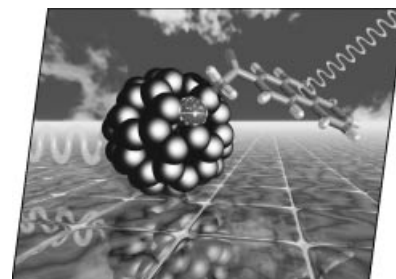


COVER PICTURE

The cover picture shows a typical example of a fluorophore-heterofullerene conjugate which represents a molecular energy transducer. The heterofullerene moiety is the $C_{59}N$ cluster and the fluorophore is, in this case, phenanthrene. In a similar way other fluorophores such as fluorene and pyrene units can be attached to the heterofullerenes. In such architectures, conformations that allow for effective π - π -stacking interactions can easily be adopted. This leads to favourable electronic communication between the two subsystems. It was found that a common deactivation process of the photoexcited fluorophores takes place, namely, a quantitative energy transduction to the heterofullerene unit. Details are discussed in the article by A. Hirsch, D. Guldi et al. on p. 1741ff.



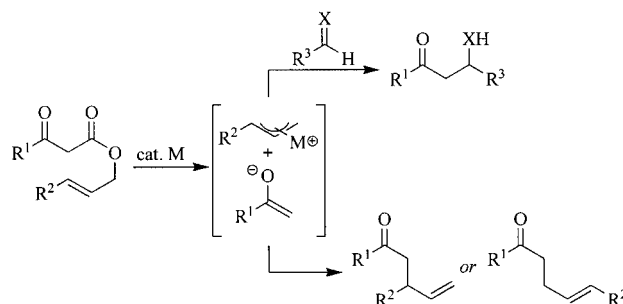
MICROREVIEW

Contents

1715 J. A. Tunge,* E. C. Burger*

Transition Metal Catalyzed Decarboxylative Additions of Enolates

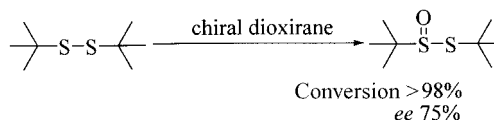
Keywords: Decarboxylation / Palladium enolates / Aldol / Allylic alkylation / Carroll rearrangement



SHORT COMMUNICATIONS

- 1727** S. Colonna,* V. Pironti, J. Drabowicz,
F. Brebion, L. Fensterbank, M. Malacria*

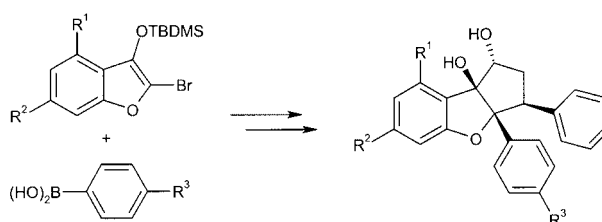
Enantioselective Synthesis of Thiosulfinates and of Acyclic Alkylidenemethylene Sulfide Sulf-oxides



Keywords: Chiral dioxirane / Thiosulfinate / Asymmetric synthesis / Bovine serum albumin / Enantioselectivity

- 1731** N. Diedrichs, J. P. Ragot, K. Thede*

A Highly Efficient Synthesis of Rocaglaols by a Novel α -Arylation of Ketones

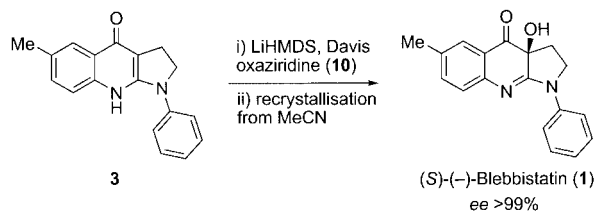


Keywords: α -Arylation of ketones / Drug design / Natural products / Suzuki reaction / Total synthesis

- 1736** C. Lucas-Lopez, S. Patterson, T. Blum,
A. F. Straight, J. Toth, A. M. Z. Slawin,
T. J. Mitchison, J. R. Sellers,
N. J. Westwood*



Absolute Stereochemical Assignment and Fluorescence Tuning of the Small Molecule Tool, (–)-Blebbistatin

