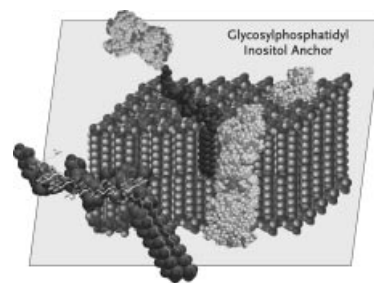


COVER PICTURE

The cover picture shows a glycosylphosphatidylinositol-(GPI)-anchored protein that is associated with the cell membrane. The insertion of the long lipid chains of GPIs into the membrane bilayers anchors numerous proteins and glycoproteins onto cell surfaces. GPI anchoring is ubiquitous and plays a critical role in the eukaryotic world. The chemical synthesis of some GPIs and GPI-linked peptides and glycopeptides is summarized in detail in the Microreview by Z. Guo and L. Bishop on p. 3585ff.



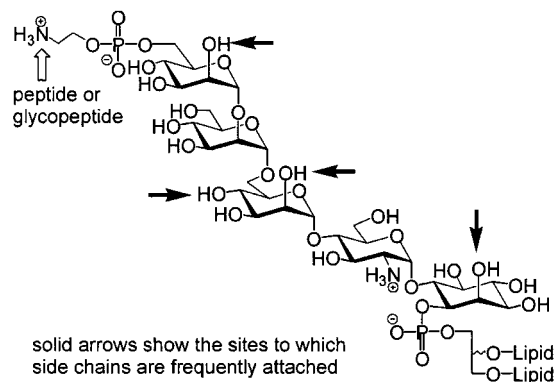
MICROREVIEW

Contents

3585 Z. Guo,* L. Bishop

Chemical Synthesis of GPIs and GPI-Anchored Glycopeptides

Keywords: Carbohydrates / GPI anchors / Glycolipids / Natural products / Glycopeptides

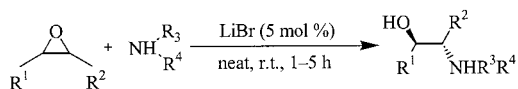


SHORT COMMUNICATION

3597 A. K. Chakraborti,* S. Rudrawar,
A. Kondaskar

Lithium Bromide, an Inexpensive and Efficient Catalyst for Opening of Epoxide Rings by Amines at Room Temperature under Solvent-Free Condition

Keywords: Lithium bromide / Catalyst / Epoxide / Amines / β -Amino alcohols / Selectivity

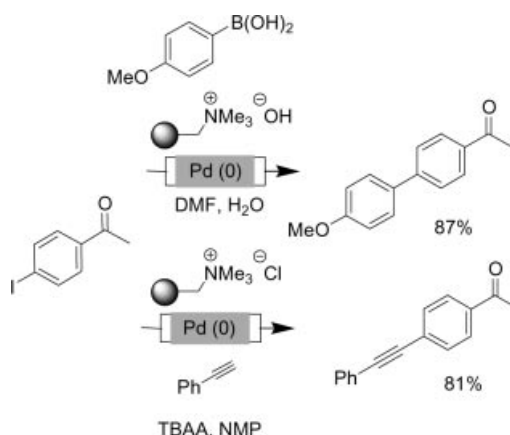


FULL PAPERS

3601 W. Solodenko, H. Wen, S. Leue,
F. Stuhlmann, G. Sourkouni-Argirusi,
G. Jas, H. Schönfeld, U. Kunz,
A. Kirschning*

Development of a Continuous-Flow System for Catalysis with Palladium(0) Particles

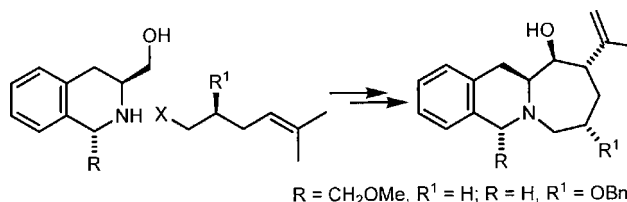
Keywords: Continuous-flow processes / Heterogeneous catalysis / Hydrogenation / Palladium / Supported catalysts



