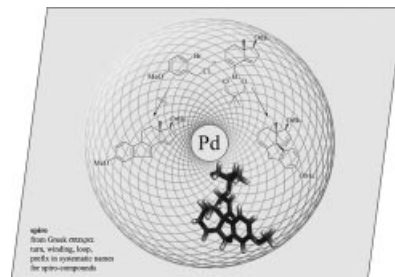


COVER PICTURE

The cover picture shows the unexpected formation of an unusual enantiopure spiro-B-norsteroid instead of the corresponding annulated compound by a twofold palladium-catalyzed transformation of a hydrindane–boronic ester and an *ortho*-bromobenzyl chloride. Details are discussed in the article by L. F. Tietze et al. on p. 4107 ff.



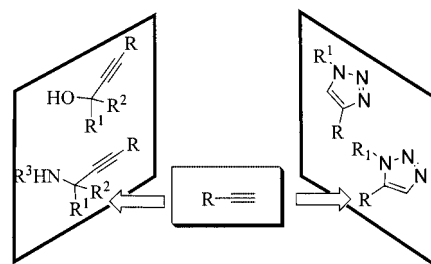
MICROREVIEW

Contents

4095 P. G. Cozzi,* R. Hilgraf, N. Zimmermann

Acetylenes in Catalysis: Enantioselective Additions to Carbonyl Groups and Imines and Applications Beyond

Keywords: Acetylenes / Enantioselectivity / Catalysis / Metal complexes

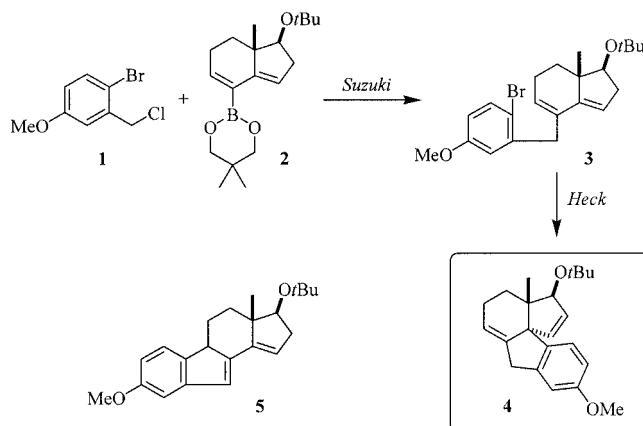


4107 L. F. Tietze,* J. M. Wiegand, C. A. Vock



Synthesis of a Novel Enantiopure Spiro-B-norestradiol Analogue by Multiple Pd-Catalyzed Transformations

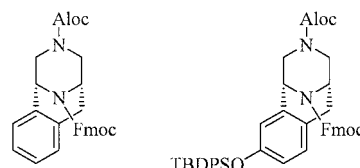
Keywords: Heck reaction / Palladium / Spiro compounds / Steroids / Suzuki reaction



4113 T. Opatz

Synthesis of two Conformationally Restricted Piperazine Scaffolds for Combinatorial Chemistry

Keywords: Combinatorial chemistry / Nitrogen heterocycles / Piperazines / Protecting groups / Scaffolds

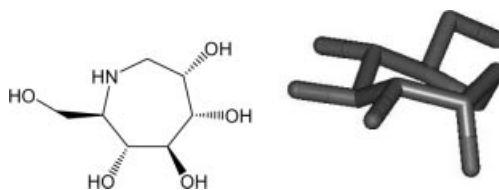


4119 K. Martínet-Mayorga, J. L. Medina-Franco, S. Mari, F. J. Cañada, E. Rodríguez-García, P. Vogel, H. Li, Y. Blériot,* P. Sinaÿ,* J. Jiménez-Barbero*



The Conformational Behavior of Novel Glycosidase Inhibitors with Substituted Azepan Structures: An NMR and Modeling Study

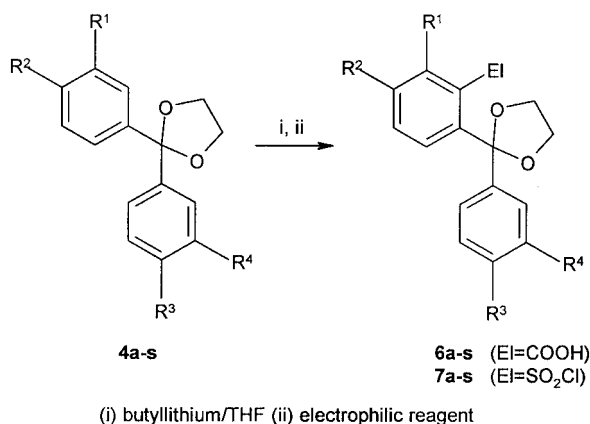
Keywords: Conformational analysis / Nuclear magnetic resonance / Polyhydroxyazepanes / Molecular modeling / Glycosidase inhibitors / Glycomimetics