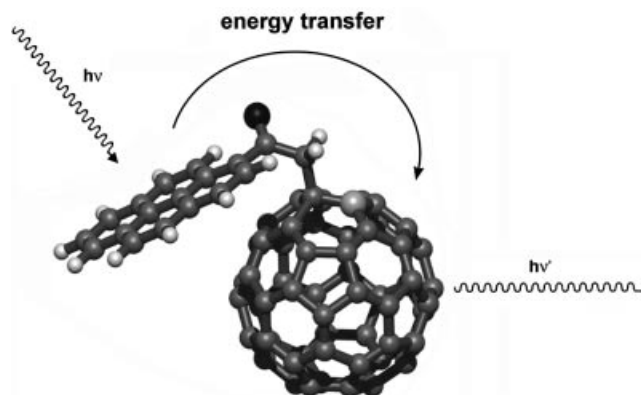


Keywords: Inhibitors / Asymmetric synthesis / Fluorescence

FULL PAPERS

- 1741** F. Hauke, A. Hirsch*, S. Atalick, D. Guldí*

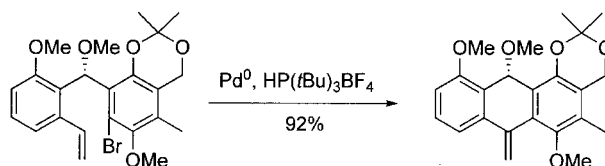
Quantitative Transduction of Excited-State Energy in Fluorophore-Heterofullerene Conjugates



Keywords: Fullerenes / Heterofullerenes / Fluorophores / Energy transfer / Quantum chemistry

1752 L. F. Tietze,* S. G. Stewart,
M. E. Polomska

Intramolecular Heck Reactions for the Synthesis of the Novel Antibiotic Mensacarcin: Investigation of Catalytic, Electronic and Conjugative Effects in the Preparation of the Hexahydroanthracene Core

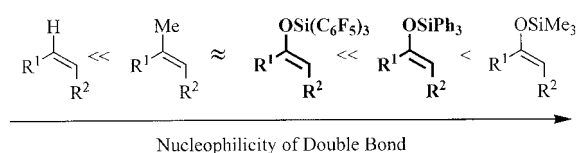


Keywords: Anthracenes / Antibiotics / Aromatic substitution / Heck reaction / Palladium

1760 A. D. Dilman,* H. Mayr



Nucleophilic Reactivities of Silyl Ketene Acetals and Silyl Enol Ethers Containing (C₆F₅)₃SiO and (C₆H₅)₃SiO Groups

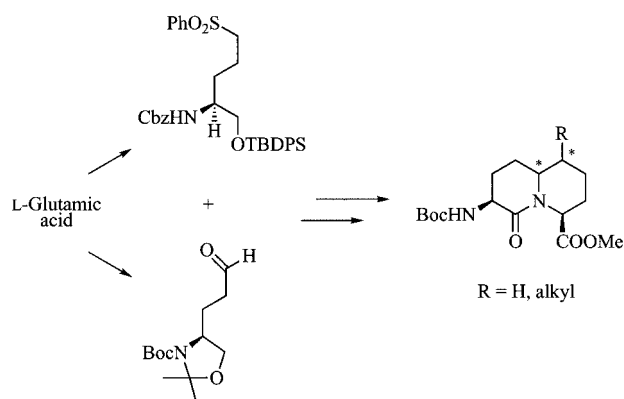


Keywords: Silicon / Perfluorinated ligands / Silyl ketene acetals and enol ethers / Kinetics / Substituent effects

1765 C. Truchot, Q. Wang, N. A. Sasaki*



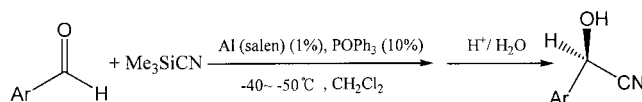
A New Diastereoselective Synthetic Approach to the Enantiopure Peptidomimetic Scaffold 2-Oxo-1-azabicyclo[4.4.0]decane



Keywords: Asymmetric synthesis / C–C coupling / Peptidomimetics / Synthetic methods

