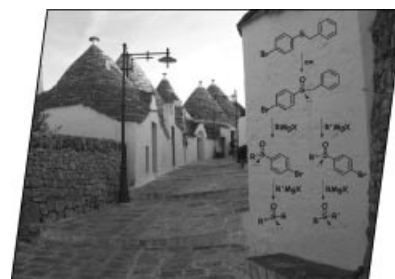


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www.interscience.wiley.com/alerts

COVER PICTURE

The cover picture shows a typical street with “trulli”, characteristic Apulian houses with a conical roof, which are rather common in Alberobello, a town located near Bari (Italy), where part of the research reported in the Microreview by F. Naso et al. on p. 1855ff. was performed. The view acts as a background for the scheme demonstrating the use of carbanionic leaving groups in enantioselective routes to sulfoxides.



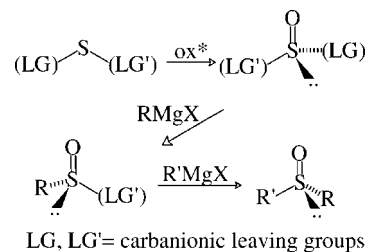
MICROREVIEWS

Contents

1855 M. A. M. Capozzi, C. Cardellicchio,
 F. Naso*

Enantioselective Routes to Sulfoxides Based
 Upon the Use of Carbanionic Leaving Groups

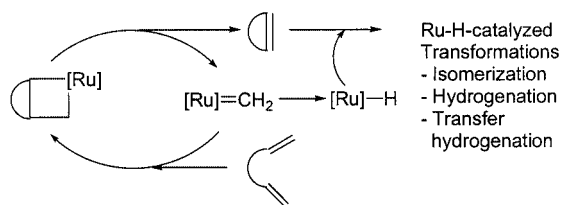
Keywords: Carbanions / Asymmetric catalysis /
 Leaving groups / Sulfoxides



1865 B. Schmidt

Catalysis at the Interface of Ruthenium Carbene and Ruthenium Hydride Chemistry: Organometallic Aspects and Applications to Organic Synthesis

Keywords: Catalysis / Hydride complexes / Isomerization / Metathesis / Ruthenium



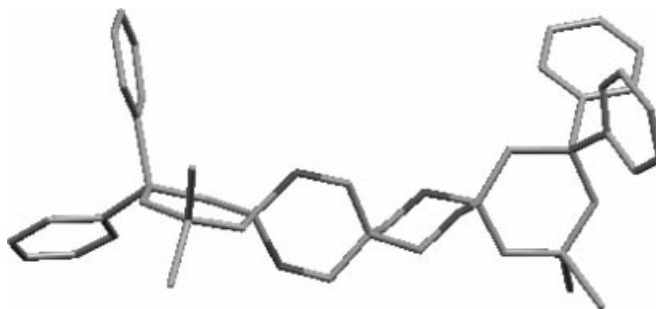
SHORT COMMUNICATIONS

1881 S. J. Coles, D. B. Davies, R. J. Eaton, M. B. Hursthouse, A. Kılıç, R. A. Shaw,* A. Uslu



Chiral Configurations of Spirane-Bridged Cyclotriphosphazenes

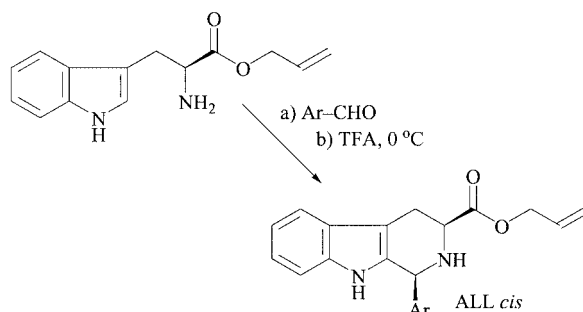
Keywords: Chirality / Cyclotriphosphazene derivatives / NMR spectroscopy / Tetraspiranes / X-ray diffraction



