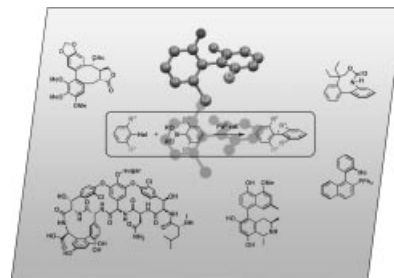


Earliest available Table of Contents:
 Automatically, free of charge by e-mail through
www.interscience.wiley.com/alerts

COVER PICTURE

The cover picture shows the general scheme for the asymmetric biaryl Suzuki coupling, which is surrounded by examples of axially chiral biaryls attainable by this method (bioactive natural products and chiral metal ligands). Various diastereoselective approaches with planar-to-axial or central-to-axial chirality induction, as well as diastereo- or enantio-stereoselective approaches with chiral palladium ligands were described in recent years and are presented in the Micro-review by O. Baudoin on p. 4223 ff.



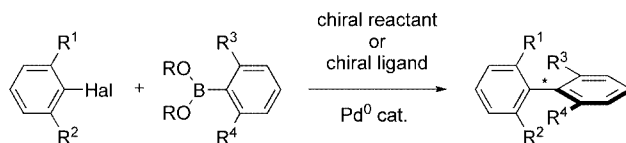
MICROREVIEWS

Contents

4223 O. Baudoin*

The Asymmetric Suzuki Coupling Route to Axially Chiral Biaryls

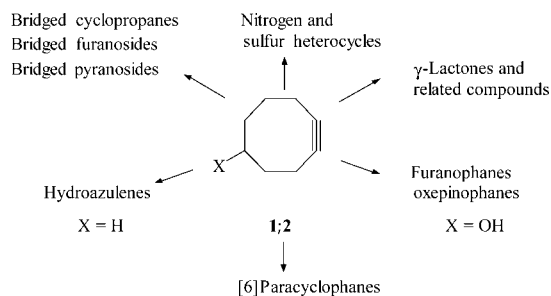
Keywords: Asymmetric catalysis / Axially chiral biaryls / Suzuki coupling



4231 D. Heber, P. Rösner, W. Tochtermann*

Cyclooctyne and 4-Cyclooctyn-1-ol – Versatile Building Blocks in Organic Synthesis

Keywords: Alkynes / Cyclophanes / Lactones / Macrocycles / Cycloaddition



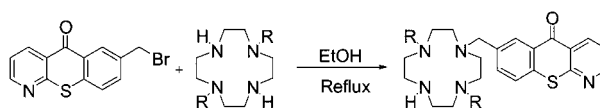
SHORT COMMUNICATIONS

4249 J. Yu,* D. Parker



Synthesis of a Europium Complex for Anion-Sensing Involving Regioselective Substitution of Cyclen

Keywords: Lanthanides / Chemoselectivity / Sensors / Cyclen / Malate

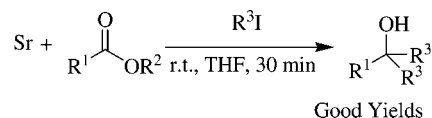


4253 N. Miyoshi,* T. Matsuo, M. Wada



The Chemistry of Alkylstrontium Halide Analogue, Part 2: Barbier-Type Dialkylolation of Esters with Alkyl Halides

Keywords: Strontium / Alkylation / Barbier-type reaction / Ester

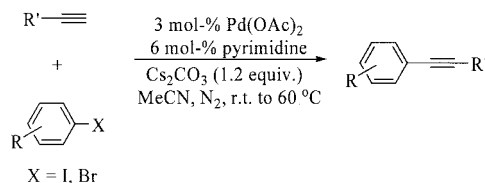


4256 J.-H. Li,* X.-D. Zhang, Y.-X. Xie



Efficient and Copper-Free Sonogashira Cross-Coupling Reaction Catalyzed by Pd(OAc)₂/Pyrimidines Catalytic System

