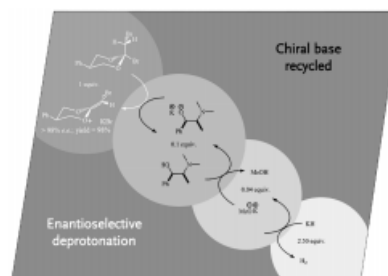


COVER PICTURE

The cover picture shows a new method for the synthesis of optically pure substrates using a remarkable stereoselective deprotonation mediated by a sub-stoichiometric chiral alkoxide. This reaction relies on a fascinating recycling procedure to allow efficient regeneration of the “active” chiral alkoxide base by proton transfer with potassium methoxide (0.04 equiv.) and potassium hydride (2.50 equiv.). Details are discussed in the Microreview by J. Eames on p. 393 ff.



MICROREVIEW

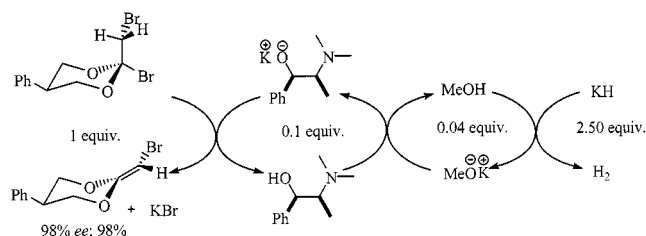
Contents

393

J. Eames

Recent Developments in Enantioselective
 Deprotonation Mediated by Sub-Stoichiometric
 Quantities of Chiral Bases

Keywords: Allylic alcohols / Asymmetric synthesis /
 Chiral base / Deprotonation / Donor base /
 Lithium amides / Vinyl bromides

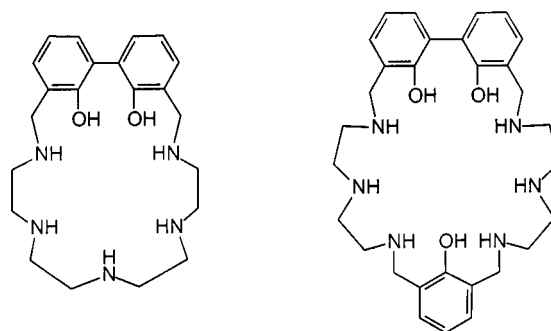


SHORT COMMUNICATION

402 M. Formica, V. Fusi,* L. Giorgi,
M. Micheloni,* P. Palma, R. Pontellini

A Template Synthesis of Polyamine Macrocycles
Containing the 1,1'-Bis(2-phenol) Function

Keywords: Amines / Nitrogen heterocycles / Macro-
cycles / Template synthesis

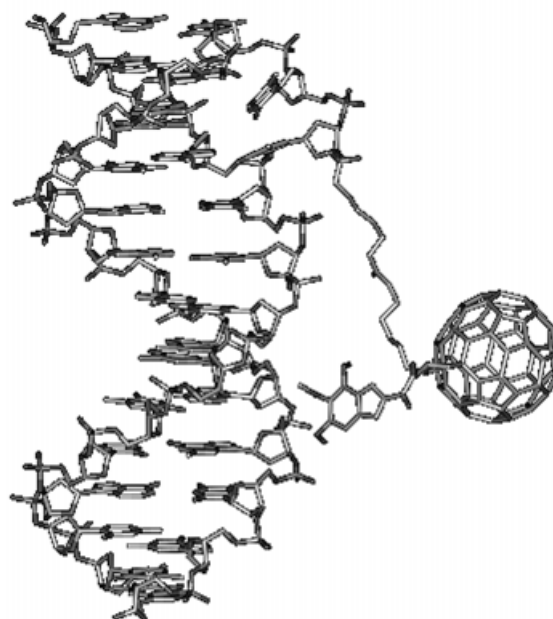


FULL PAPERS

405 T. Da Ros, M. Bergamin, E. Vázquez,
G. Spalluto,* B. Baiti, S. Moro,
A. Boutorine,* M. Prato*

Synthesis and Molecular Modeling Studies of
Fullerene–5,6,7-Trimethoxyindole–Oligo-
nucleotide Conjugates as Possible Probes for
Study of Photochemical Reactions in DNA
Triple Helices

