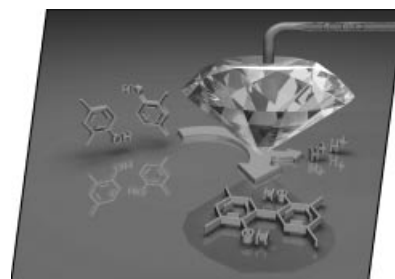


Earliest available Table of Contents:
 Automatically, free of charge by e-mail through
www.interscience.wiley.com/alerts

COVER PICTURE

The cover picture shows the highly chemoselective conversion of 2,4-dimethylphenol to the corresponding biphenol on diamond as electrode. Under controlled electrolysis conditions on boron doped diamond (BDD) electrodes the most efficient electrochemical synthesis for this technically relevant biphenol was created. Details and an electrolysis cell for BDD electrodes are discussed in the article by S. R. Waldvogel et al. on p. 4569 ff. (Artwork support by C. Siering is highly appreciated.)



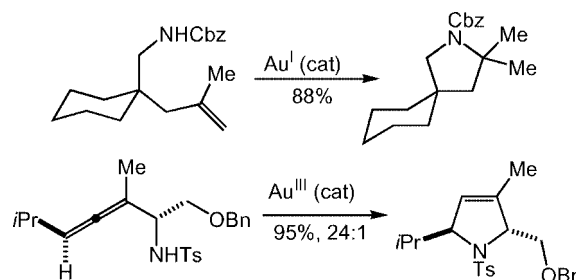
MICROREVIEW

Contents

4555 R. A. Widenhoefer,* X. Han

Gold-Catalyzed Hydroamination of C–C Multiple Bonds

Keywords: Homogeneous catalysis / Amines / Hydroamination / Gold / Heterocycles

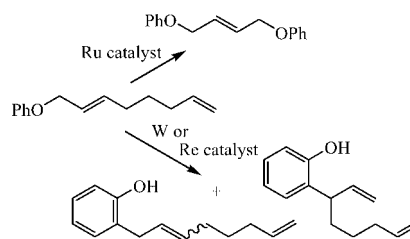


SHORT COMMUNICATION

4565 C. Damez, S. Bouquillon, F. Hénin, J. Muzart*

Reactivity of 1-Phenoxy-2,7-octadiene under Metathesis Conditions

Keywords: Metathesis / Isomerization / Ruthenium / Rhenium / Tungsten

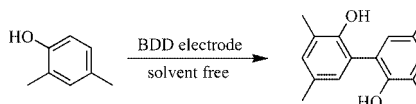


FULL PAPERS

4569 I. M. Malkowsky, U. Griesbach, H. Pütter, S. R. Waldvogel*

Unexpected Highly Chemoselective Anodic *ortho*-Coupling Reaction of 2,4-Dimethylphenol on Boron-Doped Diamond Electrodes

Keywords: Electrochemistry / C–C coupling / Oxidation / Phenols / BDD electrodes

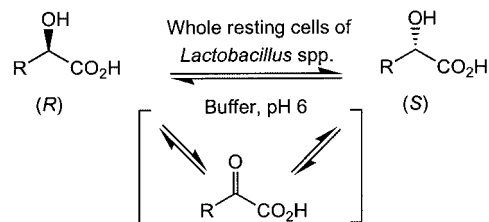


4573 B. M. Nestl, S. M. Glueck, M. Hall, W. Kroutil, R. Stuermer, B. Hauer, K. Faber*



Biocatalytic Racemization of (Hetero)Aryl-aliphatic α -Hydroxycarboxylic Acids by *Lactobacillus* spp. Proceeds via an Oxidation–Reduction Sequence

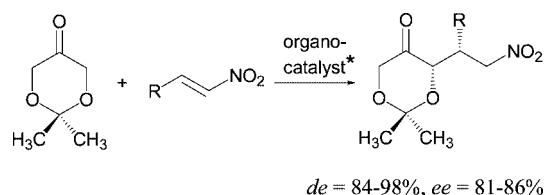
Keywords: Biotransformations / Racemization / Enzyme catalysis / Bioorganic chemistry



4578 D. Enders,* S. Chow

Organocatalytic Asymmetric Michael Addition of 2,2-Dimethyl-1,3-dioxan-5-one to Nitro Alkenes Employing Proline-Based Catalysts