4130 Gy. Lukács, M. Porcs-Makkay, Gy. Simig*

Lithiation of 2-Aryl-2-(chloroaryl)-1,3-dioxolanes and Its Application in the Synthesis of New *ortho*-Functionalized Benzophenone Derivatives

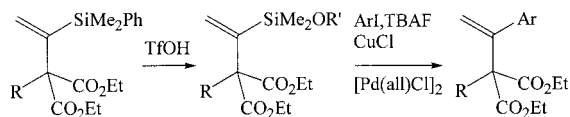
Keywords: Lithiation / Substituent effects / Benzophenones / 1,3-Dioxolanes



4141 S. K. Ghosh,* R. Singh, G. C. Singh



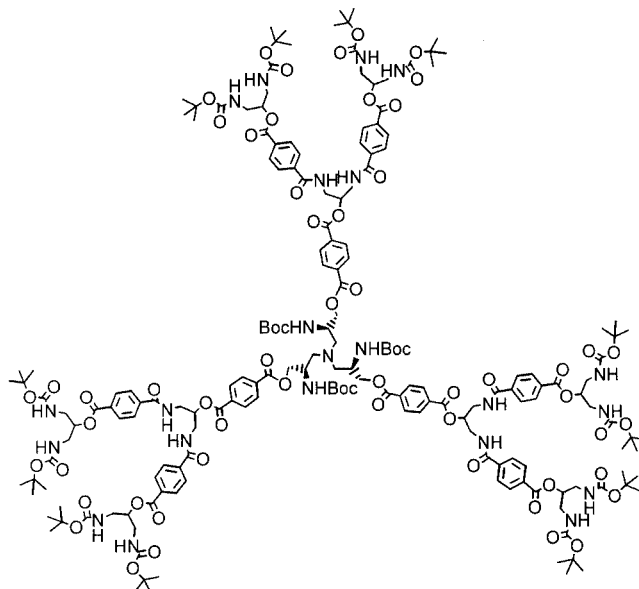
Synthesis of Functionalized 1-Substituted Alkenylsilanols and Establishment of Conditions for Their Palladium-Catalyzed Cross-Coupling Reactions To Afford 1-Substituted Styrene Derivatives



Keywords: Catalysis / Cross-coupling / Palladium / Styrenes / Vinylsilanes

4148 B. Romagnoli, I. van Baal, D. W. Price, L. M. Harwood, W. Hayes*

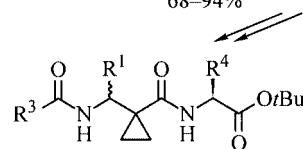
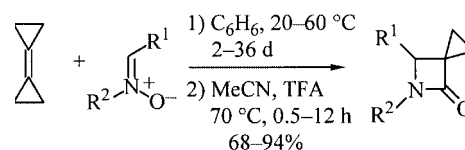
Chiral Poly(aromatic amide ester) Dendrimers Bearing an Amino Acid Derived C₃-Symmetric Core – Synthesis and Properties



Keywords: Dendrimers / Chirality / Amino acids / Amides / Carboxylic acids

4158 A. Zanobini, M. Gensini, J. Magull, D. Vidovic, S. I. Kozhushkov, A. Brandi,* A. de Meijere*

A Convenient New Synthesis of 3-Substituted β -Lactams Formally Derived from 1-(Amino-methyl)cyclopropanecarboxylic Acids



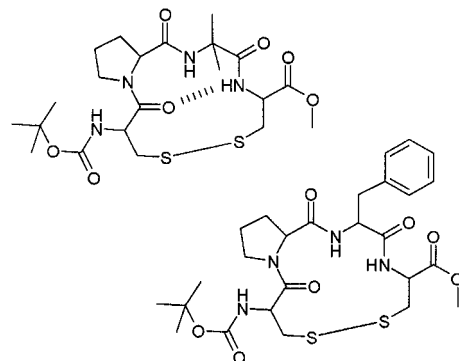
$R^1 = \text{CO}_2\text{Me}, \text{CN}, \text{Ph}; R^2 = \text{Bn}, \text{PMB}$
 $R^3 = \text{Ph}, \text{OrBu}; R^4 = \text{H}, \text{Bn}$

Keywords: Amino acids / Bicyclopopylidene / Cyclo-addition / Rearrangement / Nitrones / Spiro compounds