Keywords: Palladium / Cross-coupling reaction / Homogeneous catalysis

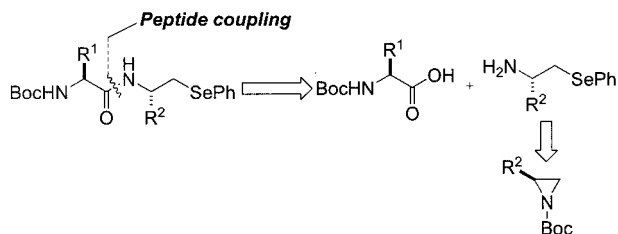


4260 A. L. Braga,* D. S. Lüttke, M. W. Paixão, E. E. Alberto, H. A. Stefani, L. Juliano



Straightforward Synthesis of Non-Natural Selenium Containing Amino Acid Derivatives and Peptides

Keywords: Selenium / Peptides / Selenoamines / Organoselenium / Chiral pool



4265 P. Tiwari, R. Kumar, P. R. Maulik,
A. K. Misra*

Efficient Acetylation of Carbohydrates Promoted by Imidazole

Keywords: Carbohydrate / Acylation / Synthetic methods / Protecting groups / Imidazole



4271 J. Wu,* X. Sun, Y. Li

DABCO: An Efficient Organocatalyst in the Ring-Opening Reactions of Aziridines with Amines or Thiols

Keywords: Organocatalysis / Aziridines / Ring opening

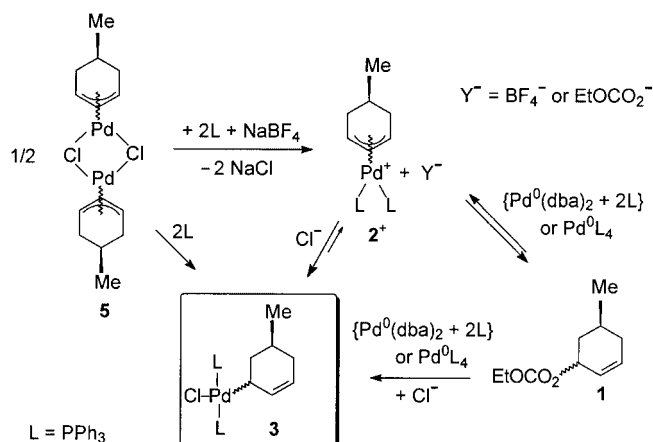


FULL PAPERS

4277 T. Cantat, N. Agenet, A. Jutand,*
R. Pleixats, M. Moreno-Mañas

The Effect of Chloride Ions on the Mechanism of the Oxidative Addition of Cyclic Allylic Carbonates to Pd⁰ Complexes by Formation of Neutral [(η¹-allyl)PdClL₂] Complexes

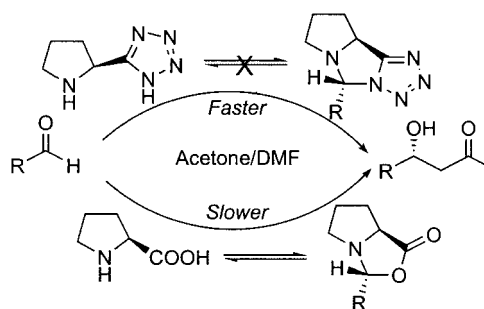
Keywords: Allyl ligands / Carbonates / Halides / Palladium / Reaction mechanisms



4287 A. Hartikka, P. I. Arvidsson*

5-(Pyrrolidine-2-yl)tetrazole: Rationale for the Increased Reactivity of the Tetrazole Analogue of Proline in Organocatalyzed Aldol Reactions

Keywords: Organocatalysis / Tetrazole / Aldol reactions / Asymmetric catalysis / Computational chemistry



4296 P. M. Pelphrey, R. S. Orugunty,
R. J. Helmich, M. A. Battiste,
D. L. Wright*

Halogenated Oxabicyclo[3.2.1]octadiene Building Blocks: Elaboration of the Dibromoenone