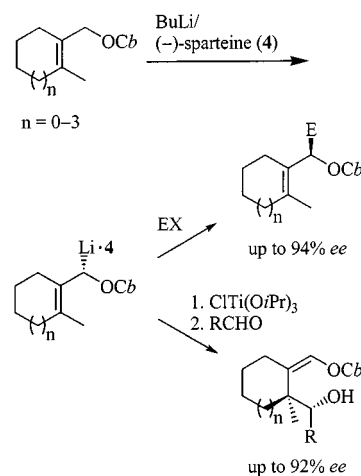
Keywords: Cycloaddition / DNA recognition /
Fullerenes / Molecular modeling /
Oligonucleotides



414 M. Özlügedik, J. Kristensen, B. Wibbeling,
R. Fröhlich, D. Hoppe*

Nonracemic, Chiral Homo enolate Reagents
Derived from (Cycloalk-1-enyl)methyl Carba-
mates and Evaluation of Their Configurational
Stabilities

Keywords: Asymmetric synthesis / Carbanions /
Chirality / Lithiation



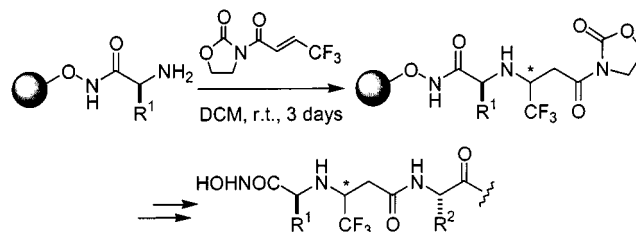
428

A. Volonterio,* S. Bellosta, P. Bravo,
M. Canavesi, E. Corradi, S. V. Meille,
M. Monetti, N. Moussier, M. Zanda*



Solution/Solid-Phase Synthesis of Partially Modified Retro- and Retro-Inverso- ψ [NHCH-(CF₃)]-Peptidyl Hydroxamates and Their Evaluation as MMP-9 Inhibitors

Keywords: Fluorine / Matrix metalloproteinases / Michael additions / Peptidomimetics / Solid-phase synthesis

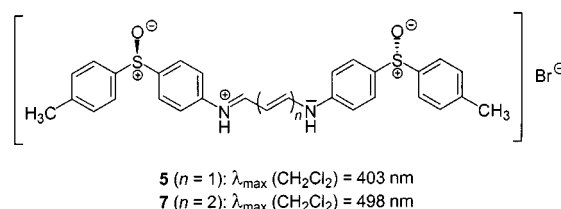


439

C. Reichardt,* H.-P. Erfurt, K. Harms,
G. Schäfer

Syntheses, Absolute Configurations, and UV/Vis Spectroscopic Properties of New Chiral Tri- and Pentamethinium Streptocyanine Dyes with 4-Aminophenyl 4-Methylphenyl Sulfoxide Endgroups

Keywords: Chirality / Cyanines / Dyes / Polymethines / UV/Vis spectroscopy

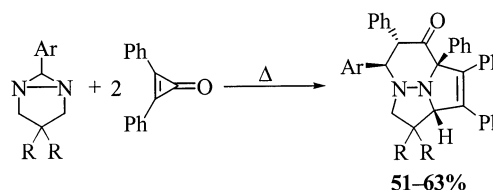


453

A. P. Molchanov, D. I. Sipkin,
Yu. B. Koptelov, R. R. Kostikov*

Double Addition of Diphenylcyclopropenone to Azomethine Imines Generated from 6-Aryl-1,5-diazabicyclo[3.1.0]hexanes