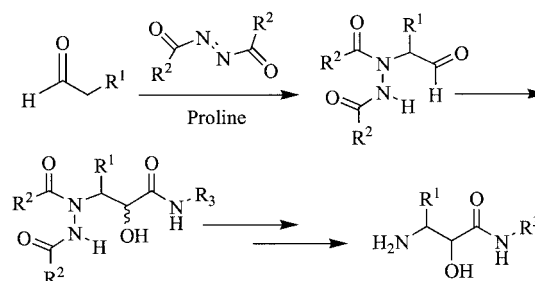
Keywords: Asymmetric synthesis / Michael addition / Organocatalysis / Dioxanone / Nitro alkenes / Proline-based catalysts



4585 S. Umbreen, M. Brockhaus, H. Ehrenberg, B. Schmidt*

Norstatines from Aldehydes by Sequential Organocatalytic α -Amination and Passerini Reaction

Keywords: Asymmetric synthesis / Asymmetric catalysis / Organocatalysis / Passerini reaction / Proline / β -Secretase / Alzheimer's disease

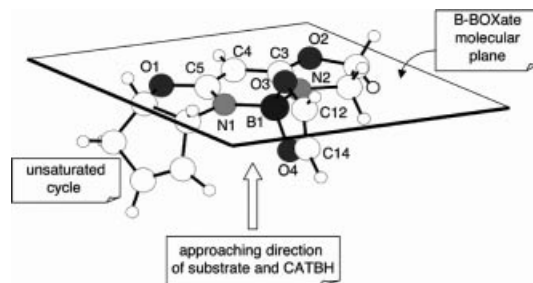


4596 M. Bandini, A. Bottoni, P. G. Cozzi,
G. P. Miscione,* M. Monari,
R. Pierciaccante, A. Umami-Ronchi



Chiral C_2 -Boron-Bis(oxazolines) in Asymmetric Catalysis – A Theoretical Study of the Catalyzed Enantioselective Reduction of Ketones Promoted by Catecholborane

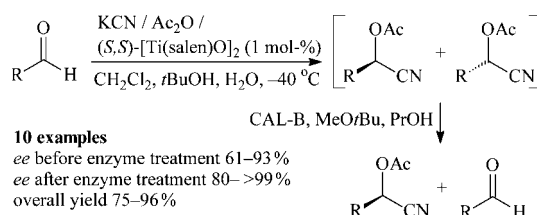
Keywords: Ab initio calculations / Reaction mechanism / Asymmetric catalysis / Reduction / Boron-bis(oxazolines)



4609 Yu. N. Belokon, A. J. Blacker,
L. A. Clutterbuck, D. Hogg, M. North,*
C. Reeve

An Asymmetric, Chemo-Enzymatic Synthesis of *O*-Acetylcyanohydrins

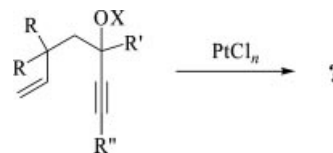
Keywords: Asymmetric catalysis / Biotransformation / Titanium / Schiff bases / Cyanohydrin



4618 J. Marco-Contelles,* N. Arroyo, S. Anjum,
E. Mainetti, N. Marion, K. Cariou,
G. Lemi re, V. Mouri s, L. Fensterbank,*
M. Malacria*

PtCl₂- and PtCl₄-Catalyzed Cycloisomerization of Polyunsaturated Precursors

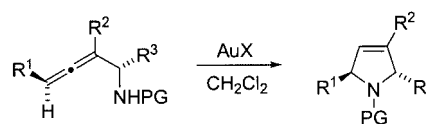
Keywords: PtCl₂-catalyzed cycloisomerization / Dienes / Enynes / Cyclopropanes / 1,2-*O*-Acyl migration / Transition metals



4634 N. Morita, N. Krause*

Gold-Catalyzed Cycloisomerization of α -Aminoallenes to 3-Pyrrolines – Optimization and Mechanistic Studies

Keywords: α -Aminoallenes / Chirality transfer / Cycloisomerization / Gold / Heterocycles / Homogeneous catalysis / Intramolecular hydroamination / 3-Pyrrolines

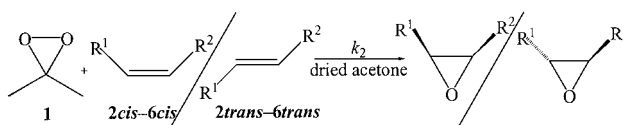


4642 B. S. Crow, W. R. Winkeljohn,
A. Navarro-Eisenstein, E. Michelena-Baez,
P. J. Franklin, P. C. Vasquez, A. Baumstark*