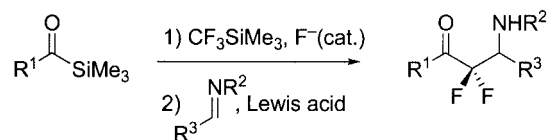
Keywords: Cross-coupling / Dibromoenone / Oxygen heterocycles / Palladium



4304 S. Jonet, F. Cherouvrier, T. Brigaud,*
C. Portella

Mild Synthesis of β -Amino- α,α -difluoro Ketones from Acylsilanes and Trifluoromethyltrimethylsilane in a One-Pot Imino Aldol Reaction

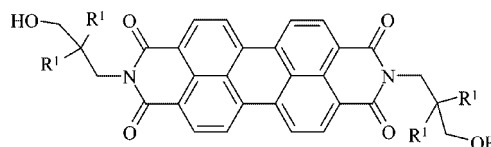
Keywords: Imino aldol reaction / Amino ketones / Fluorine / Silicon / Silyl enol ether



4313 H. Langhals,* H. Jaschke,
H. Bastani-Oskoui, M. Speckbacher

Perylene Dyes with High Resistance to Alkali

Keywords: Perylene dyes / Hydrolysis / Fluorescence

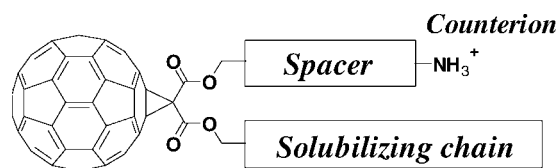


4322 L. Garlaschelli,* D. Pasini,* F. Spiaggia



Synthesis and Solubility Properties of Methanofullerenes Containing Primary Ammonium Ion Functionalities

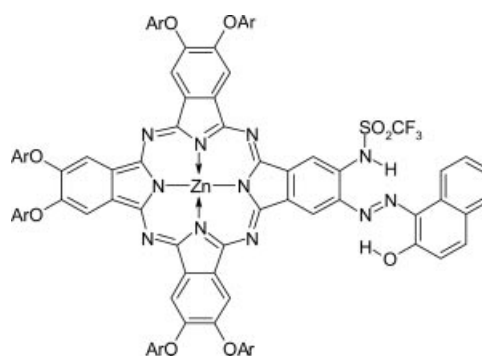
Keywords: Fullerenes / Supramolecular chemistry / Synthetic methods



4328 X. Àlvarez Micó, S. I. Vagin,*
L. R. Subramanian,* T. Ziegler,*
M. Hanack

New Unsymmetrical Zinc-Phthalocyanine Conjugated with One Azo-Dye Moiety: Synthesis via Opening the Fused Triazole Ring and Spectral Properties

Keywords: Phthalocyanines / Unsymmetrical substitution / Triazole / Azo-coupling / Solvatochromism / Photodegradation

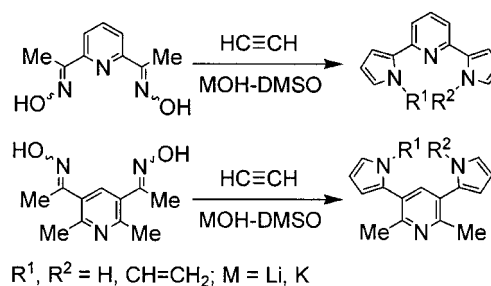


4338 B. A. Trofimov,* A. M. Vasil'tsov,
E. Y. Schmidt, N. V. Zorina, A. V. Afonin,
A. I. Mikhaleva, K. B. Petrushenko,
I. A. Ushakov, L. B. Krivdin, V. K. Belsky,
L. I. Bryukvina



Synthesis, Structure, and Spectral Properties of Bis(pyrrol-2-yl)pyridines

Keywords: Acetylene / Heterocycles / X-ray absorption spectroscopy / UV/Vis spectroscopy / Fluorescence spectroscopy