Keywords: Small ring systems / Azomethine imines / Cycloaddition / Heterocycles

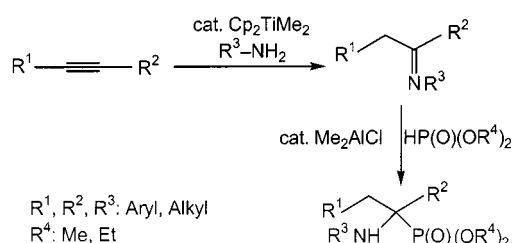


457

E. Haak, I. Bytschkov, S. Doye*

A One-Pot Procedure for the Synthesis of α -Amino Phosphonates from Alkynes

Keywords: Alkynes / Amination / Homogeneous catalysis / Phosphorus / Titanium

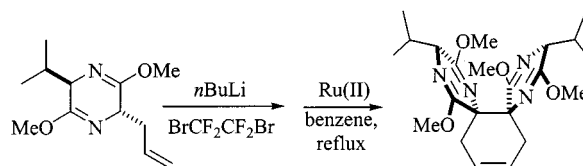


464

K. Efskind, H. Hope, K. Undheim*

Homocoupling in the Preparation of Dimeric Cyclic Peptide Derivatives

Keywords: Amino acids / Lactams / Asymmetric synthesis / C-C coupling / Ruthenium / Cyclization

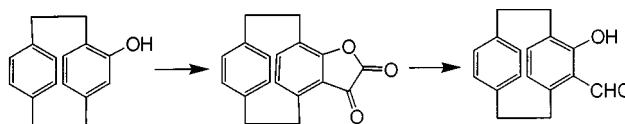


468

V. Rozenberg,* T. Danilova, E. Sergeeva,
E. Vorontsov, Z. Starikova, A. Korlyukov,
H. Hopf*

Resolution and Novel Reactions of 4-Hydroxy-
[2.2]paracyclophane

Keywords: Chiral resolution / Chirality / Cyclophanes /
Oxaloylation / Regioselective *ortho*, *para*
substitution / Stereoselective synthesis

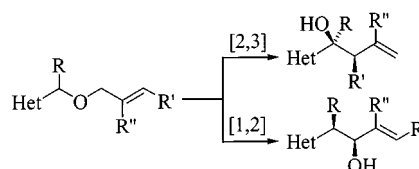


478

V. Capriati, S. Florio, G. Ingrosso,
C. Granito, L. Troisi*

Stereoselective and Competitive [1,2]- and [2,3]-
Wittig Rearrangements of Allyl Heteroarylalkyl
Ethers

Keywords: Allylic alcohols / Homoallylic alcohols /
Allyl heteroaryl ethers / Heterocycles /
Sigmatropic rearrangement

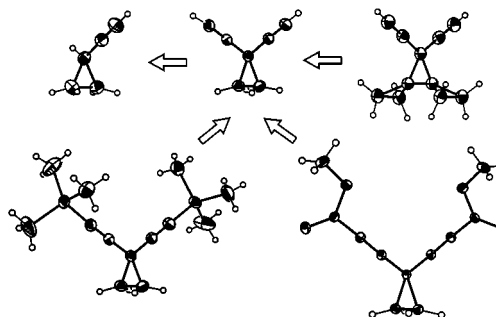


485

A. de Meijere,* S. I. Kozhushkov, R. Boese,*
T. Haumann, D. S. Yufit, J. A. K. Howard,
L. S. Khaikin, M. Trätteleberg*

Structural Parameters and Electronic Interactions in Substituted 1,1-Diethynylcyclopropanes – An Experimental Study

Keywords: Alkynes / Conjugation / Diethynylcyclopropanes / Small ring systems / Structure elucidation

