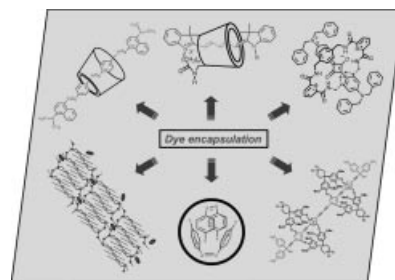


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COVER PICTURE

The cover picture shows some of the supramolecular encapsulation strategies that have been used to improve the photo-physical and photochemical properties of organic dyes. The work is summarized in the microreview by E. Arunkumar, C. C. Forbes, and D. Smith on p. 4051 ff.



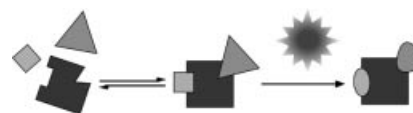
MICROREVIEWS

Contents

4041 C.-H. Huang, D. M. Bassani*

Exciting Supramolecular Architectures: Light-Induced Processes and Synthetic Transformations in Noncovalent Assemblies

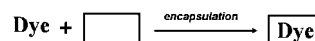
Keywords: Supramolecular chemistry / Photochemistry / Self-assembly / Receptors



4051 E. Arunkumar, C. C. Forbes, B. D. Smith*

Improving the Properties of Organic Dyes by Molecular Encapsulation

Keywords: Cyclodextrins / Rotaxanes / Dendrimers / Gels / Host–guest systems

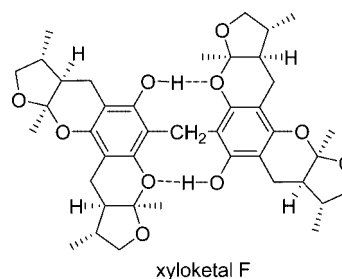


SHORT COMMUNICATION

4061 X. Y. Wu, X. H. Liu, Y. C. Lin,* J. H. Luo, Z. G. She, L. Houjin, W. L. Chan,* S. Antus, T. Kurtan, B. Elsässer, K. Krohn*

Xyloketal F: A Strong L-Calcium Channel Blocker from the Mangrove Fungus *Xylaria* sp. (#2508) from the South China Sea Coast

Keywords: Fungal metabolites / *Xylaria* sp. / Xyloketal F / Semi synthesis / Absolute configuration / Quantum-mechanical CD calculation / L-Calcium channel blocker

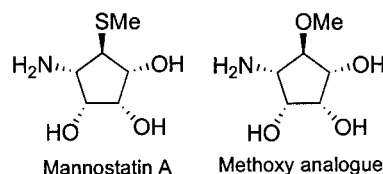


FULL PAPERS

4065 S. Ogawa,* T. Morikawa

Chemical Modification of the α -Mannosidase Inhibitor Mannostatin A: Synthesis of a Potent Inhibitor 1L-(1,2,3,5/4)-5-Amino-4-*O*-methyl-1,2,3,4-cyclopentanetetrol

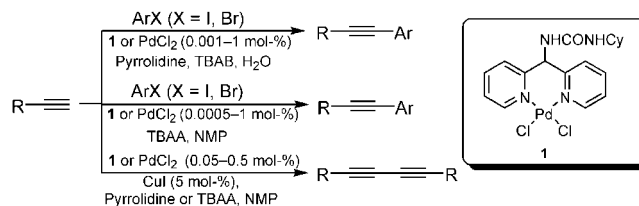
Keywords: Cyclitols / Aminocyclopentitols / Glycosidase inhibitors / α -Mannosidase inhibitors / Mannostatin A analogues



4073 J. Gil-Moltó, C. Nájera*

Palladium(II) Chloride and a (Dipyridin-2-ylmethyl)amine-Derived Palladium(II) Chloride Complex as Highly Efficient Catalysts for the Synthesis of Alkynes in Water or in NMP and of Diynes in the Absence of Reoxidant

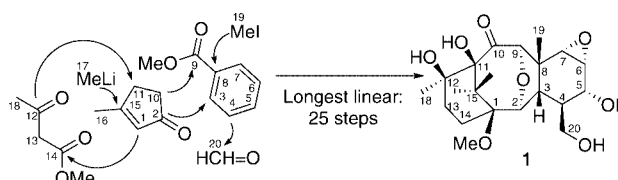
Keywords: Palladium catalyst / N ligands / Alkynes / Diynes / Water chemistry



4082 S. Hamon, N. Birlirakis, L. Toupet, S. Arseniyadis*

Stereoselective Construction of a Highly Functionalized Taxoid ABC-Ring System: the C2–C9 Oxa-Bridge Approach

