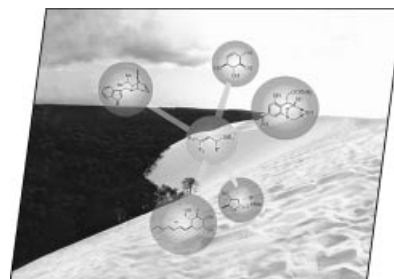


COVER PICTURE

The cover picture shows the “Dune of Pyla”, the highest sand dune in Europe (105 m high, 2.7 km long and 500 m wide). It is situated 70 km away from Bordeaux, where part of the research described in the Microreview by Landais et al. on p. 3173 ff. was performed. The dune is composed of 60 million m³ of sand (silicates). Silicon is the second most abundant element inside the earth crust [O₂ (46%), Si (28%), Al (8%)] and is essentially present in nature as its oxidized form (SiO₂). Synthetic organosilicon compounds, and more particularly allylsilanes, are very common and useful organometallic intermediates for organic synthesis. Such synthons are of economical importance due to the abundance of silicon, and are of environmental concern due to the low toxicity of organosilicon by-products.



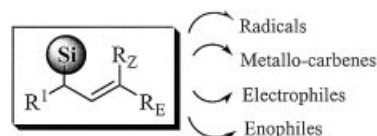
MICROREVIEW

Contents

3173 L. Chabaud, P. James, Y. Landais*

Allylsilanes in Organic Synthesis – Recent Developments

Keywords: Allylsilanes / Electrophilic addition / Annulation / Radicals / Metathesis

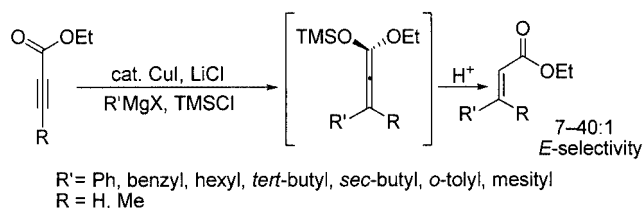


SHORT COMMUNICATION

3201 M. P. Jennings,* K. B. Sawant

TMSCl-Mediated Catalytic Carbocupration of Alkynoates: An Unprecedented and Remarkable Effect of Catalyst Loading on Highly Selective Stereochemical Induction via a TMS-Allenolate Intermediate

Keywords: Carbocupration / Cuprates / Grignard reaction / Propiolates / TMS-allenolate

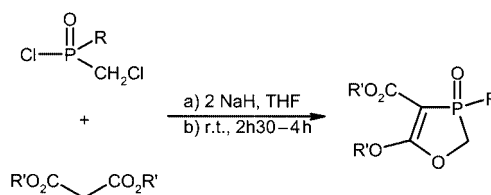


FULL PAPERS

3205 D. Virieux,* C. Ciptadi, Y.-A. Bekro, H.-J. Cristau

An Original Approach to the Synthesis of Phosphorus-Carbon Heterocycles – The 3-Oxo-2,3-dihydro-1,3-oxaphospholes

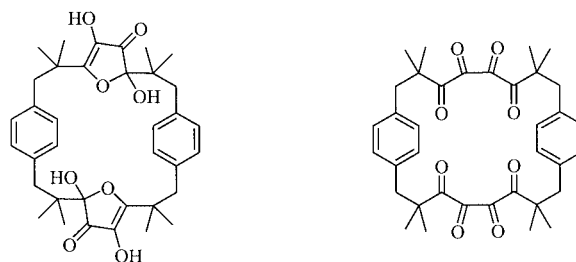
Keywords: Phosphorus heterocycles / Nitrogen heterocycles / Dihydro-1,3-oxaphospholes



3212 M. Peter, R. Gleiter,* F. Rominger, T. Oeser

A Cyclic Vicinal Bis(tetraketone) and Structural Investigations of Formoins

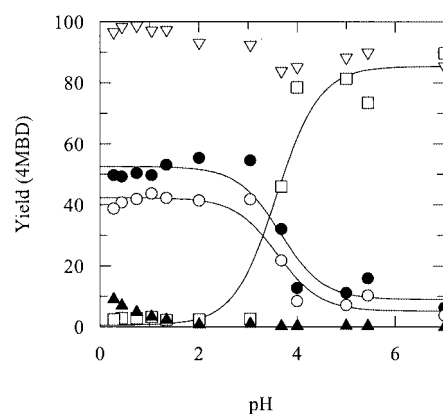
Keywords: Cyclophanes / Formoins / Polyketones



3221 R. Pazo-Llorente, C. Bravo-Diaz,* E. Gonzalez-Romero

pH Effects on Ethanolysis of Some Arenediazonium Ions: Evidence for Homolytic Dediazonation Proceeding through Formation of Transient Diazo Ethers

