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COVER PICTURE

The cover picture shows the dendritic growth in hexagonal symmetry of a columnar liquid-crystalline triphenylenetetracarboxylic alkyl ester on a silicon wafer, seen by differential interference contrast microscopy in reflection. This ester, straightforwardly obtained by regioselective formylation of 2,6,10-trimethyltriphenylene, is a member of the elusive class of electron-deficient, room-temperature columnar liquid crystals that are studied for use in organic optoelectronic devices. Details are discussed in the Short Communication by H. Bock et al. on p. 2889 ff.



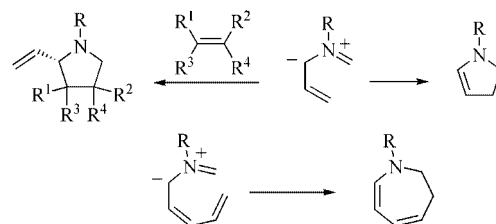
MICROREVIEW

Contents

2873 T. M. V. D. Pinho e Melo*

Conjugated Azomethine Ylides

Keywords: Vinyl azomethine ylides / Butadienyl azomethine ylides / Azafulvenium methides / Electrocyclization / 1,3-Dipolar cycloaddition / Sigmatropic shift

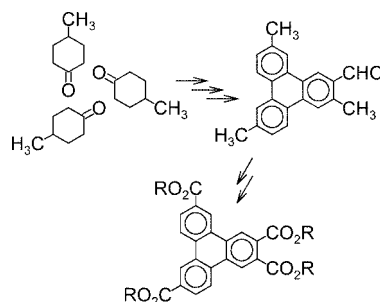


SHORT COMMUNICATION

2889 H. Bock,* M. Rajaoarivelo, S. Clavaguera, É. Grelet

An Efficient Route to Stable Room-Temperature Liquid-Crystalline Triphenylenes

Keywords: Carboxylic derivatives of polycyclic arenes / Triphenylenes / Liquid crystals / Carbonylation / Regioselectivity

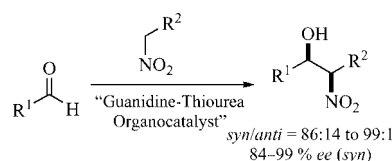


2894 Y. Sohtome, Y. Hashimoto, K. Nagasawa*



Diastereoselective and Enantioselective Henry (Nitroaldol) Reaction Utilizing a Guanidine-Thiourea Bifunctional Organocatalyst

Keywords: Organocatalysis / Bifunctional catalyst / Guanidine / Thiourea / Henry reaction

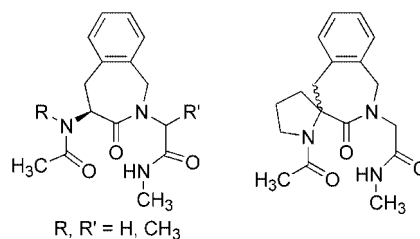


FULL PAPERS

2899 K. Van Rompaey, S. Ballet, C. Tömböly, R. De Wachter, K. Vanommeslaeghe, M. Biesemans, R. Willem, D. Tourwé*

Synthesis and Evaluation of the β -Turn Properties of 4-Amino-1,2,4,5-tetrahydro-2-benzazepin-3-ones and of Their Spirocyclic Derivative

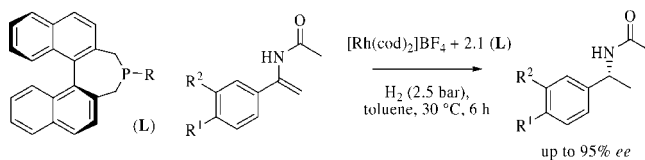
Keywords: Lactams / Asymmetric synthesis / Conformation analysis / Molecular modeling



2912 S. Enthaler, B. Hagemann, K. Junge, G. Erre, M. Beller*

Enantioselective Rhodium-Catalyzed Hydrogenation of Enamides in the Presence of Chiral Monodentate Phosphanes