Keywords: Taxoids / Aldol reactions / Samarium iodide / Transannular reactions / Control elements

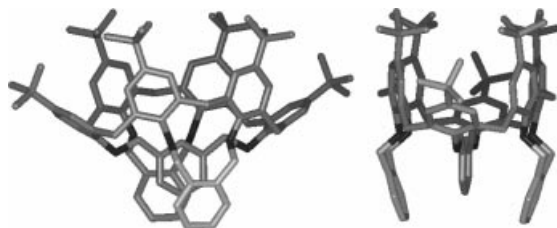


4093 H. Galán, J. de Mendoza,* P. Prados*



Conformational Control of Calix[6]arenes Through Multiple Bridges

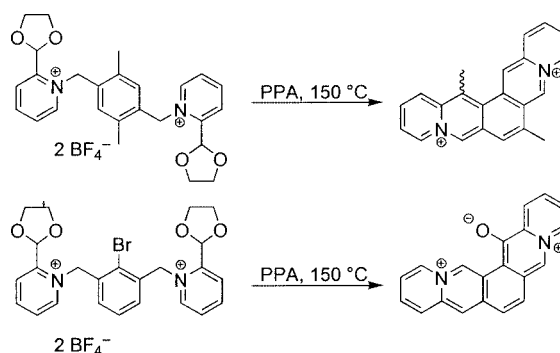
Keywords: Bridged calixarenes / Conformation analysis / Supramolecular chemistry / Cavities / Alkylation



4098 A. Granzhan, H. Ihmels,* K. Mikhlin, H.-J. Deiseroth, H. Mikus

Synthesis of Substituted Diazoniapentaphene Salts by an Unexpected Rearrangement-Cyclo-dehydration Sequence

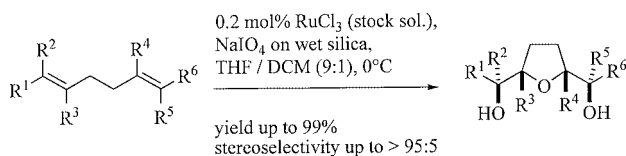
Keywords: Aromatic *ipso*-substitution / Nitrogen heterocycles / Rearrangements



4109 S. Roth, S. Göhler, H. Cheng, C. B. W. Stark*

A Highly Efficient Procedure for Ruthenium Tetroxide Catalyzed Oxidative Cyclizations of 1,5-Dienes

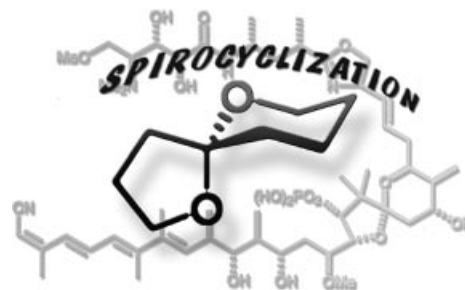
Keywords: Oxidative cyclization / Tetrahydrofurans / Ruthenium / Oxidation / Catalysis



4119 V. Rauhala, K. Nättinen, K. Rissanen, A. M. P. Koskinen*

The Reaction Mechanism of Spirocyclization and Stereoselectivity Studies for the Calyculin C₁₆–C₂₅ Fragment

Keywords: Michael addition / Cyclization



4127 E. González-Cantalapiedra, M. Ruiz, B. Gómez-Lor, B. Alonso, D. García-Cuadrado, D. J. Cárdenas, A. M. Echavarren*

New Building Blocks Based on Truxene Cores: Synthesis of Functionalized *syn*-Tri- and -Hexa-substituted Derivatives

Keywords: Arenes / Strained molecules / Truxenes / Isomerization / Quinones

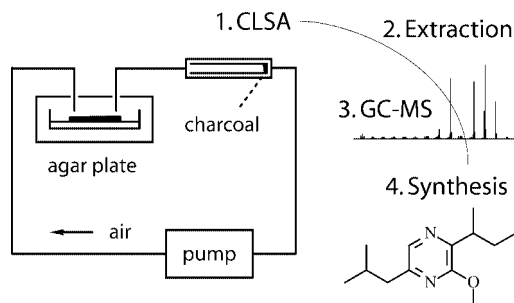


**4141 J. S. Dickschat, H. Reichenbach,
I. Wagner-Döbler, S. Schulz***



Novel Pyrazines from the Myxobacterium *Chondromyces crocatus* and Marine Bacteria