3611 O. Koepler, S. Laschat,* A. Baro, P. Fischer,
B. Miehlich, M. Hotfilder, C. le Viseur

Towards a Total Synthesis of Quinocarcin: Diastereoselective Synthesis of Functionalized Azepino[1,2-*b*]isoquinolines

Keywords: Catalysis / Ene reaction / Lewis acids / Natural products / Nitrogen heterocycles

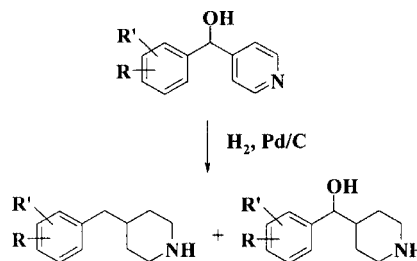


3623 B. Ágai, Á. Proszenyák, G. Tárkányi,
L. Vida, F. Faigl*



Convenient, Benign and Scalable Synthesis of 2- and 4-Substituted Benzylpiperidines

Keywords: Benzylpiperidines / Grignard reaction / Heterogeneous catalysis / Hydrogenation / Nitrogen heterocycles

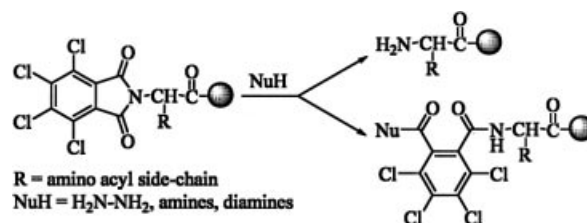


3633 E. Cros, M. Planas, G. Barany,* E. Bardají*



N-Tetrachlorophthaloyl (TCP) Protection for Solid-Phase Peptide Synthesis

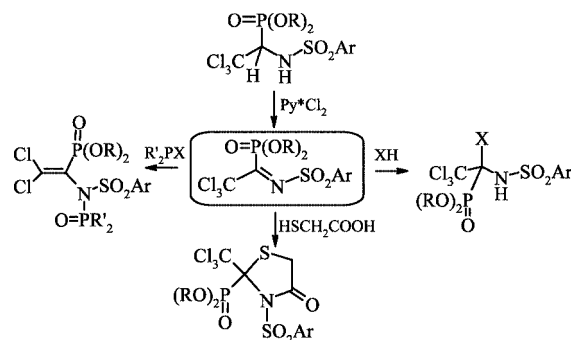
Keywords: Peptides / Solid-phase synthesis / Protecting groups / Synthetic methods / Macrocycles



3643 Y. V. Rassukana, P. P. Onys'ko,*
K. O. Davydova, A. D. Sinitsa

C-Phosphorylated *N*-(Trichloroethylidene)sulfonamides: A New Type of Highly Electrophilic Imines

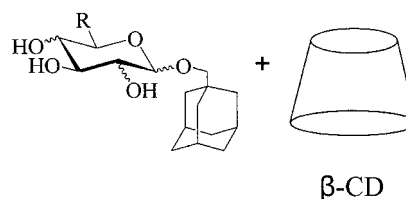
Keywords: α -Aminophosphonates / Nucleophilic addition / Sulfonamides / *N*-Sulfonylimines / Umpolung



3650 F. Charbonnier,* S. Penadés

A Straightforward Synthesis of 1-Adamantylmethyl Glycosides, and Their Binding to Cyclodextrins