1887 L. Alberch, P. D. Bailey,* P. D. Clingan, T. J. Mills, R. A. Price, R. G. Pritchard

The *cis*-Specific Pictet–Spengler Reaction

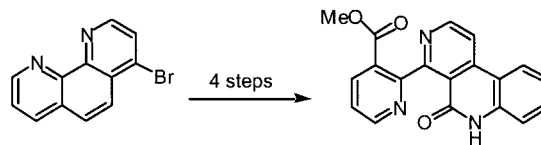
Keywords: Cyclization / Heterocycles / Alkaloids / Diastereoselectivity



1891 L. Bijere, L. Legentil, J. Bastide, F. Darro, C. Rochart, E. Delfourne*

A Total Synthesis of Subarine, a Marine Alkaloid Related to the Pyridoacridine Family

Keywords: Alkaloids / Natural products / Antitumor agents

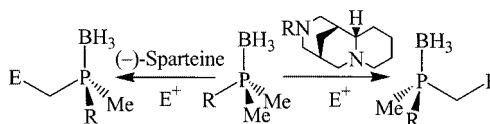


1894 M. J. Johansson, L. O. Schwartz, M. Amedjkouh, N. C. Kann*



Desymmetrization of Prochiral Phosphanes Using Derivatives of (–)-Cytisine

Keywords: Asymmetric synthesis / Phosphanes / Enantioselectivity / Sparteine / Lithiation

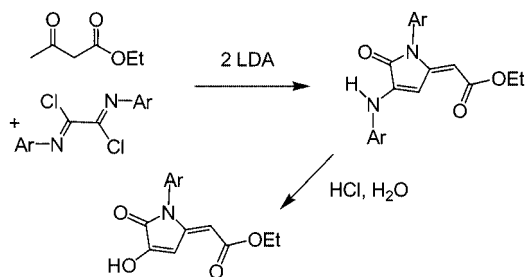


FULL PAPERS

1897 J. T. Anders, H. Görls, P. Langer,*

Synthesis of *N*-Aryl-5-alkylidene-2,5-dihydropyrrol-2-ones by “Cyclization/Dimroth Rearrangement” Reactions of 1,3-Dicarbonyl Dianions with Diimidoyl Dichlorides of Oxalic Acid

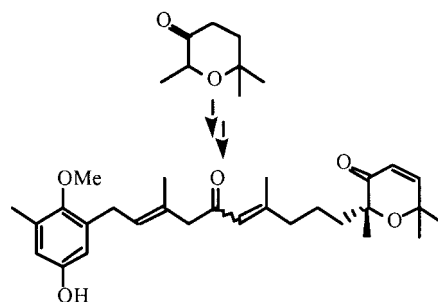
Keywords: Cyclization / Dianions / Heterocycles / Oxalic acid derivatives / Regioselectivity



1911 M. Danet, M. Normand-Bayle, J. Mahuteau, J. d'Angelo, G. Morgant, D. Desmaële*

Enantioselective Synthesis of the Originally Proposed Usneoidone Structure: Evidence for a Structural Revision

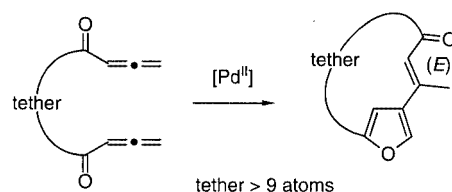
Keywords: Terpenoids / Structure revision / Heterocycles / Michael addition / Enantioselectivity



1923 A. S. K. Hashmi,* L. Schwarz, M. Bolte

Synthesis of 2,4-Furanophanes by Palladium-Catalyzed Macrocyclization Reactions of 1,*n*-Diallenyl Diketones

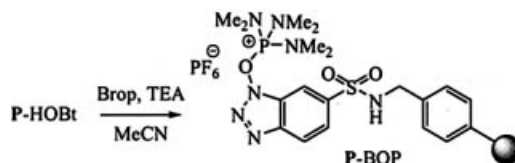
Keywords: Cyclophanes / Heterocycles / Homogeneous catalysis / Macrocycles / Palladium