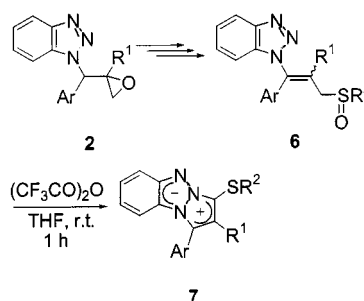


493

T. Kim, K. Kim,* Y. J. Park*

A Novel Method for the Synthesis of 2,3-Benzo-
1,3a,6a-triazapentalenes through Pummerer-
Type Reactions of γ -(Benzotriazol-1-yl)allylic
Sulfoxides

Keywords: Betaines / Electrophilic additions / Epoxidations / Heterocycles

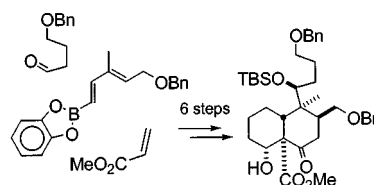


503

J.-Y. Lallemand,* Y. Six, L. Ricard

A Concise Synthesis of an Advanced Clerodin
Intermediate through a Vaultier Tandem
Reaction

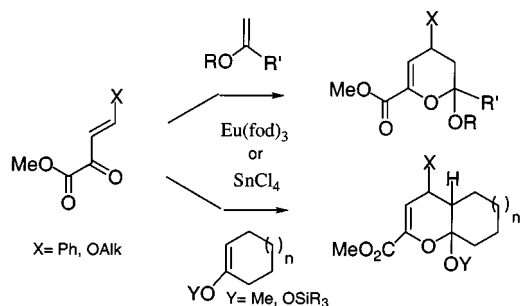
Keywords: Boron / Cycloadditions / Oxygenations /
Terpenoids



514 A. Martel, S. Leconte, G. Dujardin,*
E. Brown, V. Maisonneuve, R. Retoux

Lewis Acid Catalysed [4+2] Heterocycloadditions between Ketone Enol Ethers and β -Ethylenic α -Oxo Esters

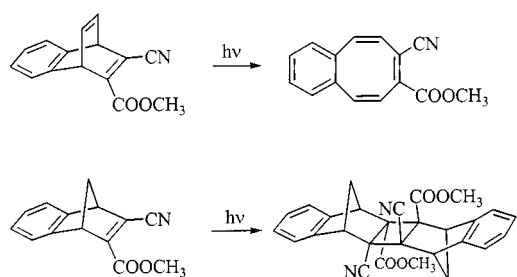
Keywords: Catalysis / Cycloaddition / Enols / Ketones / Lewis acids



526 R. Altundas, A. Dastan, N. S. Ünalı, K. Güven, O. Uzun, M. Balci*

The Di- π -methane Photorearrangement of 2,3-Disubstituted Benzobarrelenes and Benzonorbornadiene – Substituent Effects in Regioselectivity

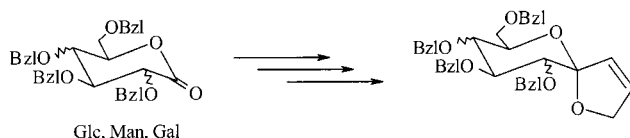
Keywords: Benzobarrelene / Benzonorbornadiene / Di- π -methane rearrangement / Photolysis



534 R. Caputo, A. Guaragna,* G. Palumbo, S. Pedatella, F. Solla

Mild Stereoselective Synthesis of Fully Protected 1,6-Dioxaspiro[4.5]dec-3-ene Derivatives of Sugars

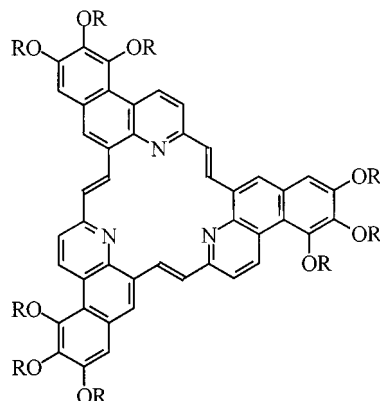
Keywords: Spiro compounds / Carbohydrates / Lactones