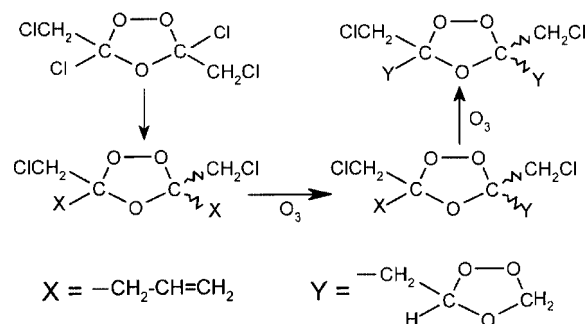
Keywords: Cyclodextrins / Glycosides / Host-guest systems / Synthetic methods



3657 K. Griesbaum,* R.-O. Quinkert,
K. J. McCullough

C–C Bond Formation at Ozonide Rings by Substitution of Chlorinated Ozonides

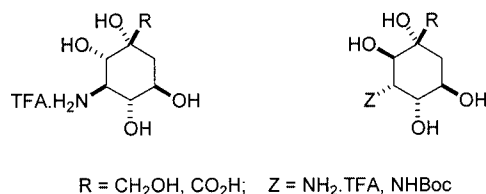
Keywords: C–C coupling / Ozonolysis / Substitution / Synthetic methods



3663 M. Carballido, L. Castedo,
C. González-Bello*

Synthesis of Amino Carba Sugars and Conformationally Restricted Polyhydroxy γ -Amino Acids from (–)-Quinic Acid

Keywords: Amino carba sugars / Polyhydroxy γ -amino acids / Regioselectivity / Glycosidase inhibitors

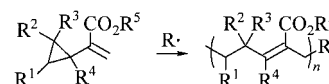


3669 A. de Meijere,* V. Bagutski, F. Zeuner,
U. K. Fischer, V. Rheinberger, N. Moszner



Synthesis and Radical Polymerization of Various 2-Cyclopropylacrylates

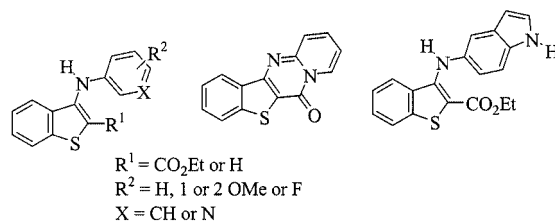
Keywords: Hydrolysis / Cycloaddition / Wittig reaction / Ring-opening polymerization / Copolymerization



3679 M.-J. R. P. Queiroz,* A. Begouin,
I. C. F. R. Ferreira, G. Kirsch,
R. C. Calhelha, S. Barbosa, L. M. Estevinho

Palladium-Catalysed Amination of Electron-Deficient or Relatively Electron-Rich Benzo-[b]thienyl Bromides – Preliminary Studies of Antimicrobial Activity and SARs

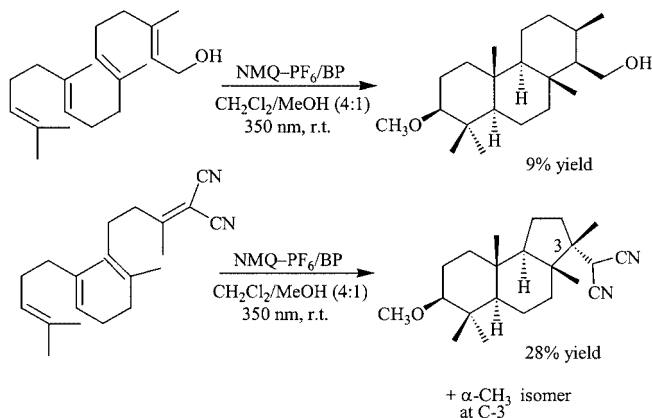
Keywords: Amination / Antimicrobial activity / Benzo-thiophenes / Diarylamines / Fluorescence / Palladium



3686 M. E. Ozser, H. Icil, Y. Makhynya,
M. Demuth*

Electron-Transfer-Initiated Cascade Cyclizations of Terpenoid Polyalkenes in a Low-Polarity Solvent: One-Step Synthesis of Mono- and Polycyclic Terpenoids with Various Functionalities