Activation Parameters for the Epoxidation of Substituted *cis/trans* Pairs of 1,2-Dialkylalkenes by Dimethyldioxirane

Keywords: Epoxidation / Activation parameters / Kinetics / Dimethyldioxirane

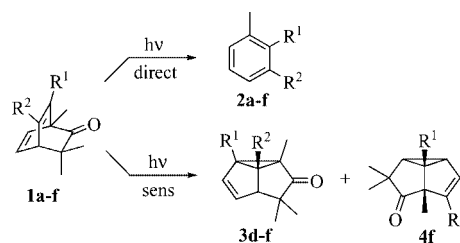


4648 S.-Y. Chang, S.-L. Huang, N. R. Villarante, C.-C. Liao*



Photochemical Reactions of 1,3,3-Trimethylbicyclo[2.2.2]octa-5,7-dien-2-ones

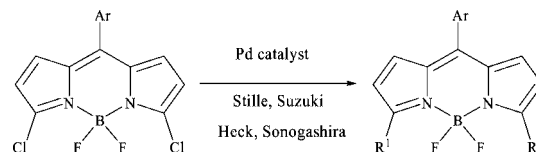
Keywords: Photochemistry / Reaction mechanisms / Direct irradiation / Sensitized irradiation / Bicyclo[2.2.2]octadienones



4658 T. Rohand, W. Qin, N. Boens, W. Dehaen*

Palladium-Catalyzed Coupling Reactions for the Functionalization of BODIPY Dyes with Fluorescence Spanning the Visible Spectrum

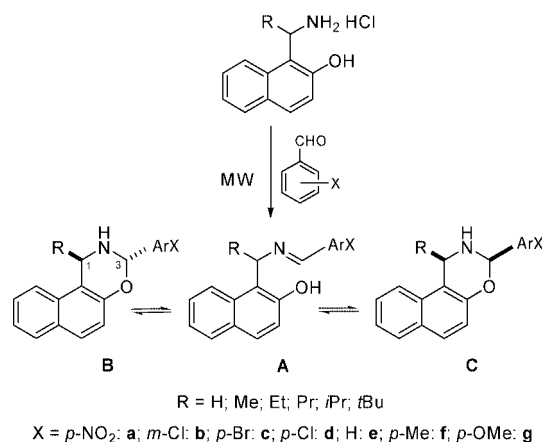
Keywords: Fluorescent dyes / Palladium-catalyzed reactions / BODIPY compounds / UV/Vis spectroscopy / Fluorescence spectroscopy



4664 D. Tóth, I. Szatmári, F. Fülöp*

Substituent Effects in the Ring–Chain Tautomerism of 1-Alkyl-3-arylnaphth[1,2-*e*][1,3]-oxazines

Keywords: Aminonaphthols / Naphthoxazines / Betti bases / Substituent effects / Ring-chain tautomerism

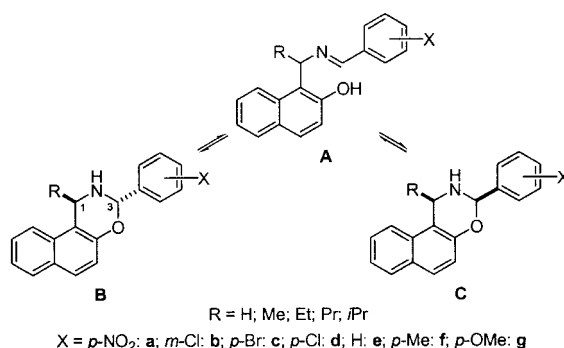


4670 I. Szatmári, D. Tóth, A. Koch, M. Heydenreich, E. Kleinpeter, F. Fülöp*



Study of the Substituent-Influenced Anomeric Effect in the Ring–Chain Tautomerism of 1-Alkyl-3-aryl-naphth[1,2-*e*][1,3]oxazines

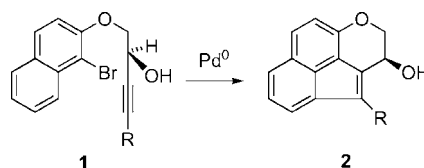
Keywords: Naphthoxazines / Conformational analysis / Ab initio calculations / NBO analysis / Anomeric effect / Ring-chain tautomerism



