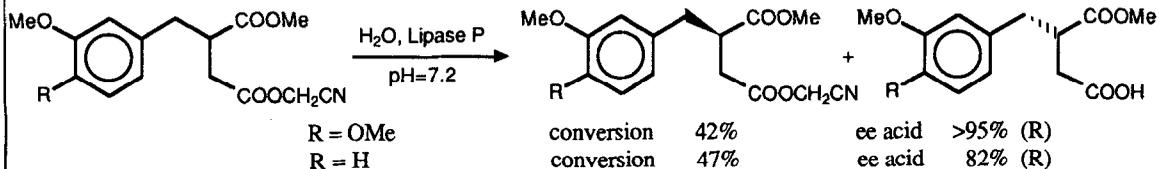


Tetrahedron, 45, 5051 (1989)

PREPARATION OF (R)-VERATRYL- AND (R)-(3-METHOXYBENZYL)SUCCINATES

Jean-Pierre Barnier, Luis Blanco, Eryka Guibé-Jampel and Gérard Rousseau

Laboratoire des Carbocycles, I.C.M.O., Bât. 420, Université de Paris-Sud, 91405 Orsay (France)

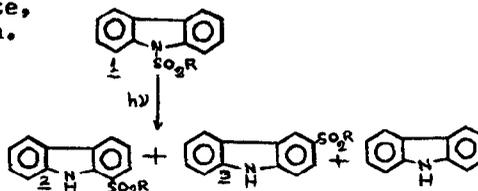


Tetrahedron, 45, 5059 (1989)

PHOTO-FRIES REARRANGEMENTS IN N-SULPHONYL-CARBAZOLES

Amit Chakrabarti, Goutam K. Biswas and D.P. Chakraborty*
 Department of Chemistry, Bose Institute,
 93/1, A.P.C. Road, Calcutta-700009, India.

Photo-Fries rearrangements of N-sulphonylcarbazoles 1(a-c) into 1-sulphonyl, 2(a-c) and 3-sulphonyl, 3(a-c) carbazoles, respectively, have been investigated.



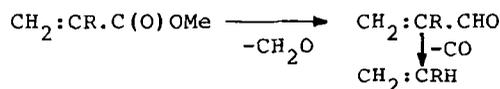
Tetrahedron, 45, 5065 (1989)

LASER POWERED HOMOGENEOUS DECOMPOSITION OF METHYL ACRYLATE AND METHACRYLATE

Josef Pola

Institute of Chemical Process Fundamentals, Czechoslovak Academy of Sciences, 165 02 Prague, Czechoslovakia

The decomposition is dominated by acyl-oxygen cleavage and has radical-chain mechanism.



Tetrahedron 45, 5073 (1989)

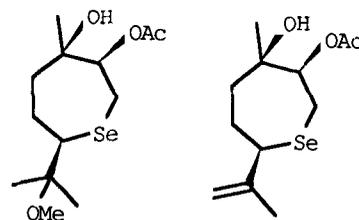
REACTION OF SeO₂ WITH DIENES: 1. LINALYL ACETATE

A. San Feliciano*, M. Medarde, J. L. López, J. A. P. Pereira, E. Caballero and A. Perales†.

Department of Organic Chemistry. Faculty of Pharmacy. 37007. Salamanca. Spain.

*Institute Rocasolano. CSIC.Serrano, 119. 28006 Madrid

The reaction of SeO₂ with linalyl acetate in alcoholic media affords some Se-containing substances. An explanation for their formation is presented.

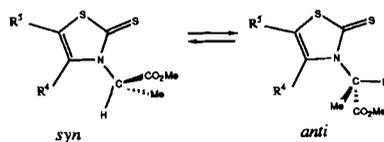


Tetrahedron, 45, 5081 (1989)

CONFORMATIONAL ANALYSIS OF N-(1-METHOXYCARBONYLETHYL)- Δ^4 -THIAZOLINE-2-THIONES BY TEMPERATURE-DEPENDENT CIRCULAR DICHROISM AND NMR SPECTROSCOPY AND BY MOLECULAR MECHANICS CALCULATIONS

Jan Roschester and Jan Sandström*
Division of Organic Chemistry 3, Chemical Center, P.O. Box 124, S-221 00 Lund, Sweden

The conformational equilibria in seven N-(1-methoxycarbonylethyl)-thiazoline-2-thiones are studied by temperature-dependent ^1H NMR and CD spectra and by semiempirical calculations.