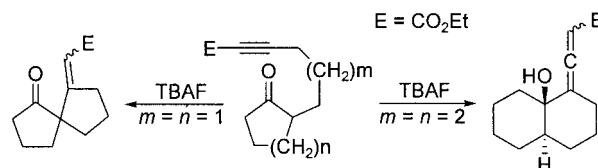


4346 A. J. Mota, A. Klein, F. Wendling,
A. Dedieu, M. Miesch*



Controlled Synthesis of α -Allenic Ester and Spiro Ketone Derivatives from Tailored α -Substituted Cycloalkanones Through Cascade Reactions: Exploring the Possible Reaction Pathways by Means of Semiempirical MO Calculations

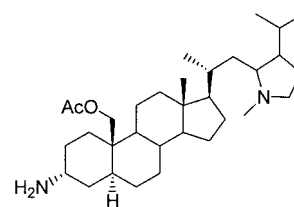
Keywords: Cascade reactions / Allenic esters / Spiro compounds / Semiempirical calculations / Transition states / HF catalysis



4359 A. Zampella, R. D'Orsi, V. Sepe,
S. De Marino, N. Borbone, A. Valentin,
C. Debitus, F. Zollo, M. V. D'Auria*

Isolation of Plakinamine I: A New Steroidal Alkaloid from the Marine Sponge *Corticium* sp. and Synthesis of an Analogue Model Compound

Keywords: Steroids / Structure elucidation / Biological activity / Structure–activity relationships

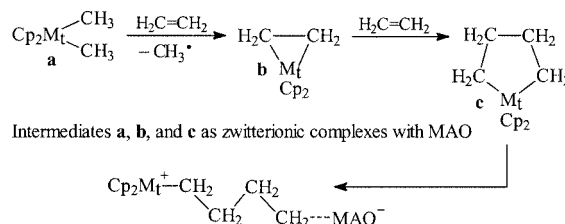


Plakinamine I (1)

4364 J. J. Eisch,* P. O. Otieno, J. N. Gitua,
A. A. Adeosun

The Extraordinary Cocatalytic Action of Polymethylaluminoxane (MAO) in the Polymerization of Terminal Olefins by Metallocenes: Chemical Change in the Group 4 Metallocene Dimethyl Derivatives Induced by MAO

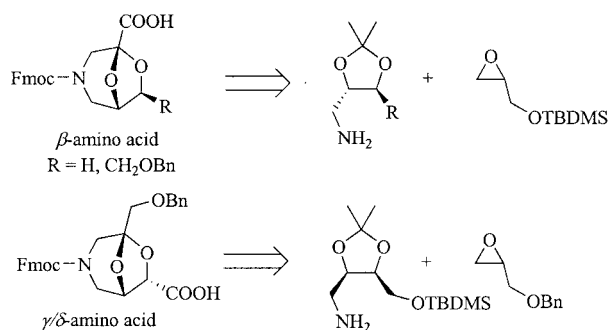
Keywords: Polymethylaluminoxane (MAO) / Group 4 metallocene derivatives / Olefin polymerization / Cocatalysis / Transfer-epimetallation



4372 E. Danieli, A. Trabocchi, G. Menchi,
A. Guarna*

Synthesis of Glycidol- and Sugar-Derived Bicyclic β - and γ/δ -Amino Acids for Peptidomimetic Design

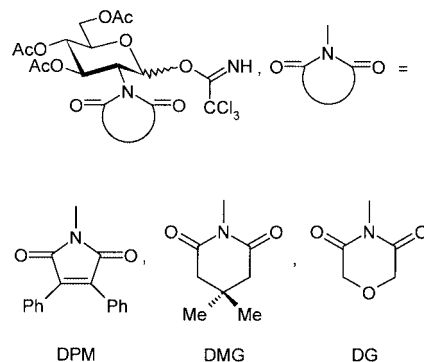
Keywords: Scaffold / Peptidomimetics / Ring opening / Peptides / Amino acids / Solid-phase synthesis