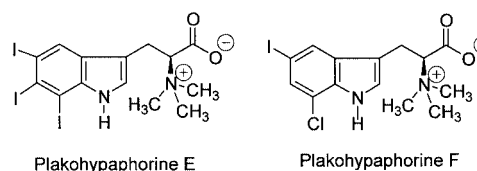
Keywords: Alcohols / Arenediazonium ions / Dediazonation / Kinetics / Solvolysis



3227 F. Borrelli, C. Campagnuolo, R. Capasso, E. Fattorusa,* O. Taglialatela-Scafati

Iodinated Indole Alkaloids From *Plakortis simplex* – New Plakohypaphorines and an Evaluation of Their Antihistamine Activity

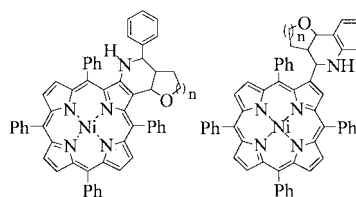
Keywords: Antihistaminic activity / Iodinated indoles / Iodine / Microwave dehalogenation / Natural products



- 3233** C. M. A. Alonso, M. G. P. M. S. Neves,
A. C. Tomé, A. M. S. Silva,
J. A. S. Cavaleiro*

β -Imino-*meso*-tetraphenylporphyrin Derivatives
in Hetero-Diels–Alder Reactions

Keywords: Cycloadditions / Diels–Alder reactions /
Lanthanides / Porphyrins / Quinolines

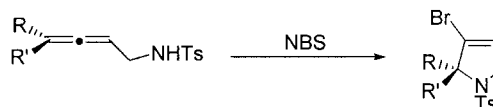


- 3240** A. Horváth, J. Benner, J.-E. Bäckvall*



Enantiocontrolled Synthesis of 3-Pyrrolines
from α -Amino Allenes

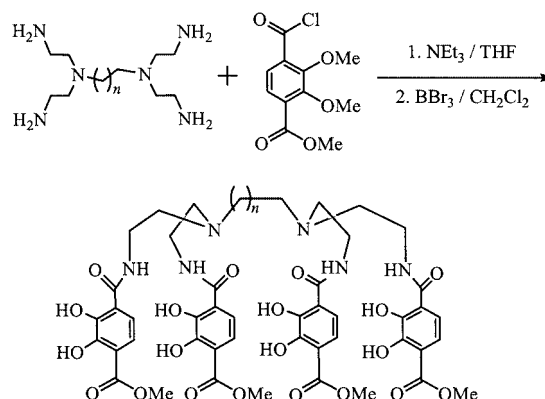
Keywords: Allenes / Cyclization / Nitrogen hetero-
cycles



- 3244** J. Xu, A. E. V. Gorden, K. N. Raymond*

Octadentate Ligands Containing 2,3-Dihydroxy-
benzamide and 2,3-Dihydroxyterephthalamide
Coordinating Subunits on a Tetrapodal Amine
Backbone for Chelation of Actinides

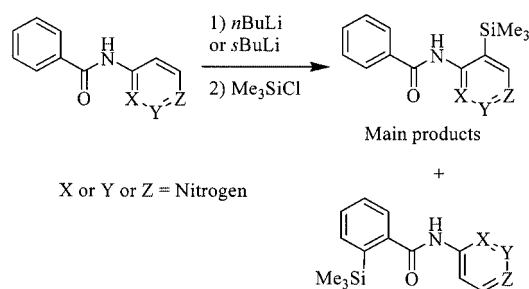
Keywords: Actinide / Ligand design / Macrocyclic
ligands / Siderophore / Synthetic methods



- 3254** A. Jóźwiak,* J. Z. Brzeziński,
M. W. Plotka, A. K. Szcześniak,
Z. Malinowski, J. Epszajn*

Behaviour of *N*-Pyridylbenzamides versus
Benzanilides in the *ortho*-Directed Lithiation of
Masked Aromatic Carboxylic Acids

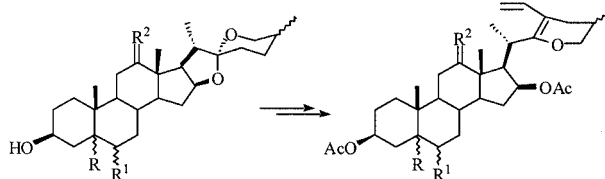
Keywords: *N*-Pyridylbenzamides / *ortho*-Lithiation /
Benzanilides / Silylated derivatives



- 3262** J. Sandoval-Ramírez,* S. Meza-Reyes,
R. E. del Río, F. Reyes-Vazquez,
R. L. Santillán, S. Achab, L. Bohé*

Short Synthesis of New 23-Vinyl Steroid Deriva-
tives from Sapogenins by the Action of 9-BBN
on Vinylous Esters