4167 C. Kolano, K. Gomann, W. Sander*



Small Cyclic Disulfide Peptides: Synthesis in Preparative Amounts and Characterization by Means of NMR and FT-IR Spectroscopy

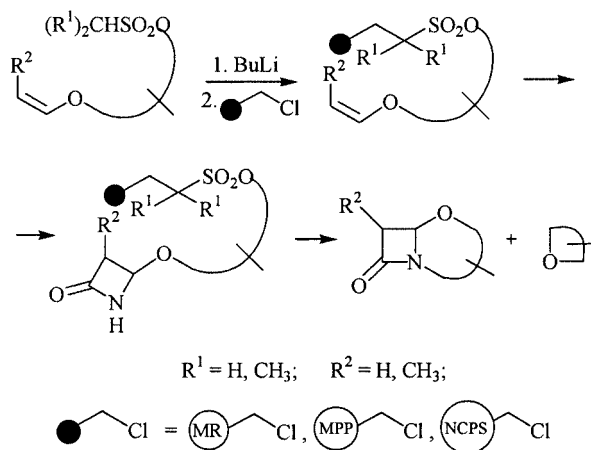


Keywords: Peptides / Disulfide bond formation / High dilution / Hydrogen bonds / ATR technique / Temperature-dependent IR spectroscopy

4177 R. Łysek, B. Grzeszczyk, B. Furman,
M. Chmielewski*

[2+2]-Cycloaddition of Chlorosulfonyl Isocyanate to (Z)-Propenyl Ethers Bound to Polystyrene Resins by Alkylsulfonyl Linkers

Keywords: [2+2]-Cycloaddition / Chlorosulfonyl isocyanate / Solid-phase organic synthesis / Clavams / 5-Oxacephams

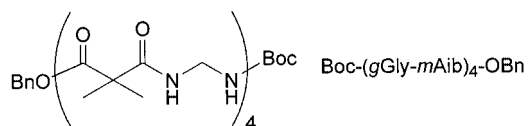


4188 S. Ceretti, G. Luppi, S. De Pol,
F. Formaggio, M. Crisma, C. Toniolo,
C. Tomasini*



Total Synthesis of Sequential Retro-Peptide Oligomers

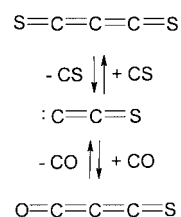
Keywords: Conformation analysis / Curtius rearrangement / Peptidomimetics / Retro-peptides



4197 G. Maier,* H. P. Reisenauer, R. Ruppel

Thioxoethenylidene C₂S: A Matrix-Spectroscopic Study

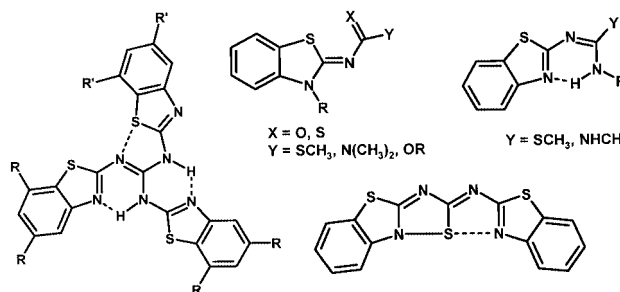
Keywords: Cumulenes / Carbenes / Matrix isolation / Photoisomerizations / Density functional calculations



4203 F. Téllez, A. Cruz, H. López-Sandoval,
I. Ramos-García, M. Gayosso,
R. N. Castillo-Sierra, B. Paz-Michel,
H. Nöth, A. Flores-Parra, R. Contreras*

Dithiocarbamates, Thiocarbamic Esters, Dithiocarboimides, Guanidines, Thioureas, Isothioureas, and Tetraazathiapentalene Derived from 2-Aminobenzothiazole

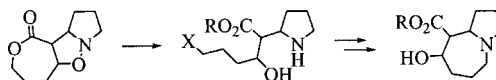
Keywords: 2-Aminobenzothiazole / Dibenzothiazolyl-tetraazathiapentalene / Electrophilic and nucleophilic sulfur atoms



4215 P. Cid, M. Closa, P. de March,
M. Figueredo,* J. Font, E. Sanfeliu,
A. Soria

Preparation of Intermediates for the Synthesis of Polycyclic Alkaloids: A New Access to the Aza-bicyclic Core of the *Stemona* Alkaloids