4382 M. R. E. Aly, R. R. Schmidt*

New Diacylamino Protecting Groups for Glucosamine

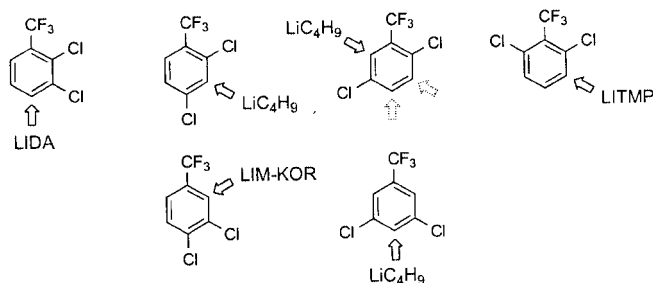
Keywords: Carbohydrates / Protecting groups / Amino sugars / Glycosylation / Trichloroacetimidates



4393 E. Masson, E. Marzi, F. Cottet, C. Bobbio, M. Schlosser*

Metalation and Derivatization of All Six Dichlorobenzotrifluorides: Site Selectivities

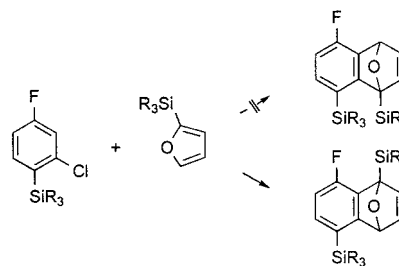
Keywords: Buttressing effects / Carboxylation / Haloarenes / Metalation / Regioselectivity / Trifluoromethyl groups



4401 E. Masson, M. Schlosser*

Fluoronaphthalene Building Blocks via Arynes: A Solution to the Problem of Positional Selectivity

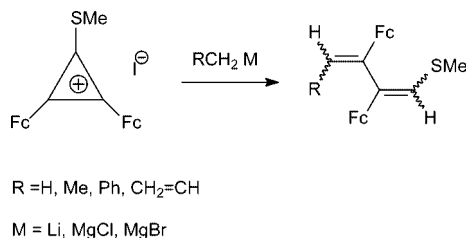
Keywords: Arynes / Diels–Alder cycloaddition / Fluorine substituents / Furans / Regioselectivity / Steric hindrance / Trimethylsilyl groups



4406 T. Klimova Berestneva,* E. I. Klimova, J. M. Méndez Stivalet, S. Hernández-Ortega, M. Martínez García

Diferrocenyl(methylthio)cyclopropenylum Iodide in the Synthesis of 2,3-Diferrocenyl-1-methylthio-1,3-dienes and -1,3,5-trienes

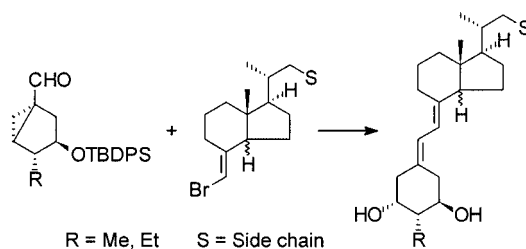
Keywords: Alkenes / Diferrocenyl(methylthio)cyclopropenylum / Cyclopropene / Cyclopropene ring opening / Ferrocene / Synthesis



4414 Y.-R. Zhao, B. Guang, R. Bouillon,
A. Verstuyf, P. De Clercq,* M. Vandewalle

Synthesis of 2-Methyl and Ethyl-Substituted 19-*nor*-1 α ,25-Dihydroxyvitamin D₃ Analogues via the Cyclovitamin Strategy

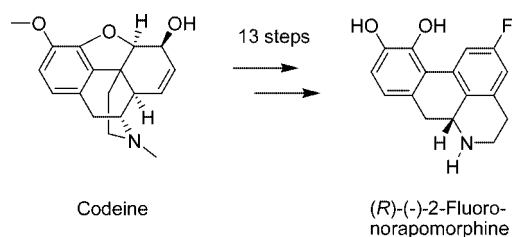
Keywords: Asymmetric synthesis / Drug research / Natural products / Polycycles / Vitamins