1777 S. S. Kim,* D. H. Song

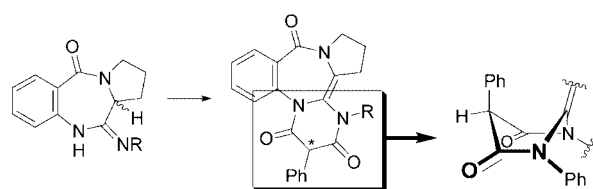
Asymmetric Cyanohydrin Synthesis Catalyzed by Al(salen)/Triphenylphosphane Oxide



Keywords: Aldehydes / Aluminum / Cyanation / Phosphane oxide

1781 A. Schmidt,* A. Gholipour Shilabin,
J. C. Namyslo, M. Nieger, S. Hemmen

Pyrimidine-Annulated Pyrrolobenzodiazepines. A New Ring System Related to *Aspergillus* Alkaloids

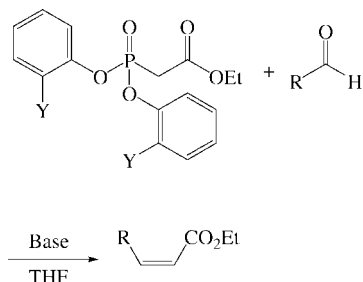


Keywords: Betaines / Nitrogen heterocycles / Tautomerism / Conformation analysis

1790 F. P. Touchard*

Phosphonate Modification for a Highly (*Z*)-Selective Synthesis of Unsaturated Esters by Horner–Wadsworth–Emmons Olefination

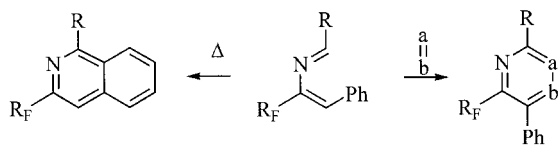
Keywords: Alkenes / Olefination / Wittig reaction



1795 F. Palacios,* C. Alonso, M. Rodríguez, E. Martínez de Marigorta, G. Rubiales

Preparation of 3-(Fluoroalkyl)-2-azadienes and Its Application in the Synthesis of (Fluoroalkyl)isoquinoline and -pyridine Derivatives

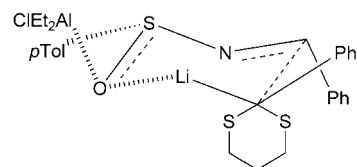
Keywords: Phosphazenes / Aza-Wittig reaction / Cycloaddition / 2-Azadienes / Fluoroalkylated compounds



1805 X. Xu, J. Liu, D. Chen, C. Timmons, G. Li*

A Lewis Acid Promoted Asymmetric Umpolung Reaction with Chiral *N*-Sulfinyl Imines as the Electrophiles

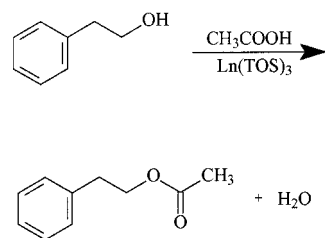
Keywords: Amino ketones / Asymmetric synthesis / 1,3-Dithianes / *N*-Sulfinyl imines / Umpolung



1810 T. N. Parac-Vogt, K. Deleersnyder, K. Binnemans*

Lanthanide(III) Tosylates as New Acylation Catalysts

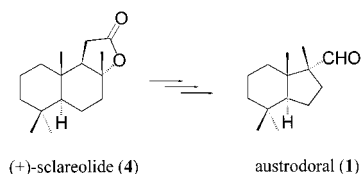
Keywords: Homogeneous catalysis / Lanthanides / Lewis acids / Acylation / Rare earths



1816 V. Kulciński, N. Ungur, M. Gavagnin,* M. Carbone, G. Cimino

Further Synthetic Studies Towards the Austro-dorane Skeleton: Synthesis of Austrodoral