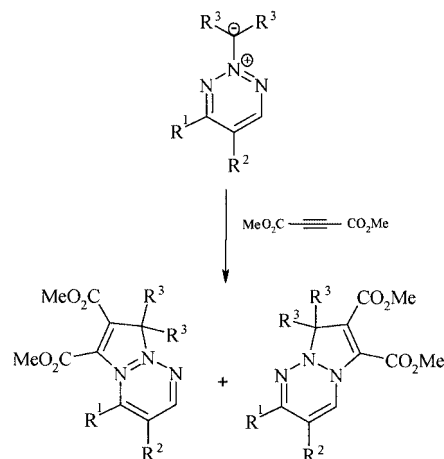
Keywords: Isoxazolidine / Oxepinone / Piperidine / Pyrrolidine / Polycyclic alkaloids / *Stemona*



4234 M. Mättner, H. Neunhoeffer*

1,3-Dipolar Cycloaddition Reactions with 1,2,3-Triazinium Ylides

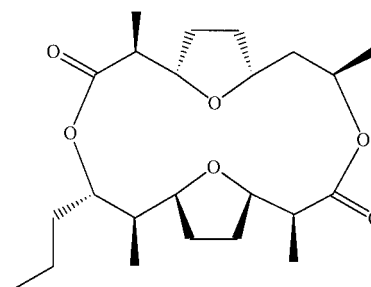
Keywords: Cycloaddition / Fused-ring systems / Heterocycles / Regioselectivity / Ylides



4239 T. Řezanka,* J. Spížek, V. Příkrylová,
V. M. Dembitsky

Four New Derivatives of Trihomononactic Acids from *Streptomyces globisporus*

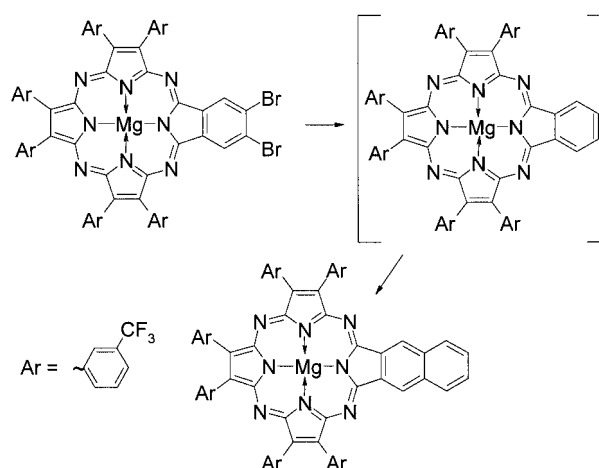
Keywords: *Streptomyces globisporus* / Nonactic and trihomononactic acids / Lactone



4245 S. Vagin, M. Hanack,* B. Kammerer,
A. Frickenschmidt

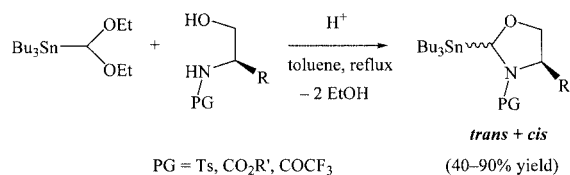
Some Reactions of Magnesium Arylporphyrazines: Evidence of Dehydroporphyrazine Formation

Keywords: Phthalocyanines / Porphyrazines / Aryno-porphyrazine / Dehydroporphyrazines / Tetraazachlorins



4251 J.-C. Cintrat, V. Léat-Crest, J.-L. Parrain,
E. Le Grogne, I. Beaudet, J.-P. Quintard*

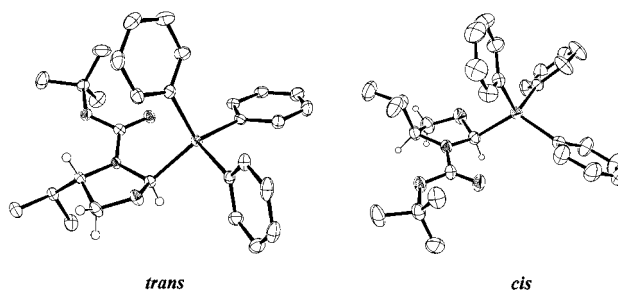
Preparation of Chiral 2-Stannyloxazolidines and
First Considerations on the Transacetalisation
Reaction Mechanism



Keywords: Chirality / Isomerisation / Oxazolidine /
Tin / Transacetalisation

4268 J.-C. Cintrat, V. Léat-Crest, J.-L. Parrain,
E. Le Grogne, I. Beaudet, L. Toupet,
J.-P. Quintard*

Identification of Chiral *cis*- and *trans*-2-Stannyl-
oxazolidines by Their NMR Spectra and Solid-
State Structures



Keywords: Configuration determination / Confor-
mation / NMR spectroscopy / Oxazol-
idine / Tin

CORRECTION

4280 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-trifluoroaceto-
acetate