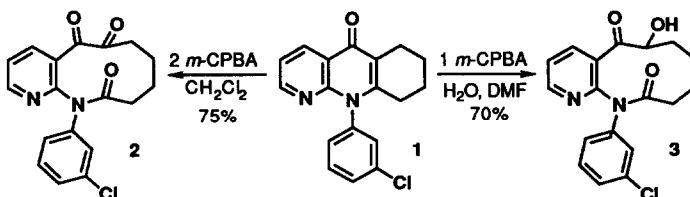


Tetrahedron, 1991, 47, 9981

Oxidative Cleavage of a Tricyclic Pyridone to a Bicyclic Lactam-dione

Richard J. Friary* and John H. Schwerdt
Schering-Plough Research, Schering-Plough Corp.
60 Orange Street, Bloomfield, NJ 07003, U. S. A.

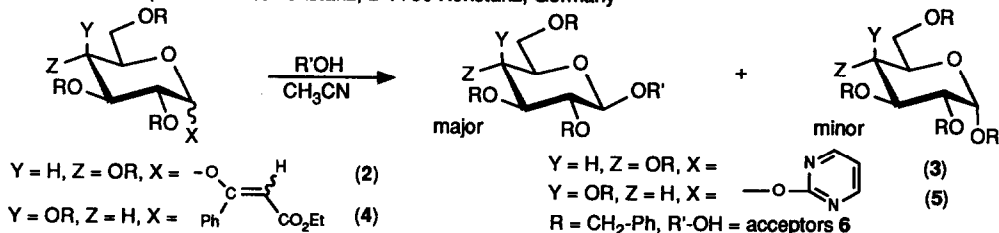
Two equivalents of *m*-chloroperbenzoic acid in dry dichloromethane cleaves the pyridone ring of 1, forming lactam α -diketone 2. With one equivalent of peracid in aqueous dimethylformamide, the product is lactam α -ketol 3.



SYNTHESIS OF β -O-GLYCOSIDES USING ENOL ETHER AND IMIDATE DERIVED LEAVING GROUPS. EMPHASIS ON THE USE OF NITRILE AS A SOLVENT

Tetrahedron, 1991, 47, 9985

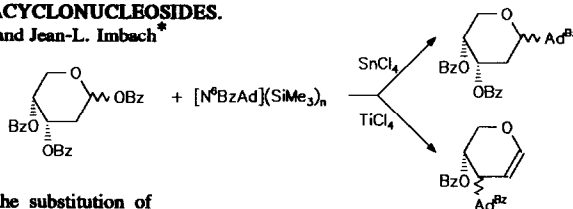
Y.D. Vankar, P.S. Vankar, M. Behrendt and R.R. Schmidt*
Fakultaet Chemie, Universitaet Konstanz, D-7750 Konstanz, Germany



SnCl₄ VERSUS TiCl₄-MEDIATED COUPLING BETWEEN N-6-BENZOYLADENINE AND PERBENZOYLATED 2-DEOXYRIBOPYRANOSE: APPLICATION TO THE SYNTHESIS OF CERTAIN HOMOCHIRAL ACYCLO AND CARBOCYCLONUCLEOSIDES.

Tetrahedron, 1991, 47, 9993

Marie-V. Baud, Claude Chavis, Marc Lucas and Jean-L. Imbach*
Universit  de Montpellier II, Sciences et Techniques du Languedoc, Laboratoire de Chimie Bio-Organique, case 008, 34095 Montpellier Cedex 5 (France).

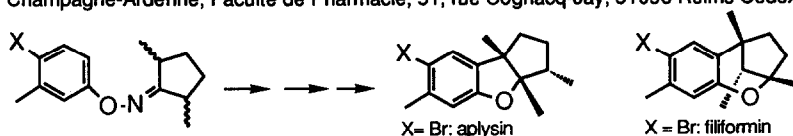


TiCl₄ and SnCl₄ mediate regioselectively the substitution of N-6-benzoyladenine on perbenzoylated 2-deoxyribose. 3'-Adenyglycals are obtained with TiCl₄ while nucleosides are formed with SnCl₄.

The Rearrangement of some Cyclopentanone-Aryloximes : Synthesis of (±)-Aplysin, (±)-Filiformin and of their Debromo Analogues.