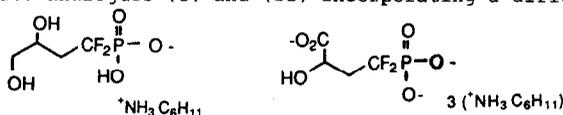


Tetrahedron, 45, 5101 (1989)

THE PREPARATION OF DIFLUOROMETHYLENEPHOSPHONATE ANALOGUES OF GLYCOLYTIC PHOSPHATES. APPROACHING AN ISOSTERIC AND ISOELECTRONIC PHOSPHATE MIMIC.

R.D. Chambers, R. Jaouhari and D. O'Hagan
Department of Chemistry, University of Durham, Durham, DH1 3LE.

The synthesis of glycolytic phosphate analogues (I) and (II) incorporating a difluoromethylenephosphonate moiety.

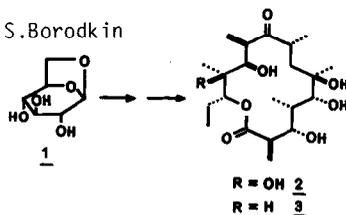


Tetrahedron, 45, 5109 (1989)

STEREO-CONTROLLED SYNTHESIS OF ERYTHRONOLIDES A AND B FROM 1,6-ANHYDRO- β -D-GLUCOPYRANOSE (LEVOGLUCOSAN).

SKELETON ASSEMBLY IN $(C_9-C_{13})+(C_7-C_8)+(C_7-C_6)$ SEQUENCE.
N.K.Kochetkov, A.F.Sviridov,¹³ M.S.Ermolenko,¹⁶ V.Yashunsky, and V.S.Borodkin
N.D.Zelinsky Inst.of Org.Chem., Acad.of Sciences of the USSR, Moscow, USSR

Stereospecific syntheses of erythronolides A(2) and B(3) have been accomplished starting from levoglucosan(1) in a uniform synthetic sequence.

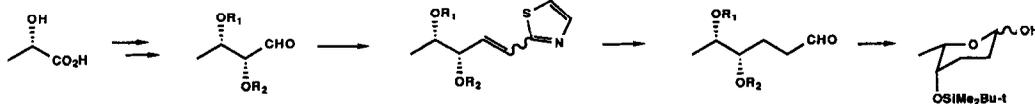


Tetrahedron, 45, 5141 (1989)

A CONCISE THIAZOLE MEDIATED SYNTHESIS OF L-(-)-RHODINOSE FROM (S)-ETHYL LACTATE. THE THIAZOLE ROUTE TO DEOXY SugARS.

A. Dondoni*, G. Fantin, M. Fogagnolo, and P. Pedrini
Dipartimento di Chimica, Laboratorio di Chimica Organica, Università, Ferrara, Italy

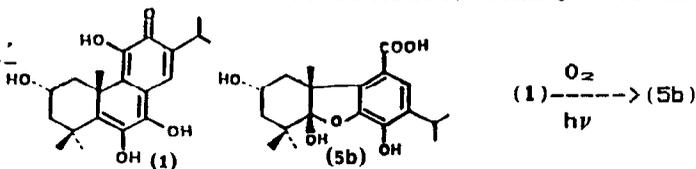
A synthesis of L-(-)-Rhodnose from ethyl lactate via sequential one- and two-carbon chain elongation with thiazole derivatives.



NEW DITERPENES FROM SALVIA TEXANA. CHEMICAL AND BIOGENETIC ASPECTS

Antonio G. González, Zahira E. Aguiar, Javier G. Luis and Angel G. Ravelo
C.P.N.O. Antonio González, Univ. La Laguna, 38206 Tenerife, Canary Islands

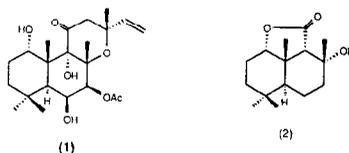
Two new diterpenes, **1** and **5b**, were characterized. The trans-formation of **1** into **5b** points to **1** being an intermediate in the biogenesis of **5b**.



A NEW SYNTHETIC ROUTE TO (+)-FORSKOLIN

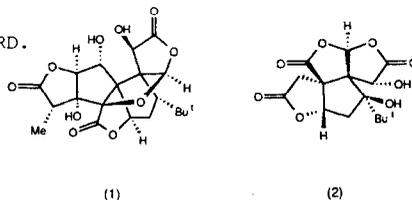
Michael J. Begley, David R. Cheshire, Timothy Harrison, John Hutchinson, Peter L. Myers and Gerald Pattenden.*
Department of Chemistry, The University, Nottingham, NG7 2RD.

