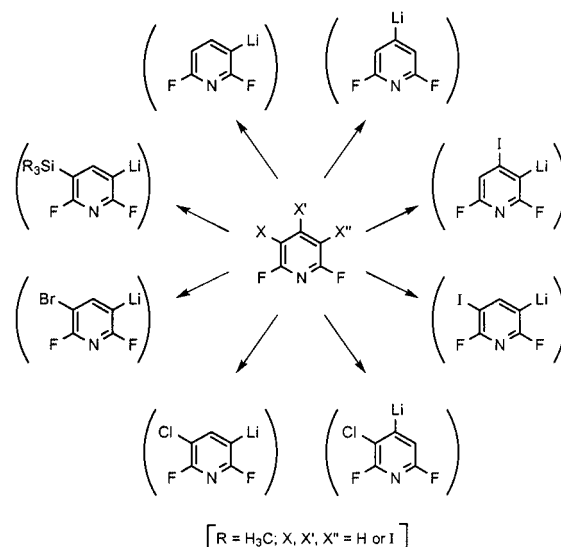
Keywords: Protective groups / Carboxylation /
Hydroxylation / Reductions / Superbase /
Twofold metalation



1018 M. Schlosser,* T. Rausis

The Structural Proliferation of 2,6-Difluoropyridine through Organometallic Intermediates

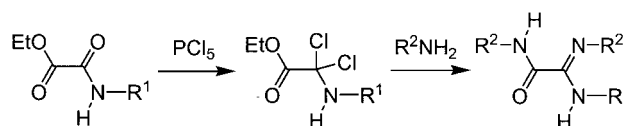
Keywords: Metalations / Carboxylation / Formylation / Deprotonation / Halogens / Metal permutation / Regioselectivity



1025 P. Langer,* R. Schroeder

Synthesis of 2-(Arylamino)-2-(arylimino)acetamides

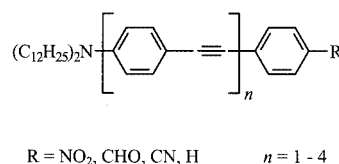
Keywords: Amidines / Imidoyl chlorides / Oxalyl derivatives / Synthetic methods / Tautomerism



1033 H. Meier,* B. Mühling, H. Kolshorn

Red- and Blue-Shifts in Oligo(1,4-phenyleneethynylene)s Having Terminal Donor–Acceptor Substitutions

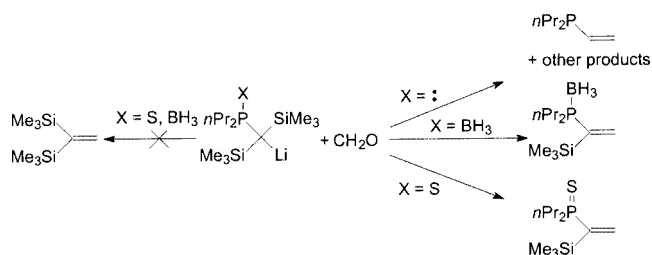
Keywords: Absorption / Conjugation / Intramolecular charge transfer / Oligomers / Push–pull effect



1043 K. Izod,* W. McFarlane, B. V. Tyson

Scope and Limitations of the Peterson Olefination Reaction as a Route to Vinylidene Phosphanes

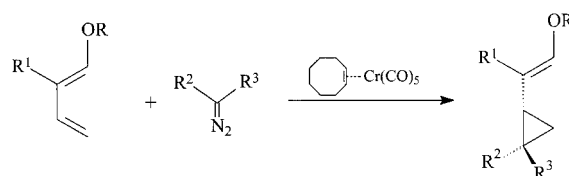
Keywords: Olefination / Phosphorus / Peterson / Protecting groups



1049 N. D. Hahn, M. Nieger, K. H. Dötz*

Highly Regio- and Diastereoselective Chromium(0)-Catalysed Cyclopropanation of 1-Alkoxy-1,3-dienes with Diazo Compounds

Keywords: Cyclopropanation / Vinylcyclopropanes / Chromium / Catalysis / Carbenes / Diazo compounds

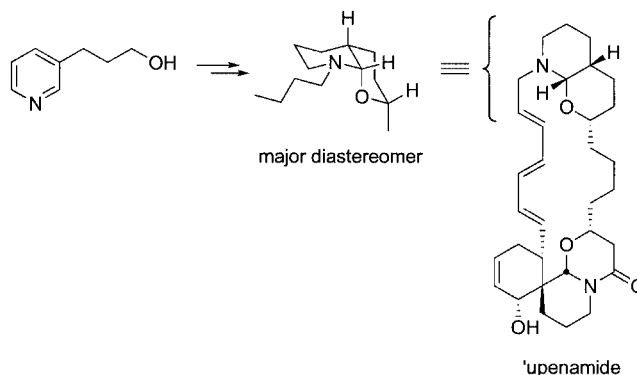


- 1057 A. A. Maia, S. Mons,*
R. Pereira de Freitas Gil, C. Marazano*



Synthesis of the Unusual Octahydropyrano-[2,3-*b*]pyridine Ring System of 'Upenamide