Keywords: Asymmetric catalysis / Homogeneous catalysis / Hydrogenation / Monodentate phosphane ligands / Enamides

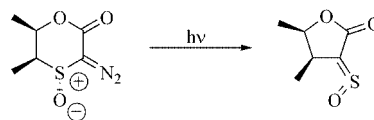


2918 O. C. M. O'Sullivan, S. G. Collins, A. R. Maguire,* M. Böhm, W. Sander*



Photochemistry of *cis*-3-Diazo-5,6-dimethyl-1,4-oxathian-2-one *S*-Oxide in Argon Matrices

Keywords: Matrix isolation / Photochemistry / Diazo compounds / Sulfines

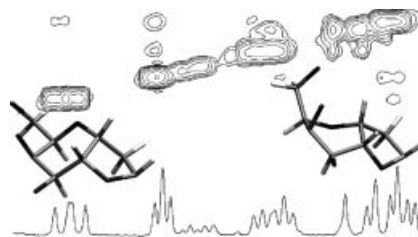


- 2925** S. Mari, F. J. Cañada, J. Jiménez-Barbero,*
A. Bernardi,* G. Marcou, I. Motto,
I. Velter, F. Nicotra,* B. La Ferla



Synthesis and Conformational Analysis of
Galactose-Derived Bicyclic Scaffolds

Keywords: NMR spectroscopy / Molecular modelling /
Carbohydrates / Carbohydrate mimics

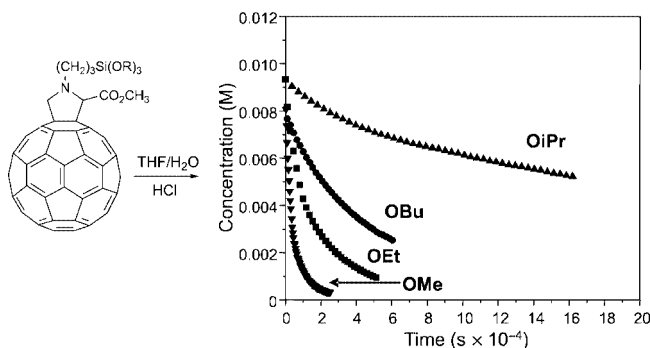


- 2934** A. Bianco, M. Maggini,* M. Nogarole,
G. Scorrano



Hydrolysis Rate of Functionalized Fullerenes
Bearing Alkoxysilanes: A Comparative Study

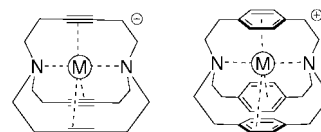
Keywords: Fullerenes / Alkoxysilanes / Sol-gel /
Fulleropyrrolidines



- 2942** A. Kunze, S. Balalaie, R. Gleiter,*
F. Rominger

π -Prismands – Flexible Hosts for Metal Ions

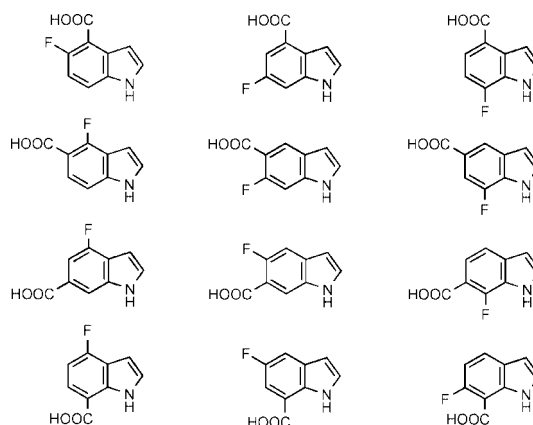
Keywords: Prismands / Cage compounds / Alkynes /
Metal complexes