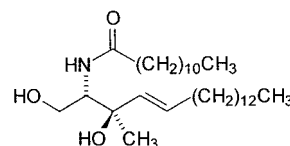
Keywords: Biomimetic synthesis / Photo-induced electron transfer / Polyene cascade cyclization / Radical cation / Terpenoids



3693 P. Sawatzki, T. Kolter*

Syntheses of 3-C-Methylceramides

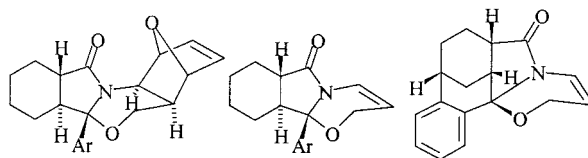
Keywords: Bioorganic chemistry / Cell surface engineering / Ceramide / Lipids / Sphingolipids



3701 G. Stájer,* F. Miklós, I. Kanizsai, F. Csende,
R. Sillanpää, P. Sohár

Application of Furan as a Diene: Preparation of Condensed 1,3-Oxazines by Retro-Diels–Alder Reactions

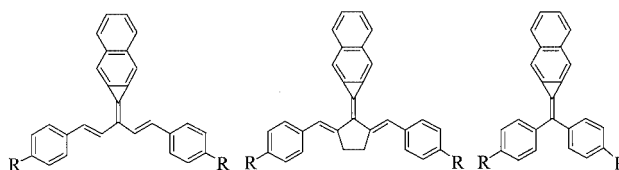
Keywords: NMR / Oxanorbornenes / 1,3-Oxazines / Pyrrole-fused heterocycles / Retro-Diels–Alder reaction



3707 G. M. Dixon, B. Halton*

Studies in the Cycloproparene Series: Cross-Conjugated π -Extended Alkylidenecycloproparenes

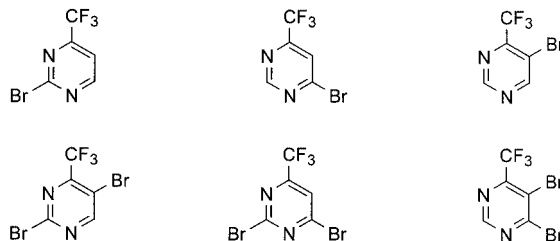
Keywords: Small ring systems / Arenes / Hydrocarbons / Peterson olefination / Strained molecules / Dipole moments



3714 L. Ondi, O. Lefebvre, M. Schlosser*

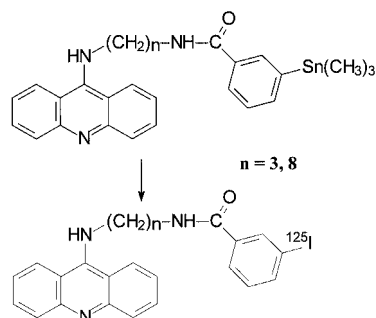
Brominated 4-(Trifluoromethyl)pyrimidines: A Convenient Access to Versatile Intermediates

Keywords: Pyrimidines / Trifluoromethyl groups / Bromination / Chlorination / Iodination / Reduction / 1,1,1-Trifluoro-4-methoxy-2-buten-3-one / Ethyl 4,4,4-trifluoroacetoacetate

**3719 S. Ghirmai, E. Mume, C. Henssen, H. Ghaneolhusseini, H. Lundqvist, V. Tolmachev, S. Sjöberg, A. Orlova***

Synthesis and Radioiodination of Some 9-Aminoacridine Derivatives

Keywords: DNA / Intercalations / Iodine / Labeling / Radiochemistry / Tautomerism

**IN MEMORIAM****3727 G. Quinkert**

Hans Herloff Inhoffen in His Times
(1906–1992)

Keywords: Reminiscences