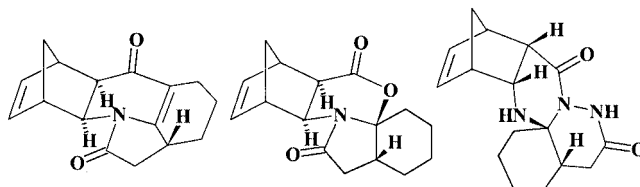
Keywords: *Chondromyces crocatus* / Natural products / Nitrogen heterocycles / Pheromones



**4154 G. Stájer,* A. E. Szabó, G. Túrós, P. Sohár,
R. Sillanpää**

Indoloquinolines, Indolobenzoxazines and Quinazolophthalazines Prepared from Norbornane/enamino Acids and Hydrazides

Keywords: Indoloquinolines / Indolobenzoxazines / Quinazolophthalazines / NMR spectroscopy / DIFFNOE / X-ray diffraction

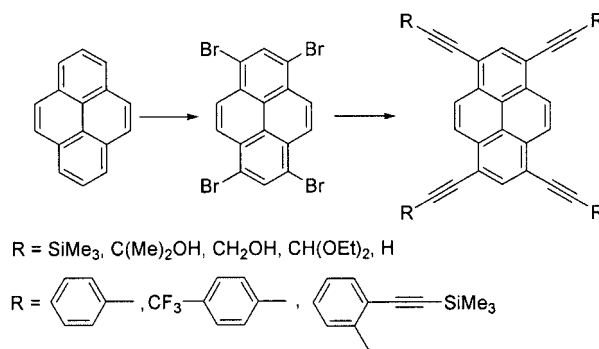


4162 G. Venkataramana, S. Sankararaman*



Synthesis, Absorption, and Fluorescence-Emission Properties of 1,3,6,8-Tetraethynylpyrene and Its Derivatives

Keywords: Conjugation / Fluorescence / Quantum yield / Pyrene

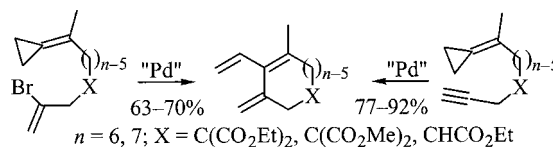


**4167 S. Bräse, H. Wertal (nee Nüske), D. Frank,
D. Vidović, A. de Meijere***



Intramolecular Heck Couplings and Cycloisomerizations of Bromodienes and Enynes with 1',1'-Disubstituted Methylene cyclopropane Terminators: Efficient Syntheses of [3]Dendralenes

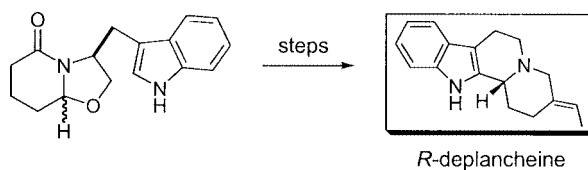
Keywords: Heck reaction / Methylene cyclopropanes / Palladium catalysis / Domino reactions / Diels–Alder reaction



**4179 S. M. Allin,* C. I. Thomas, J. E. Allard,
K. Doyle, M. R. J. Elsegood**

A Highly Stereoselective Synthesis of the Indolo[2,3-*a*]quinolizine Ring System and Application to Natural Product Synthesis

Keywords: Natural products / Heterocycles / Lactams / Asymmetric synthesis

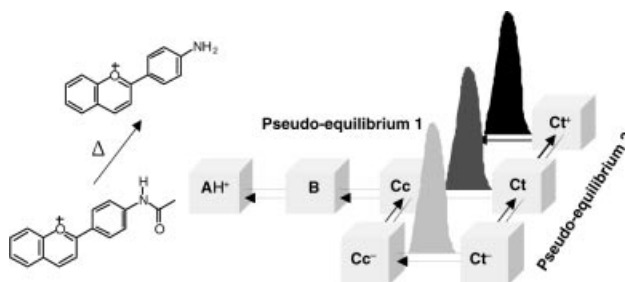


4187 L. Giestas, F. Folgosa, J. C. Lima,
A. J. Parola, F. Pina*



Bio-Inspired Multistate Networks Responsive to Light, pH and Thermal Inputs – An Example of a Multistate System Operating Through Different Algorithms

Keywords: Photochromism / Flavylium salts / Chalcones / Oxygen heterocycles / Multistate networks



CORRECTION

4201 G. Zoppellaro*, M. Baumgarten

One-Step Synthesis of Symmetrically Substituted 2,6-Bis(pyrazol-1-yl)pyridine Systems

Keywords: Nitrogen heterocycles / Halogenation / Grignard reaction / Synthesis design