- 2956** M. Schlosser,* A. Ginanneschi, F. Leroux

In Search of Simplicity and Flexibility: A Ration-
al Access to Twelve Fluorindolecarboxylic
Acids

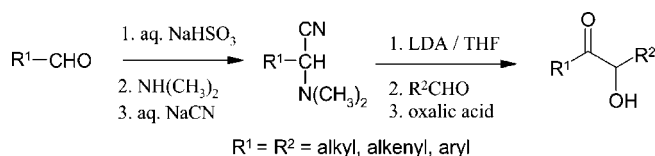
Keywords: Bartoli reaction / Leimgruber–Batcho
reaction / Wittig reaction / Metalation /
Halogen/metal permutation / Isomerization
by halogen migration / Protective groups



- 2970** V. H. Tran, R. Kantharaj, B. D. Roufogalis,
C. C. Duke*

An Efficient and Facile Synthesis of Capsaicin-
Like Compounds as Agonists of the TRPV1
Receptor

Keywords: α -Hydroxy ketone / Wittig reaction / Aldol
reactions / Capsaicin / TRPV1

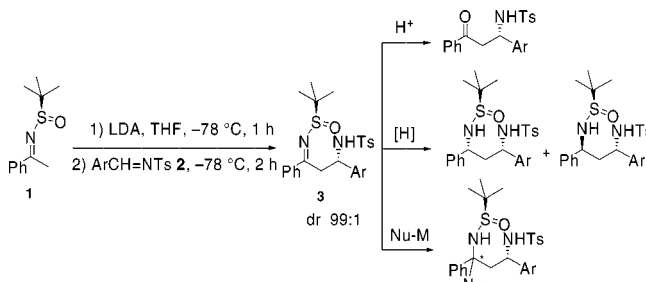


2977 C.-H. Zhao, L. Liu, D. Wang,* Y.-J. Chen*



Asymmetric Mannich-Type Reaction of a Chiral *N*-(*tert*-Butylsulfinyl) Ketimine with Imines: Application to the Synthesis of Chiral 1,3-Diamines

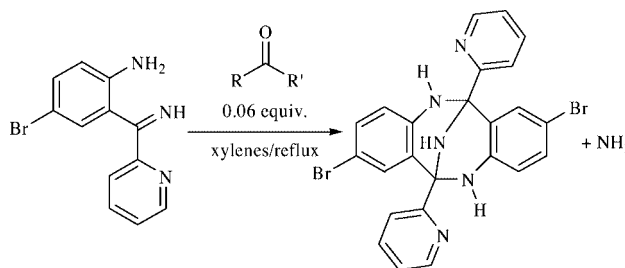
Keywords: Asymmetric Mannich reaction / *N*-(*tert*-Butylsulfinyl) ketimine / Chiral β -amino imine / Chiral β -amino ketone / Chiral 1,3-diamine



2987 A. Leganza, C. Bezze, C. Zonta,* F. Fabris, O. De Lucchi, A. Linden

Synthesis of 1,5-Substituted Iminodibenzo[*b,f*]-[1,5]diazocine, an Analogue of Tröger's Base

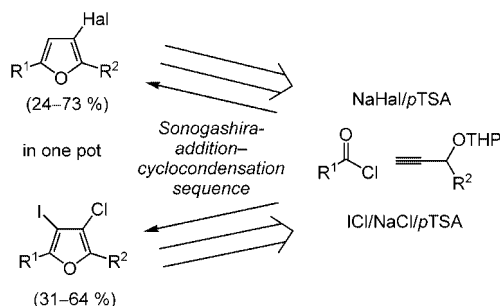
Keywords: Cyclization / Iminodibenzodiazocine / Nitrogen heterocycles / Palladium / Polycycles