1936 S. V. Filip,* V. Lejeune, J.-P. Vors, J. Martinez, F. Cavalier*

Peptide Bond Formation Using Polymer-Bound BOP

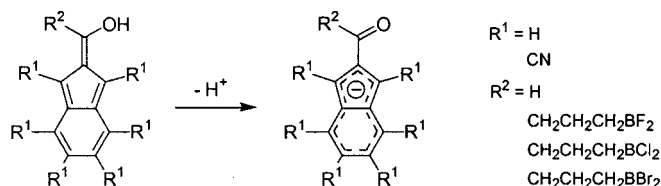
Keywords: Peptide synthesis / Polymer-supported reagents / BOP



1940 Z. B. Maksić,* R. Vianello

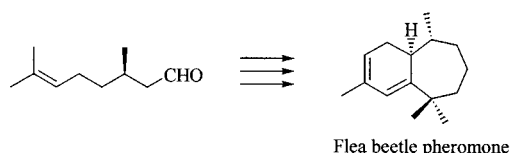
Design of Strong, Neutral Organic Superacids: DFT-B3LYP Calculations on Some Isobenzo-fulvene Derivatives

Keywords: Acidity / Superacids / Aromaticity / Brønsted acids / Lewis acids / Lewis bases



1946 S. Muto, M. Bando, K. Mori*

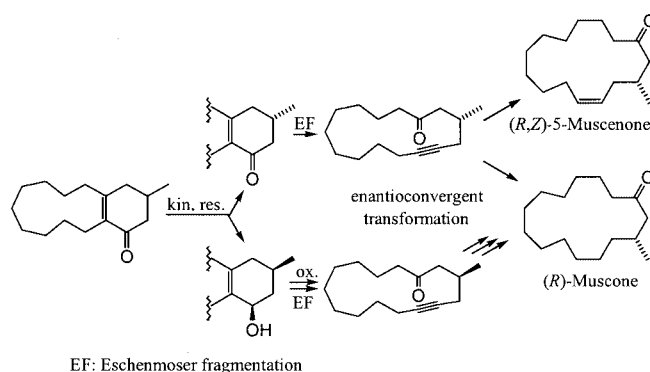
Synthesis and Stereochemistry of the Four Himachalene-Type Sesquiterpenes Isolated from the Flea Beetle (*Aphthona flava*) as Pheromone Candidates



Keywords: *Aphthona flava* / Configuration determination / Himachalenes / Pheromones / Terpenoids

1953 C. Fehr,* J. Galindo, O. Etter

An Efficient Enantioselective Synthesis of (+)-(R,Z)-5-Muscenone and (–)-(R)-Muscone – An Example of a Kinetic Resolution and Enantioconvergent Transformation

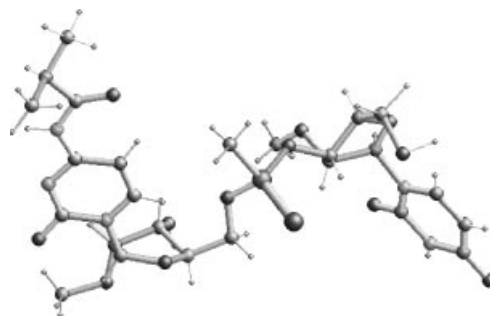


Keywords: Enantioconvergence / Kinetic resolution / Macrocycles / Odorants / Reduction

1958 S. Olejniczak, M. J. Potrzebowski, L. A. Wozniak*



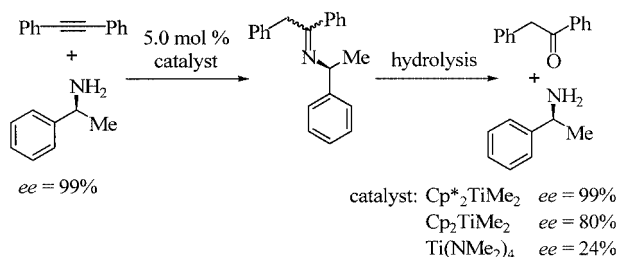
Synthesis and NMR Structural Analysis of 2'-OMe-Uridin-3'-yl (3',5')-5'-O-(N-Isobutyryl-2'-OMe-Cytidine) Methylthiophosphonates