A new synthetic route to forskolin (**1**), which features intramolecular radical-cyclisation in tandem with intramolecular Mukaiyama aldolisation to elaborate the key functionalised trans-decalin intermediate (**2**), is described.



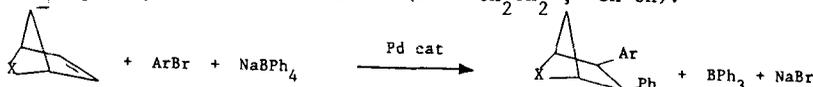
RADICAL CYCLISATIONS ONTO 2(5H)-FURANONE AND MALEATE ELECTROPHORES. AN APPROACH TO THE SPIRO- AND LINEAR-FUSED γ -LACTONE RING SYSTEMS FOUND IN THE GINKGOLIDES
Timothy Harrison, Gerald Pattenden,* and Peter L. Myers
Department of Chemistry, The University Nottingham, NG7 2RD.

Radical cyclisations allow facile synthesis of spiro- and linear-fused γ -lactone ring systems found in the ginkgolides (**1**).

A NEW PALLADIUM CATALYZED SYNTHESIS OF CIS, EXO-2,3-DIARYLSUBSTITUTED BICYCLO[2.2.1]HEPTANES OR BICYCLO[2.2.1]HEPT-2-ENES

Marta Catellani, Gian Paolo Chiusoli and Stefano Concarì
Istituto di Chimica Organica dell'Università, Viale delle Scienze, I-43100 Parma, Italy

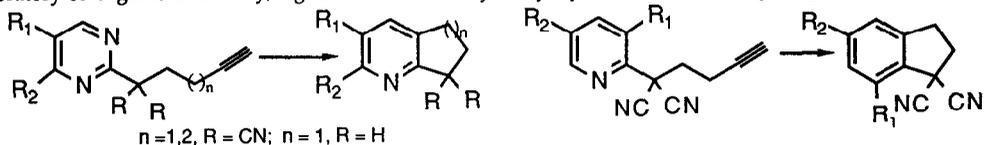
A Pd-catalyzed cis, exo bis-arylation of adjacent carbon atoms in bicyclo[2.2.1]hept-2-ene or bicyclo[2.2.1]hepta-2,5-diene is described (X = $-\text{CH}_2\text{CH}_2-$, $-\text{CH}=\text{CH}$).



Tetrahedron, 45, 5151 (1989)

INTRAMOLECULAR DIELS-ALDER REACTIONS OF 2-(ALKYNYL)-PYRIMIDINES AND 2-(ALKYNYL)PYRIDINES

A.E. Frissen, A.T.M. Marcelis, G. Geurtsen, D.A. de Bie and H.C. van der Plas,
Laboratory of Organic Chemistry, Agricultural University, Dreyenplein 8, 6703 HB Wageningen, The Netherlands



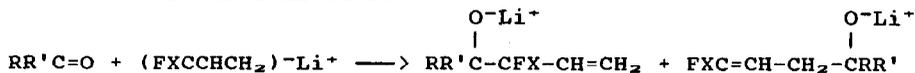
Intramolecular Diels-Alder reactions of pyrimidines and pyridines carrying an ω -alkynyl side-chain are described. The influence of electronic and steric effects on the rate of above cyclization reactions is discussed.

Tetrahedron, 45, 5163 (1989)

AN AB INITIO THEORETICAL STUDY OF THE STRUCTURE AND STABILITY OF 1-FLUORO-PROPENIDE AND 1,1-DIFLUOROPROPENIDE AND OF THE CORRESPONDING MONOMERIC LITHIATED SPECIES.

Glauco Tonachini and Carlo Canepa, Istituto di Chimica Organica, Università di Torino, via Pietro Giuria 7, I-10125 Torino, Italy.

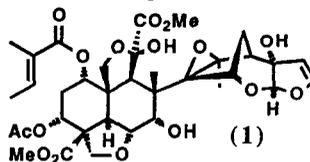
The electron distribution and HOMO polarization are responsible for the α selectivity shown by 1,1-difluoroallyllithium ($X=\text{F}$) toward both *hard* and *soft* electrophiles; 1-fluoroallyllithium ($X=\text{H}$) is predicted to show a less pronounced preference for the same site.