2991 A. S. Karpov, E. Merkul, T. Oeser, T. J. J. Müller*

One-Pot Three-Component Synthesis of 3-Halo-furans and 3-Chloro-4-iodofurans

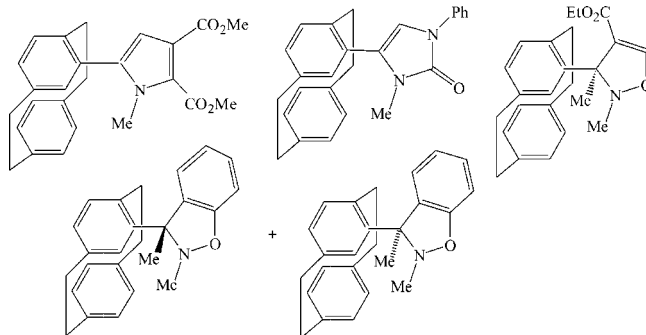
Keywords: C–C Coupling / Cyclization / Furans / Multicomponent reactions



3001 A. A. Aly, H. Hopf,* L. Ernst, I. Dix, P. G. Jones

New Cycloadditions of (*E*)-*N*, α -Dimethyl- α -(4-[2.2]paracyclophanyl)nitron

Keywords: Cyclophanes / Dipolarophiles / Michael reaction / Cycloadditions / Annellation / Ene reaction

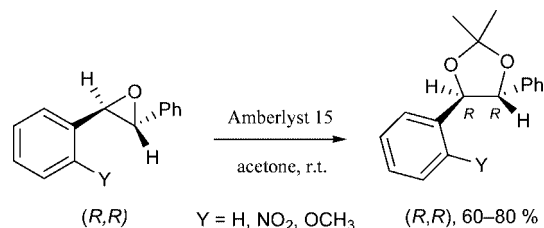


3007 A. Solladié-Cavallo, E. Choucair, M. Balaz, P. Lupattelli,* C. Bonini, N. Di Blasio



A Mild Stereo- and Enantiospecific Conversion of 2,3-Diaryl-Substituted Oxiranes into 2,2-Dimethyl-1,3-Dioxolanes by an Acetone/Amberlyst 15 System

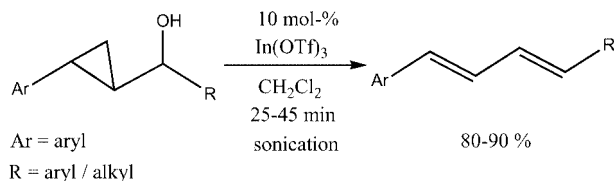
Keywords: Acetonides / Amberlyst 15 / Enantioselectivity / Oxygen heterocycles



3012 B. C. Ranu,* S. Banerjee

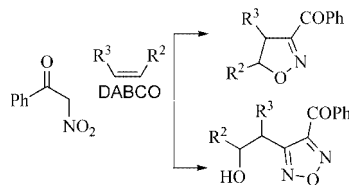
Indium Triflate Catalyzed Rearrangement of Aryl-Substituted Cyclopropyl Carbinols to 1,4-Disubstituted 1,3-Butadienes

Keywords: Carbinols / Homogeneous catalysis / Indium / Rearrangement / Sonication

**3016 L. Cecchi, F. De Sarlo,* C. Faggi, F. Machetti***

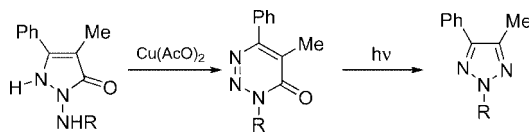
1,2,5-Oxadiazole (Furazan) Derivatives from Benzoylnitromethane and Dipolarophiles in the Presence of DABCO: Structure and Intermediates

Keywords: Cycloaddition / DABCO / Heterocycles / Nitro compounds / Rearrangement

**3021 A. M. Celli, S. Ferrini, F. Ponticelli***

Monocyclic 1,2,3-Triazin-4(3*H*)-ones: Synthesis, Structure and Photochemical Behaviour

Keywords: Nitrogen heterocycles / Oxidation / Photochemistry / Rearrangements



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