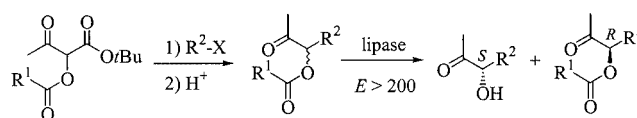
Keywords: 'Upenamide / Imines / Hemiaminal / NMR spectroscopy / Alkaloids



- 1063 G. Scheid, W. Kuit, E. Ruijter,
R. V. A. Orru, E. Henke, U. Bornscheuer,
L. A. Wessjohann*

A New Route to Protected Acyloins and Their Enzymatic Resolution with Lipases

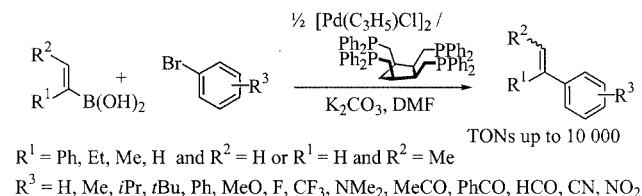
Keywords: Acyloins / Alkylation / Enzymatic catalysis / Hydrolases / Hydroxyalkanones / Kinetic resolution



- 1075 E. Peyroux, F. Berthiol, H. Doucet,*
M. Santelli*

Suzuki Cross-Coupling Reactions between Alkenylboronic Acids and Aryl Bromides Catalysed by a Tetraphosphane-Palladium Catalyst

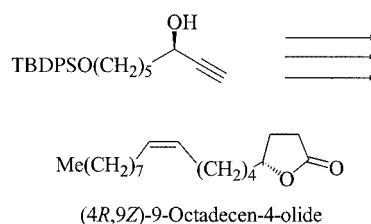
Keywords: Alkenes / Aryl halides / Catalysis / Cross-coupling / Palladium / Phosphanes



- 1083 C. Shibata, K. Mori*

Synthesis of (4*R*,9*Z*)-9-Octadecen-4-olide, the Female Sex Pheromone of *Janus integer*, and Its Enantiomer

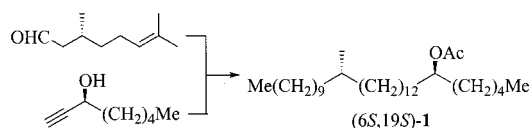
Keywords: Configuration determination / Lactones / Lipases / Pheromones



- 1089 K. Mori,* T. Ohtaki, H. Ohrui,
D. R. Berkebile, D. A. Carlson

Synthesis of the Four Stereoisomers of 6-Acetoxy-19-methylnonacosane, the Most Potent Component of the Female Sex Pheromone of the New World Screwworm Fly, with Special Emphasis on Partial Racemization in the Course of Catalytic Hydrogenation

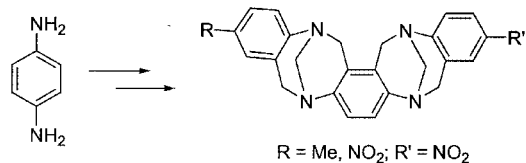
Keywords: Hydrogenation / Liquid chromatography / Natural products / Pheromones



1097 T. Mas, C. Pardo,* F. Salort, J. Elguero,
M. R. Torres

A New Entry to Bis-Tröger's Bases

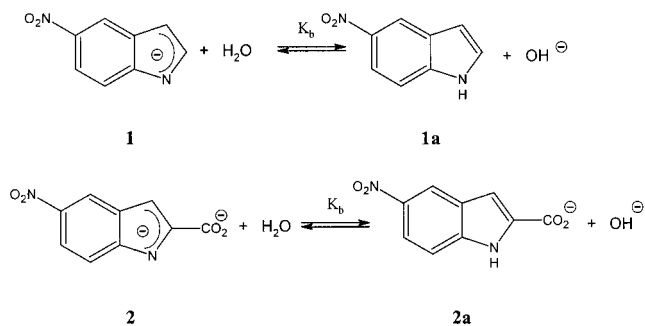
Keywords: Tröger's bases / *p*-Phenylenediamine / NMR spectroscopy / X-ray diffraction



1105 N. Spreti, L. Brinchi, P. Di Profio,
R. Germani, G. Savelli,* C. A. Bunton

Deprotonation of Indole Derivatives in Aqueous Cationic Surfactants

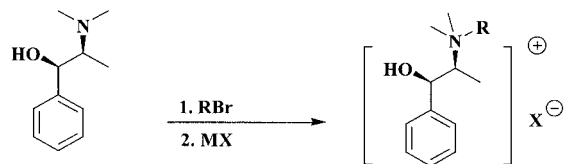
Keywords: Deprotonation / Micelles / Head-group size / Ion exchange / Mass-action model