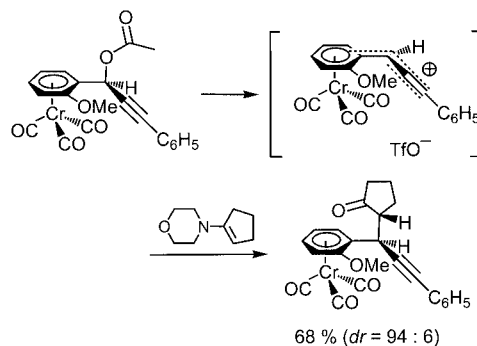
Keywords: Aldehydes / Natural products / Ring contraction / Terpenoids



1823

A. Netz, K. Polborn, H. Nöth,
T. J. J. Müller*

Facial Diastereoselectivity in Cationic Propargylations with Planar-Chiral AreneCr(CO)₃-Substituted Propargyl Cations

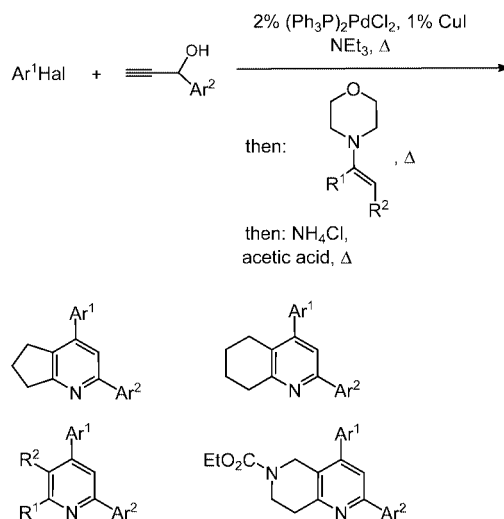


Keywords: Addition reactions / Alkynes / Arenes / Chromium / Diastereoselectivity

1834

O. G. Dediu, N. A. M. Yehia, T. Oeser,
K. Polborn, T. J. J. Müller*

Coupling–Isomerization–Enamine Addition–Cyclocondensation Sequences: A Multicomponent Approach to Substituted and Annelated Pyridines

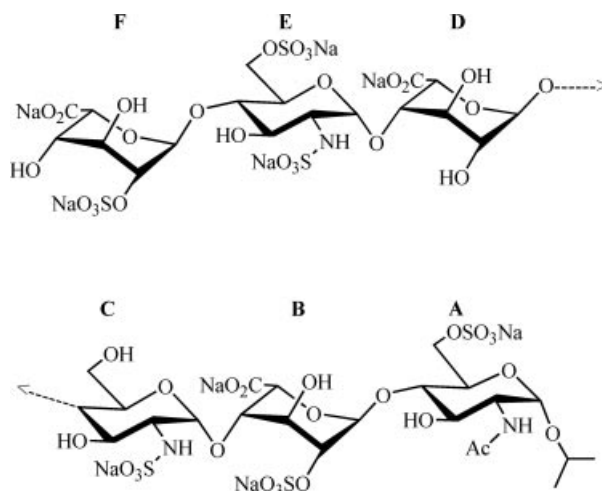


1849

J. L. de Paz, M. Martín-Lomas*



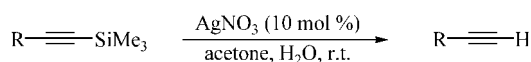
Synthesis and Biological Evaluation of a Heparin-Like Hexasaccharide with the Structural Motifs for Binding to FGF and FGFR



1859

A. Carpita, L. Mannocci, R. Rossi*

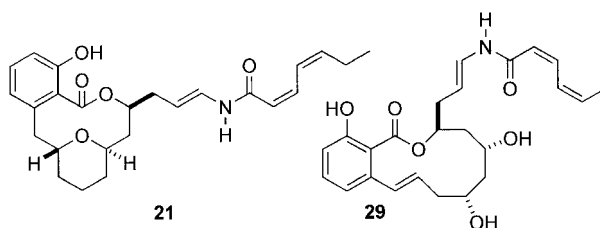
Silver(I)-Catalysed Protodesilylation of 1-(Trimethylsilyl)-1-alkynes



1865 A. F. Petri, F. Sasse, M. E. Maier*

Synthesis and Biological Evaluation of Apicularen A Analogues

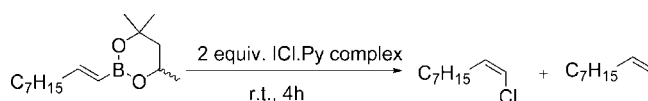
Keywords: Antitumor compounds / Enamides / Macrocycles / Natural product analogues