Tetrahedron, 1991, 47, 10003

J.Yves Laronze*, Rachida El Boukili, Dominique Patigny, Seloua Dridi, Dominique Cartier and Jean Lévy.
Laboratoire de Transformations et Synthèse de Substances Naturelles, associé au CNRS, Université de Reims-Champagne-Ardenne, Faculté de Pharmacie, 51, rue Cognacq-Jay, 51096 Reims Cédex, France.



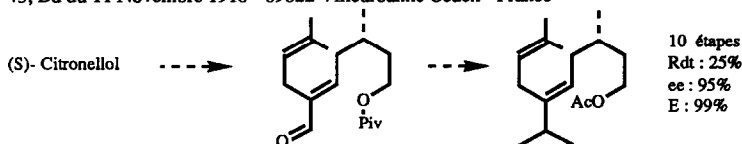
Tetrahedron, 1991, 47, 10015

SYNTHÈSE STÉRÉOSÉLECTIVE DE LA PHÉROMONE SEXUELLE

D'AONIDIELLA CITRINA : LE (3S,5E)-(-)-3,9-DIMÉTHYLE-6-ISOPROPYLE DÉCA-5,8-DIENE-1-YLE ACÉTATE

René Baudouy et Marie-Rose Sancho

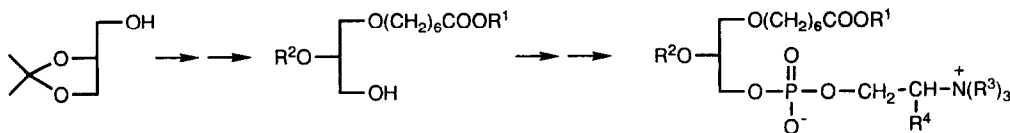
Laboratoire de Synthèse Organique Appliquée et Laboratoire de Chimie Organique I - Université Claude Bernard Lyon I - ESCIL - 43, Bd du 11 Novembre 1918 - 69622 Villeurbanne Cédex - France



SYNTHESIS OF NEW ETHER GLYCEROPHOSPHOLIPIDS STRUCTURALLY RELATED TO MODULATOR

Tetrahedron, 1991, 47, 10023

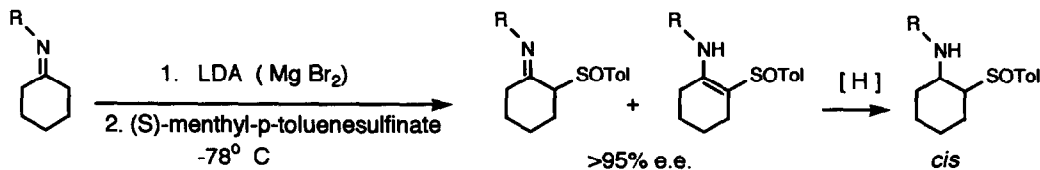
M. L. García*, J. Pascual, L. Borràs, J. A. Andreu, E. Fos, D. Mauleón, G. Carganico and F. Arcamone#
Laboratorios Menarini S.A., Alfonso XII, 587, Badalona, Spain. #Menarini Ricerche Sud, Tito Speri, 10, Pomezia, Italy.



Synthesis and Hydride Reductions of Chiral Cyclic β -Iminosulfonides.

M. Carmen Carreño, Esteban Domínguez, José L. García Ruano,*
 Concepción Pedregal and Jesús H. Rodríguez.

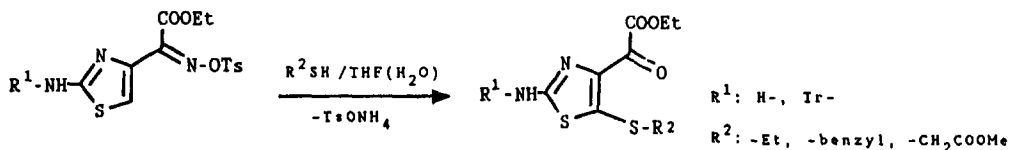
Dpto. de Química, Facultad de Ciencias, Universidad Autónoma. Cantoblanco. 28049-Madrid, SPAIN.