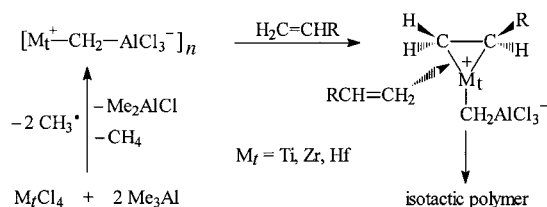
Keywords: Sapogenins / Spiroketal cleavage / Vinyl-
ogous esters / 9-BBN / 23-Vinyl-22,26-
epoxycholest-22-enes



3269 J. J. Eisch,* P. O. Otieno

The Synthesis and Reactivity of Group 4 Zwitterionic Complexes of the Type $M_t^+CH_2AlCl_3^-$: One-Component Stereoselective Polymerization and Oligomerization Catalysts for Olefins and Acetylenes

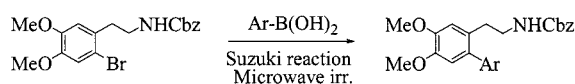
Keywords: Titanium / Zwitterions / Polymerization catalysts / Stereoselectivity / Oligomerization



3277 P. Appukkuttan, A. B. Orts, R. P. Chandran, J. L. Goeman, J. Van der Eycken, W. Dehaen, E. Van der Eycken*

Generation of a Small Library of Highly Electron-Rich 2-(Hetero)Aryl-Substituted Phenethylamines by the Suzuki–Miyaura Reaction: A Short Synthesis of an Apogalanthamine Analogue

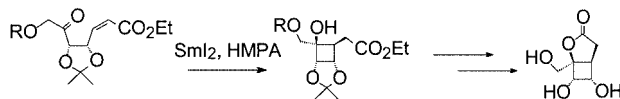
Keywords: Apogalanthamine / Biaryls / Cross coupling / Microwave irradiation / Palladium



3286 D. B. G. Williams,* K. Blann

Highly Functionalised Cyclobutanols by Samarium(II) Iodide Induced Radical Cyclisations of Carbohydrate-Derived Unsaturated Ketones

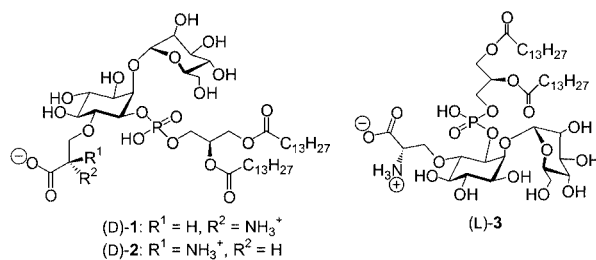
Keywords: Carbocycles / Carbohydrates / Radical reactions / Samarium / Small ring systems



3292 A. Stadelmaier, M. Biskup, R. R. Schmidt*

Synthesis of Serine-Linked Phosphatidylinositol Mannosides (PIMs)

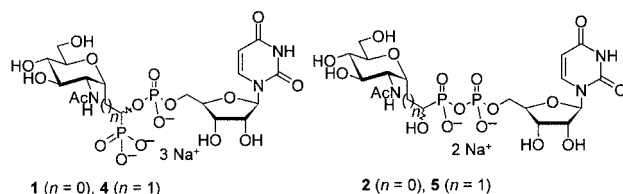
Keywords: Phosphatidylinositol / Phosphatidylinositol mannoside / Serine attachment / Synthesis / Structural assignment



3304 F. Stolz, A. Blume, S. Hinderlich, W. Reutter, R. R. Schmidt*

C-Glycosidic UDP-GlcNAc Analogues as Inhibitors of UDP-GlcNAc 2-Epimerase

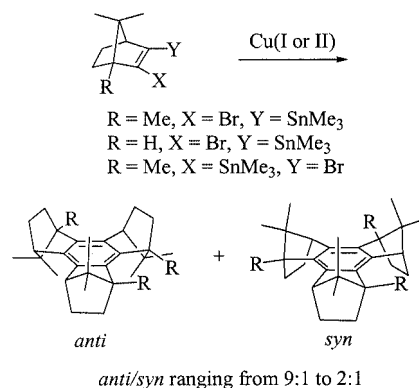
Keywords: Carbohydrates / Biosynthesis / Neuraminic acid / Inhibitors / C-Glycoside



3313 F. Fabris,* L. Zambrini, E. Rosso,
O. De Lucchi

Comparative Cyclotrimerisation of Enantiopure *vic*-Bromo(trimethylstannyl)bicycloalkenes Derived from (+)-Camphor, (+)-Fenchocamphorone and (–)-Epicamphor: Effect of the Bridgehead Methyl Group on the *syn/anti* Product Ratios