4428 K. Søndergaard, J. L. Kristensen,
N. Gillings, M. Begtrup*

Synthesis of (*R*)-(-)-2-Fluoronorapomorphine – A Precursor for the Synthesis of (*R*)-(-)-2-Fluoro-*N*-[¹¹C]propylnorapomorphine for Evaluation as a Dopamine D₂ Agonist Ligand for PET Investigations

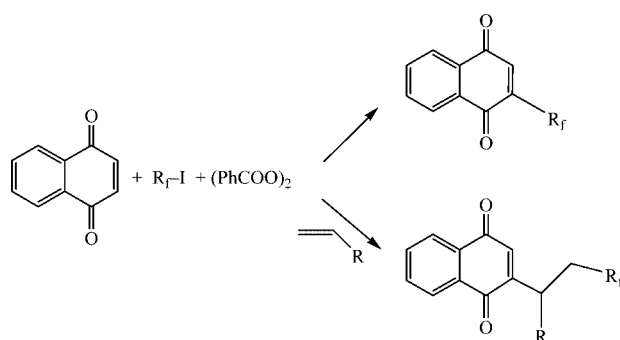
Keywords: Dopamine D₂ receptor / 2-Fluoro-*N*-propylnorapomorphine / PET radioligand / Palladium-catalysed amination / Balz–Schiemann reaction



4434 F. Antonietti, C. Gambarotti, A. Mele,
F. Minisci,* R. Paganelli, C. Punta,
F. Recupero*

New, Simple and Selective Synthesis of Perfluoroalkylquinones by Perfluoroalkyl Radicals – Enthalpic and Polar Effects

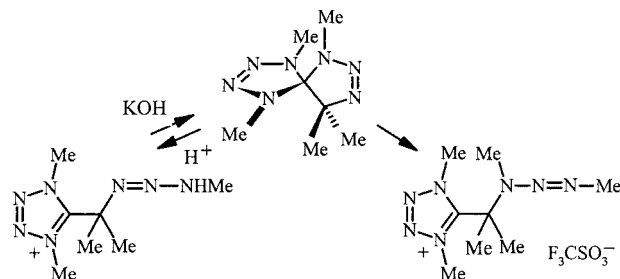
Keywords: Perfluoroalkyl radicals / Quinones / Captodative effect / Polar effect / Enthalpic effect



4441 H. Quast,* M. Ach, D. Regnat

Triazenes by Acid-Mediated Opening of the Dihydro-1,2,3-triazole Ring of 1,3-Dipolar Cycloadducts of Organic Azides to Cyclic Ketene N,N-Acetals

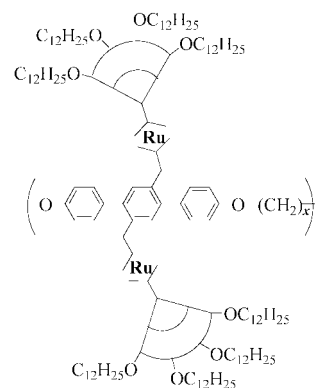
Keywords: Nitrogen heterocycles / Triazenes / Cleavage reactions / Protonation / Spiro compounds / Tautomerism



4448 **A. K. Andreopoulou, J. K. Kallitsis***

An “Attachment Through Coordination”
Approach to Side Chain Dendritic Polymers

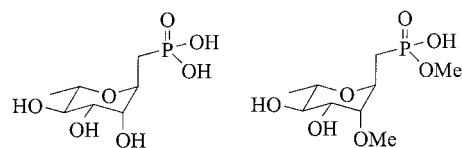
Keywords: Dendronized polymers / N-ligands / Ru-
thenium / Terpyridines



4459 **S. Ronchi, F. Compostella,* L. Lay,
F. Ronchetti, L. Toma**

(α -L-Rhamnopyranosyl)methylphosphonic Acids:
Experimental Evidence of the Analogy with α -L-
Rhamnopyranosyl Phosphate

Keywords: C-Glycosides / Conformational analysis /
Phosphonate analogues / Capsular polysac-
charides



Fast, Individual, Popular...
REPRINTS
Available to order anytime!
Contact Carmen Leitner (e-mail: cleitner@wiley-vch.de)