537 H. Meier,* C. Schnorpfeil, M. Fetten, S. Hinneschiedt

Areno-Condensed 1,7,13-Triaza[18]annulenes

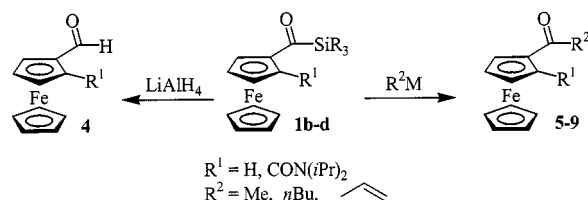
Keywords: Annulenes / Complexation / Condensation / Cyclization / Protonation



543 B. F. Bonini,* M. Comes-Franchini, M. Fochi, G. Mazzanti, A. Ricci, A. Alberti, D. Macciantelli, M. Marcaccio, S. Roffia

On the Reactivity of Ferrocenoylsilanes

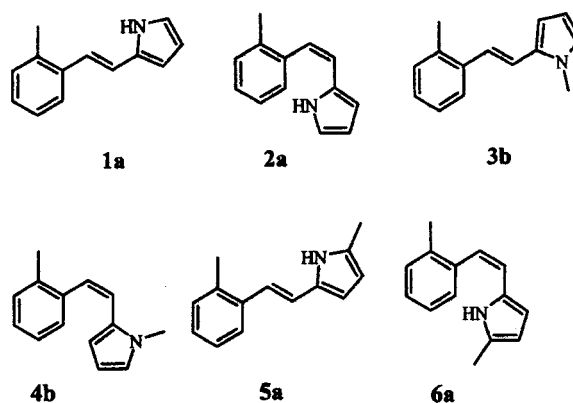
Keywords: Acylsilanes / Planar chirality / Ferrocene / Reduction / Nucleophilic substitution



551 P. Rademacher,* N. Basaric, K. Kowski,
M. Šindler-Kulyk

Photoelectron Spectra, Electronic Structures,
and Conformational Properties of Substituted
2-Styrylpyrroles

Keywords: Conformation analysis / Density functional
calculations / Electronic structure / Photo-
electron spectroscopy



557 Y. Lin,* K. K. Andersen

On the Tautomerism of 2,4-Disubstituted
Thiazolones

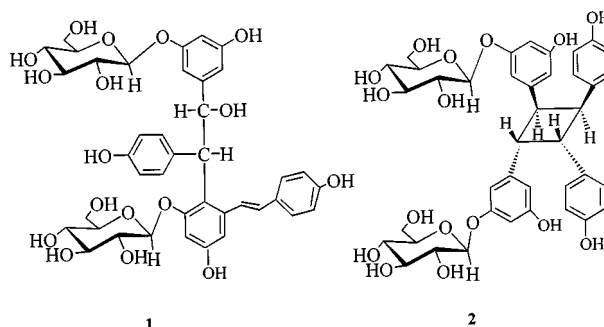
Keywords: Heterocycles / Thiazolones / Synthesis /
Tautomerism



564 K. Xiao, L. Xuan, Y. Xu,* D. Bai, D. Zhong,
H. Wu, Z. Wang, M. Zhang

Dimeric Stilbene Glycosides from *Polygonum*
cuspidatum

Keywords: Glycosides / NMR spectroscopy / Natural
products / *Polygonum cuspidatum*



569 M. Freccero, R. Gandolfi,* M. Sarzi-Amade',
B. Bovio



Reactions between Triazoliniones and Equili-
brating Forms of Cycloheptatriene Derivatives
Featuring 7,7-Spiro and 1,7-Fused Heterocyclic
Rings

Keywords: Cycloadditions / Cycloheptatriene deriva-
tives / Density functional calculations /
Nitrogen heterocycles