1112 G. Vo Thanh,* B. Pegot, A. Loupy

Solvent-Free Microwave-Assisted Preparation of Chiral Ionic Liquids from (–)-*N*-Methyl-ephedrine

Keywords: Solvent-free reactions / Microwave activation / Ionic liquids / Chirality / (–)-Ephedrine / Green chemistry

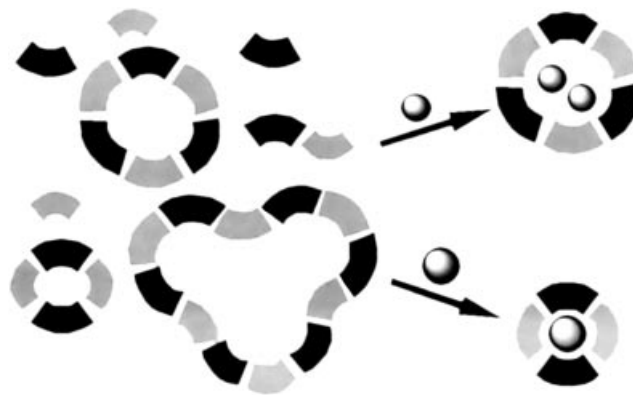


1117 A. González-Álvarez, I. Alfonso,
F. López-Ortiz,* A. Aguirre,
S. García-Granda, V. Gotor*



Selective Host Amplification from a Dynamic Combinatorial Library of Oligoimines for the Syntheses of Different Optically Active Polyazamacrocycles

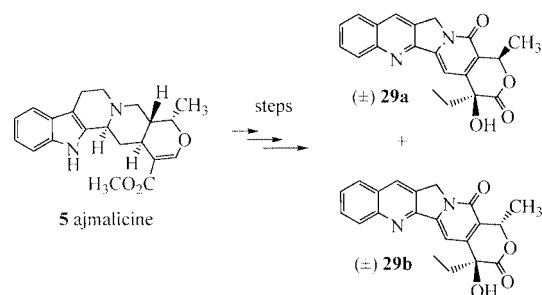
Keywords: Dynamic combinatorial library / Macrocycles / Molecular diversity / NMR spectroscopy / Template synthesis



1128 O. P. Thomas, C. Dumas, A. Zaparucha,
H.-P. Husson*

Synthesis of (±)-17-Methylcamptothecins

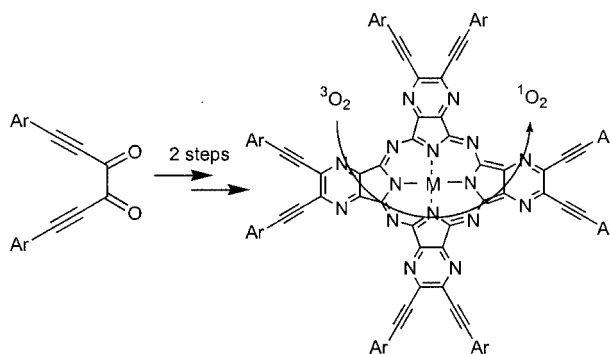
Keywords: Ajmalicine / Alkaloids / Antitumor agents / Nitrogen heterocycles / Oxidations



1136 F. Mitzel, S. FitzGerald, A. Beeby, R. Faust*

The Synthesis of Arylalkyne-Substituted Tetrapyrazinoporphyrazines and an Evaluation of Their Potential as Photosensitisers for Photodynamic Therapy

Keywords: Alkynes / Nitrogen heterocycles / Photodynamic therapy / Phthalocyanines / Singlet oxygen

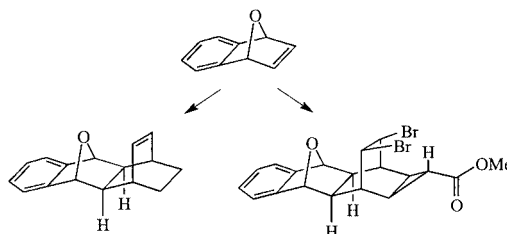


1143 A. Menzek,* A. Altundaş, U. Çoruh,
N. Akbulut, E. M. Vázquez López,
T. Hökelek, A. Erdönmez



Cycloaddition Reactions of 1,4-Dihydronaphthalene-1,4-epoxide with Cyclohexadiene and 7-(Methoxycarbonyl)cycloheptatriene: Selectivity in Additions

Keywords: Alcohols / Bromination / Cycloaddition / Halogenation



1149 M. Brünjes, C. Kujat, H. Monenschein,
A. Kirschning*

Acylation of Alkyl Halides and Amino Aldehydes with a Phosphane Oxide-Based d¹-Synthon

Keywords: Aldehydes / Acylation / Dihydroxylations / Mechanistic studies / Horner–Wittig reactions