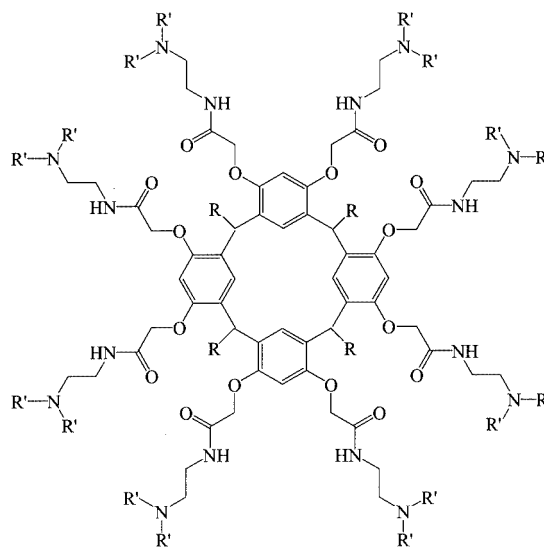
Keywords: Copper / Cyclotrimerisation / Diastereoselectivity / Dimerisation / Terpenes



3323 E. K. Kazakova,* J. E. Morozova,
A. V. Prosvirkin, A. Z. Pich, E. P. Gubanov,
A. A. Muslinkin, W. D. Habicher,
A. I. Konovalov

Self-Assembly of Octaaminoamido Derivatives of Resorcin[4]arene in Water – A “Cell-Like” Submicron-Scale Hydrogel Structure

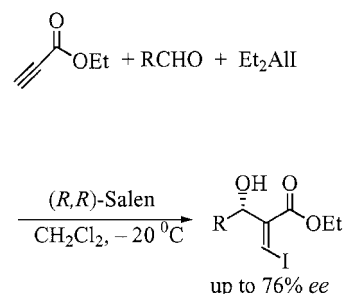
Keywords: Calixarenes / Gels / Nanostructures / Self-assembly



3330 D. Chen, C. Timmons, J. Liu, A. Headley,
G. Li*

The First Enantioselective Halo Aldol Reaction of Ethyl Propiolate and Aldehydes

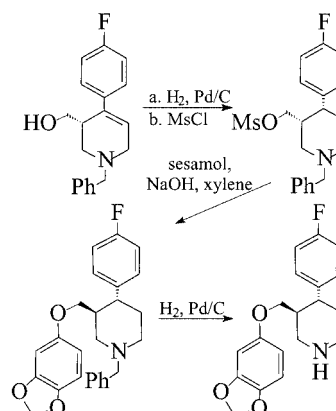
Keywords: Aldol reactions / Morita–Baylis–Hillman esters / Chiral salen / Enantioselectivity



3336 L. Czibula, A. Nemes,* F. Sebök,
C. Szántay, Jr., M. Mák

A Convenient Synthesis of (–)-Paroxetine

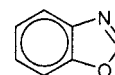
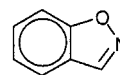
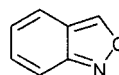
Keywords: Antidepressants / Hydrogenation / Neighboring-group effects / Azabicycloheptane intermediates



3340 M. A. R. Matos,* M. S. Mirada,
V. M. F. Morais, J. F. Liebman

Aspects of the Aromaticity of Anthranil

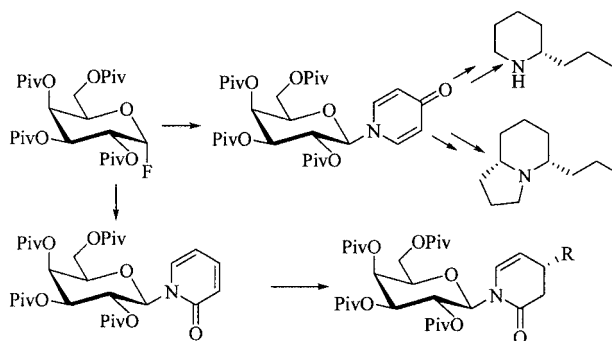
Keywords: Anthranil / Calorimetry / Density functional calculations / Aromaticity



3346 E. Klegraf, M. Follmann, D. Schollmeyer,
H. Kunz*

Stereoselective Synthesis of Enantiomerically Pure Piperidine Derivatives by *N*-Galactosylation of Pyridones

Keywords: Chiral auxiliaries / Pyridones / Conjugate addition / (*S*)-Coniine / (*5S,9S*)-Indolizidine 167B



CORRESPONDENCE

3361 T. Pathak

On the *Bis-Heteronucleophilic Michael Addition to Divinyl Sulfone: A New Efficient Access to Macrocycles* by Marie-Laure Teyssot, Martine Fayolle, Christian Philouze and Claude Dupuy

Keywords: Divinyl sulfones / Michael addition