Tetrahedron, 45, 5175 (1989)

INSECT ANTIFEEDANTS FROM AZADIRACHTA INDICA (PART 5): CHEMICAL MODIFICATION AND STRUCTURE ACTIVITY RELATIONSHIPS OF AZADIRACHTIN AND SOME RELATED LIMONOIDS.

Steven V. Ley,* James C. Anderson, Wally M. Blaney, Phillip S. Jones, Zev Lidert, E. David Morgan, Nicholas G. Robinson, Dinos Santafianos, Monique S. J. Simmonds and Peter L. Toogood.

Chemical modifications of azadirachtin (**1**) and related limonoids have been performed and the products assessed as antifeedants. General comments are made regarding the structural dependency of the antifeedant effect.

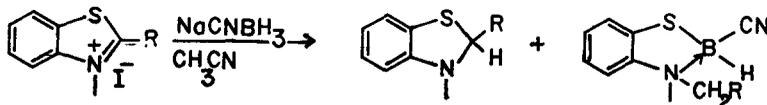
Tetrahedron, 45, 5193 (1989)

REACTIONS OF SODIUM CYANOBOROHYDRIDE WITH BENZOTHAZOLIUM AND Δ^2 -THIAZOLIUM CATIONS. FORMATION OF BENZOTHAZOLINES, THIAZOLIDINES AND STABLE THIAZABOROLLES.

Harjit Singh*, (in part) Rakesh Sarin, Kamaljit Singh, Rosalinda Contreras† and Guillermo Uribe

*Department of Chemistry, Guru Nanak Dev University, Amritsar - 143005, India

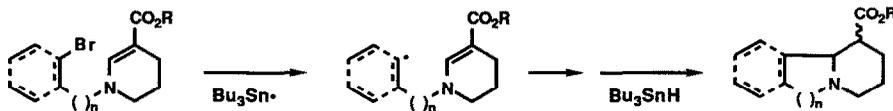
†Centro de Investigacion y de Estudios Avanzados del I.P.N. Department de Quimica, 07000 - Mexico, D.F.



The Synthesis of Indolizidine and Quinolizidine Ring Systems by Free Radical Cyclization of 4-Aza-6-methoxycarbonyl-5-hexenyl Radicals

Athelstan L.J. Beckwith and Steven W. Westwood
Research School of Chemistry, Australian National University
Canberra, A.C.T. 2601, Australia

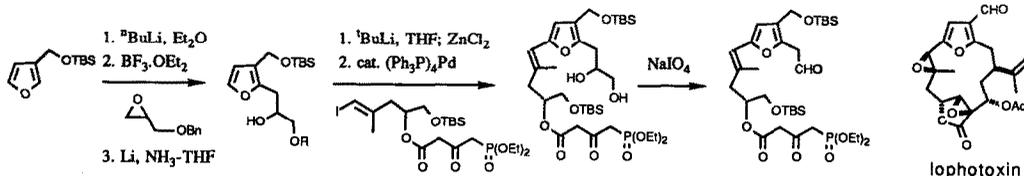
Some mechanistic aspects and the synthetic potential of this cyclization are presented.



STUDIES IN MARINE CEMBRANOLIDE SYNTHESIS:

A SYNTHESIS OF 2,3,5-TRISUBSTITUTED FURAN INTERMEDIATES FOR LOPHOTOXIN AND PUKALIDE.

Ian Paterson,* Mark Gardner, University Chemical Laboratory, Lensfield Rd, Cambridge CB2 1EW, UK,
and Bernard J. Banks, Pfizer Central Research, Sandwich, Kent CT13 9NJ, UK.



CATALYSIS BY ALKALI AND ALKALINE-EARTH METAL IONS IN NUCLEOPHILIC ATTACK OF METHOXIDE ION ON CROWN ETHERS BEARING AN INTRA-ANNULAR ACETOXY GROUP

R. Cacciapaglia, S. Lucente, and L. Mandolini*
Università La Sapienza Roma, Italy

A.R. van Doorn, D.N. Reinhoudt,* and W. Verboom
University of Twente, Enschede, The Netherlands

Rates of reactions of methoxide ion with crown ethers bearing an intra-annular acetoxy group are markedly enhanced by alkali and alkaline-earth metal bromides as a result of much stronger interactions of the metal ion with transition state than with reactants.