Keywords: Antisense agents / Chirality / Conformation analysis / NMR spectroscopy / Oligonucleotides

1967 F. Pohlki, I. Bytschkov, H. Siebeneicher, A. Heutling, W. A. König,* S. Doye*

Enantiomerically Pure Amines as Substrates for the Ti-Catalyzed Hydroamination of Alkynes

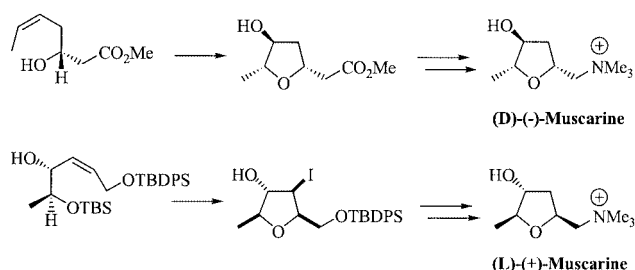


Keywords: Alkynes / Aminations / Asymmetric synthesis / Homogeneous catalysis / Titanium

1973 D. W. Knight,* D. E. Shaw, E. R. Staples

Two Contrasting Asymmetric Approaches to Muscarine Based on 5-*endo*-trig Cyclisations

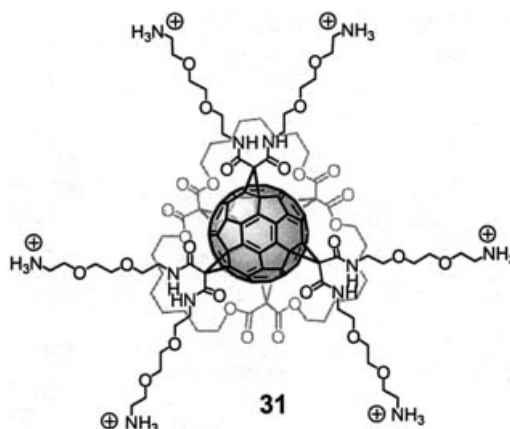
Keywords: Cyclisation / Muscarine / Oxygen heterocycles / Enantioselectivity / Natural products



1983 M. Braun, U. Hartnagel, E. Ravanelli, B. Schade, C. Böttcher, O. Vostrowsky, A. Hirsch*

Amphiphilic [5:1]- and [3:3]-Hexakisadducts of C₆₀

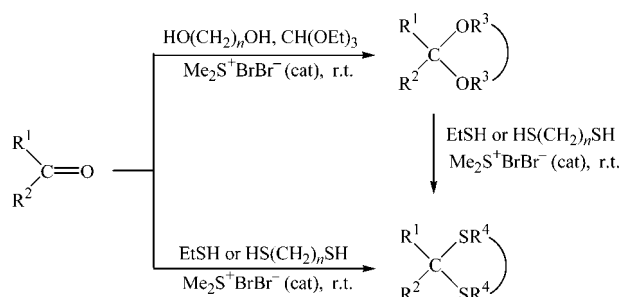
Keywords: Amphiphiles / Fullerenes / Liposomes / Micelles / Peptides



2002 A. T. Khan,* E. Mondal, S. Ghosh, S. Islam

A Simple and Practical Synthetic Protocol for Acetalisation, Thioacetalisation and Transthioacetalisation of Carbonyl Compounds under Solvent-Free Conditions

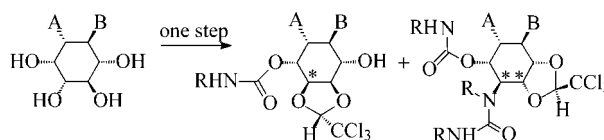
Keywords: Protecting groups / Carbonyl compounds / Acetals / Dithioacetals / Solvent-free reactions



2010 R. Miethchen,* K. Neitzel, K. Weise, M. Michalik, H. Reinke, F. Faltin

Competition between Non-Classical Single and Double Epimerizations in Cyclitol Chemistry