4676 L. F. Tietze,* F. Lotz

Pd-Catalysed Domino Arylation/CH Activation for the Synthesis of Acenaphthylenes

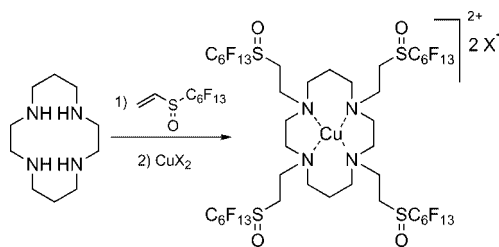
Keywords: Acenaphthylenes / Alkynes / CH activation / Domino reactions / Oxacyclopentaphenanthrenes / Palladium catalysis / Pyrans



4685 A. de Castries, E. Magnier, S. Monmotton, H. Fensterbank, C. Larpent*

An Expedient Synthesis of Perfluorinated Tetraazamacrocycles: New Ligands for Copper-Catalyzed Oxidation under Fluorous Biphasic Conditions

Keywords: Fluorinated ligands / Azamacrocycles / Biphasic catalysis / Oxidation / Michael addition

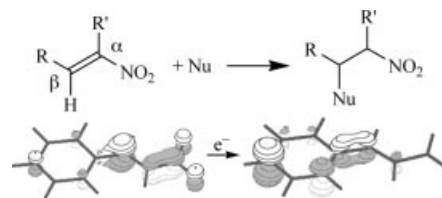


4693 V. Rai, I. N. N. Namboothiri*



A Theoretical Evaluation of the Michael-Acceptor Ability of Conjugated Nitroalkenes

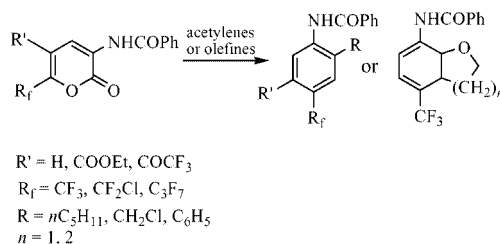
Keywords: Michael addition / Nitroalkenes / NBO / Condensed Fukui functions and local softness / Ab initio calculations / Density functional calculations



4704 N. A. Tolmachova, I. I. Gerus,* S. I. Vdovenko, M. Essers, R. Fröhlich, G. Haufe*

Thermal Diels–Alder Reactions of 3-(Benzoylamino)-6-(polyfluoroalkyl)pyran-2-ones – New Synthesis of *p*-(Polyfluoroalkyl)anilines

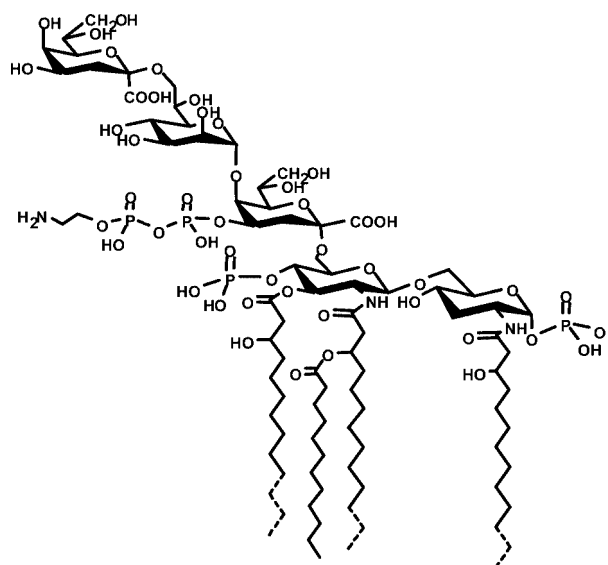
Keywords: Cycloaddition / Pyrones / 4-(Polyfluoroalkyl)anilines / Fluorostyrenes / Alkynes



4710 V. Liparoti, A. Molinaro,* L. Sturiale, D. Garozzo, E. L. Nazarenko, R. P. Gorshkova, E. P. Ivanova, L. S. Shevchenko, R. Lanzetta, M. Parrilli

Structural Analysis of the Deep Rough Lipopolysaccharide from Gram Negative Bacterium *Alteromonas macleodii* ATCC 27126^T: The First Finding of β -Kdo in the Inner Core of Lipopolysaccharides