1876 A. S. Batsanov, J. A. K. Howard,
A. P. Lightfoot, S. J. R. Twiddle,
A. Whiting*

Stereoselective Chloro-Deboronation Reactions Induced by Substituted Pyridine–Iodine Chloride Complexes

Keywords: Iodine chloride / Pyridines / Complexes / Iodo-deboronation / Chloro-deboronation / Vinylboronate

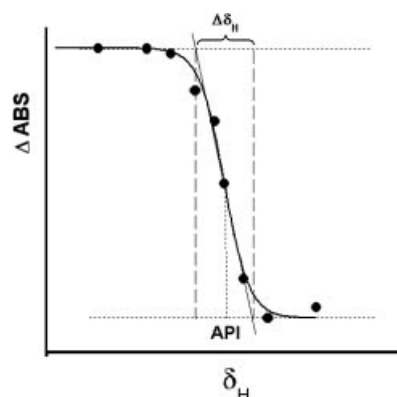


1884 G. Angelini, C. Cusan, P. De Maria,*
A. Fontana, M. Maggini, M. Pierini,*
M. Prato, S. Schergna, C. Villani



The Associative Properties of Some Amphiphilic Fullerene Derivatives

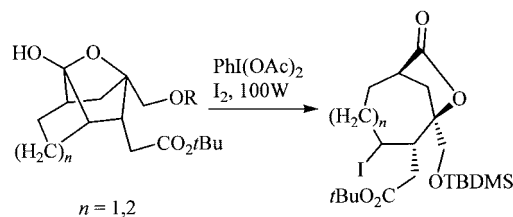
Keywords: Aggregation / Amphiphiles / Fullerenes / Partition coefficient



1892 N. G. Ramesh,* A. Hassner*

Studies Towards the Synthesis of Functionalized Medium-Sized Carbocyclic and Fused Bicyclic Systems by Alkoxy Radical Fragmentation (ARF)

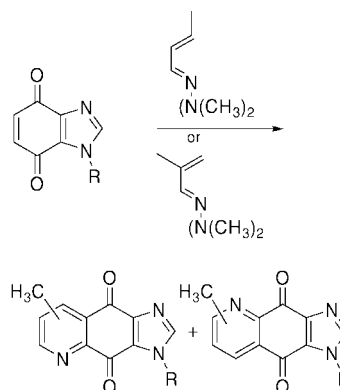
Keywords: Alkoxy radical fragmentation (ARF) / Carbocycles / Diquinane / Bicyclic compounds / Hemiketals / Cleavage reactions



1903 F. Alvarez, A. Taleb, J. Gentili, P. Nebois,*
R. Terreux, M. Domard, A. Thozet,
D. Merle, H. Fillion, N. Walchshofer

A Diels–Alder Strategy for the Building of
Imidazo[4,5-*g*]quinoline-4,9-dione Derivatives

Keywords: Benzimidazole / Cycloaddition / Nitrogen
heterocycles / Quinones

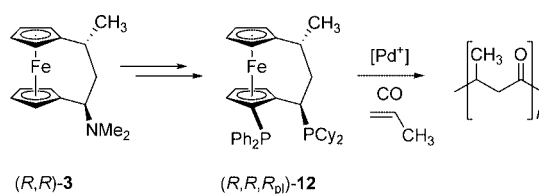


1909 P. Liptau, L. Tebben, G. Kehr, R. Fröhlich,
G. Erker,* F. Hollmann, B. Rieger



Preparation of Enantiomerically Pure [3]Ferro-
cenophane-Based Chelate Bis-Phosphane Li-
gands and Their Use in Asymmetric Alternating
Carbon Monoxide/Propene Copolymerization

Keywords: Chiral ferrocenophane / Copolymerization /
Asymmetric catalysis



1919 B. Plietker*

The RuO₄-Catalyzed Ketohydroxylation, Part I:
A Regio-, Chemo- and Stereoselectivity Study

Keywords: Ruthenium / Oxidation / Oxone® / Acy-
lolin / Hydroxy ketone