Keywords: Acetals / Inositols / Non-classical epimerization / Synthesis methods / Three-component reactions

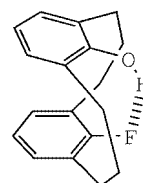


2019 H. Takemura, M. Kotoku, M. Yasutake,
T. Shinmyozu



9-Fluoro-18-hydroxy-[3.3]metacyclophane: Synthesis and Estimation of a C–F···H–O Hydrogen Bond

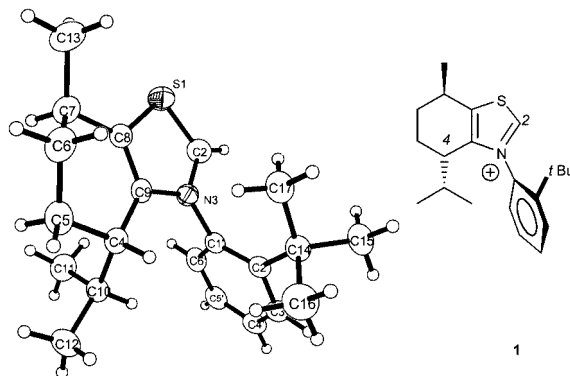
Keywords: Hydrogen bonds / Fluorine / Cyclophanes / X-ray diffraction



2025 J. Pesch, K. Harms, T. Bach*

Preparation of Axially Chiral *N,N'*-Diarylimidazolium and *N*-Arylthiazolium Salts and Evaluation of Their Catalytic Potential in the Benzoin and in the Intramolecular Stetter Reactions

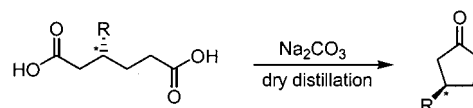
Keywords: Asymmetric catalysis / Atropisomerism / Carbenes / Heterocycles / Umpolung



2036 M. Renz,* A. Corma

Ketonic Decarboxylation Catalysed by Weak Bases and Its Application to an Optically Pure Substrate

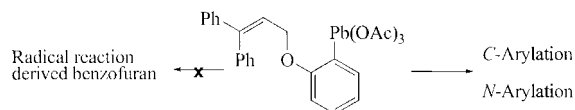
Keywords: Asymmetric synthesis / Base catalysis / Carboxylic acids / Cyclopentanone / Ketonic Decarboxylation



2040 A. Y. Fedorov, J.-P. Finet*

Organolead-Mediated Arylations: 2-(3,3-Diphenylallyloxy)phenyllead Triacetate as an Internal Free-Radical-Trap-Containing Reagent

Keywords: Arylation / Copper / Radicals / Organolead / Radical trap

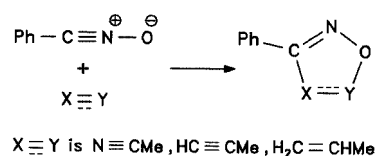


2046 V. Vullo, T. N. Danks, G. Wagner*



Cycloaddition of Benzonitrile Oxide to Acetonitrile, Propyne and Propene – A Comparative Theoretical Study of the Reaction Mechanism and Regioselectivity

Keywords: Cycloaddition / Nitrile oxides / Reaction mechanisms / Ab initio calculations / Orbital interactions

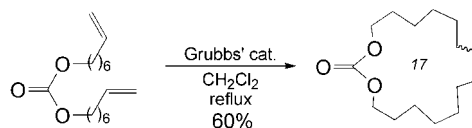


2053 A. Michrowska, P. Wawrzyniak, K. Grela*



Synthesis of Macrocyclic Carbonates with Musk Odor by Ring-Closing Olefin Metathesis

Keywords: Flavors and fragrances / Musk / Metathesis / Macrolides / Ruthenium



2057 S. Aury, P. Rubini,* C. Gérardin, C. Selve

Amphiphilic Amide Derivatives of D-Glucaric Acid. Synthesis and Complexing Properties Toward Lanthanide(III) Ions

Keywords: Amides / Carboxylate ligands / Lanthanides / NMR spectroscopy / O ligands