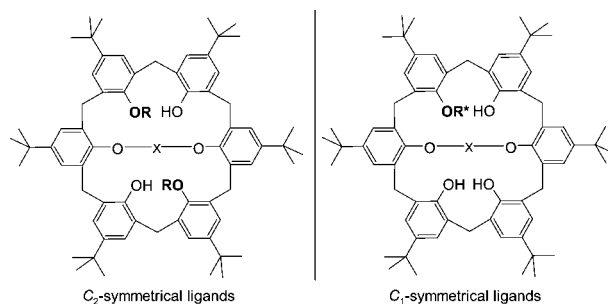
Keywords: *Alteromonas macleodii* / Marine bacteria / Lipooligosaccharide



4717 S. Konrad, M. Bolte, C. Näther, U. Lünig*

Chiral 1,10-Phenanthroline-Bridged Calix[6]-arenes

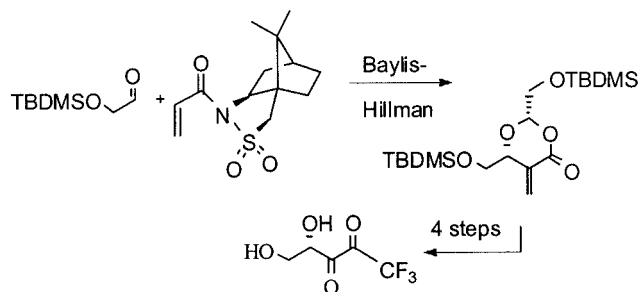
Keywords: Calixarenes / C_2 Chirality / Heterocycles / Macrocycles / Supramolecular chemistry



4731 M. Frezza, D. Balestrino, L. Souleré, S. Reverchon, Y. Queneau, C. Forestier, A. Doutheau*

Synthesis and Biological Evaluation of the Tri-fluoromethyl Analog of (4*S*)-4,5-Dihydroxy-2,3-pentanedione (DPD)

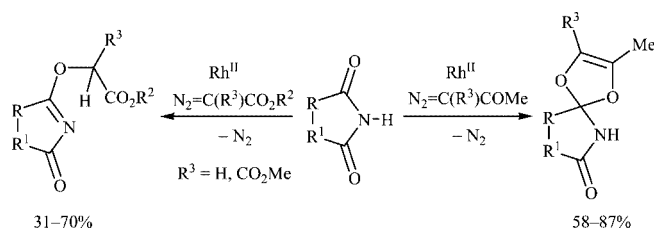
Keywords: Agonists / Asymmetric synthesis / Bio-organic chemistry / Stereoselective synthesis



4737 V. V. Nikolaev, H. Heimgartner,* A. Linden, I. S. Krylov, V. A. Nikolaev

Rh^{II} -Catalyzed Reactions of Diazocarbonyl Compounds with Dicarboximides

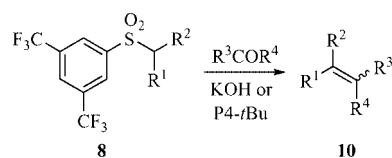
Keywords: Diazo compounds / Imides / Rhodium-carbenoids / Carbonyl ylides / Insertion reactions / Imidates / Dipolar electrocyclization / Spiro compounds



4747 D. A. Alonso, M. Fuensanta, C. Nájera*

3,5-Bis(trifluoromethyl)phenyl Sulfones in the Julia-Kocienski Olefination – Application to the Synthesis of Tri- and Tetrasubstituted Olefins

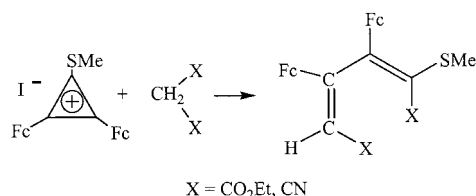
Keywords: Alkenes / Carbanions / Olefination / Sulfones / Phosphazenes



4755 E. I. Klimova,* M. Martínez García, T. Klimova Berestneva, C. Alvarez Toledano, R. A. Toscano, L. V. Backinowsky

Functional Group Migration in Reactions of 1,2-Diferrocenyl-3-(methylthio)cyclopropenyl-ium Iodide with CH Acids

Keywords: 1,2-Diferrocenyl-3-(methylthio)cyclopropenyl-ium / Cyclopropene / Cyclopropene ring opening / Migration of ethoxycarbonyl and cyano groups / Ferrocene



CORRECTION

4761 **M. C. Moncada, F. Pina,* A. Roque,
A. J. Parola, M. Maestri,* V. Balzani**

Tuning the Photochromic Properties of a
Flavylium Compound by pH

Keywords: Flavylium / NMR spectroscopy / Photo-
chromic properties / Multistate/multifunc-
tional systems