**Reaction of Aminothiazole-oximetosylates with Thiols**

Béla Rezessy,* Lajos Toldy, Gyula Horváth, Pál Sohár^o

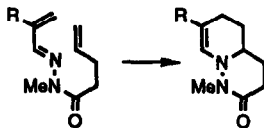
Institute for Drug Research, H-1325 Budapest, POB 82, Hungary

^oEGIS Pharmaceuticals, Spectroscopic Department, H-1475 Budapest POB 100, Hungary

**INTRAMOLECULAR AND INTERMOLECULAR
 DIELS-ALDER REACTIONS OF ACYLHYDRAZONES
 DERIVED FROM METHACROLEIN AND ETHYLACROLEIN**

Sylvia J. Alcock, Thomas L. Gilchrist and Stephen J. Shuttleworth, Chemistry Department, University of Liverpool, Liverpool L69 3BX
 Frank D. King, SmithKline Beecham Pharmaceuticals, Medicinal Research Centre, The Pinnacles, Harlow CM19 5AD, U.K.

Intramolecular Diels-Alder reactions of the type illustrated have been achieved using terminally unsaturated acylhydrazones of methacrolein and ethylacrolein.

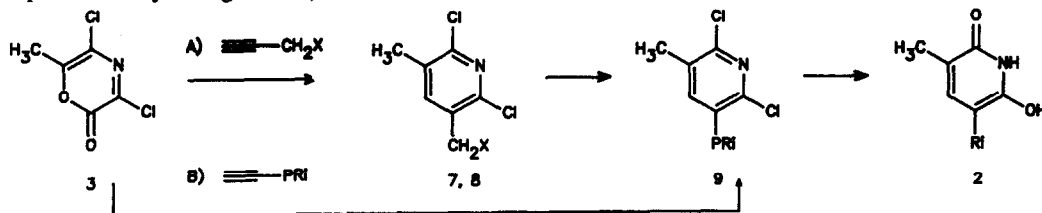


These acylhydrazones, and also some others, undergo intermolecular cycloaddition to *N*-phenylmaleimide.

An Approach to Acyclo-1-Deazathymidine C-Nucleosides via 3,5-Dichloro-6-Methyl-2H-1,4-Oxazin-2-one

Tetrahedron, 1991, 47, 10065

Lieven Meerpoel, Suzanne M. Toppet, Frans Compennolle and Georges J. Hoornaert*. Laboratorium voor Organische Synthese K.U.Leuven, Celestijnenlaan 200-F, B-3001 Leuven, Belgium
Diels-Alder reaction of oxazinone 3 with A) $\text{HC}\equiv\text{CCH}_2\text{X}$ (X=Br, OTHP) or B) $\text{HC}\equiv\text{CPri}$ affords precursors 7 and 8 or 9, which are elaborated to the title compounds 2 (Pri and Ri = protected and deprotected acyclo sugar units).

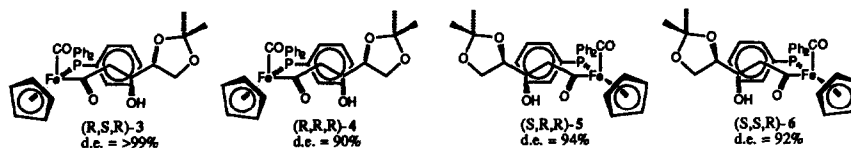


A Study of the Aldol Reaction between Enolates Derived from the Iron Acetyl Complex $[(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})(\text{PPh}_3)\text{COCH}_3]$ and 2,3-O-Isopropylidene-D-glyceraldehyde

Tetrahedron, 1991, 47, 10077

Graham J. Bodwell, Stephen G. Davies* and Andrew A. Mortlock
The Dyson Perrins Laboratory, South Parks Road, Oxford, OX1 3QY, U.K.

All four diastereomers of the β -hydroxy acyl complex resulting from the aldol reaction between enolates derived from the iron acetyl complex $(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})(\text{PPh}_3)\text{COCH}_3$ and the homochiral aldehyde 2,3-O-isopropylidene-D-glyceraldehyde have been prepared in high diastereoisomeric excess by varying the enantiomer of the chiral auxiliary and the counterion of the enolate.

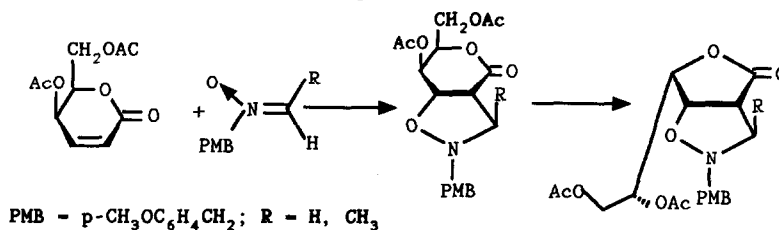


Tetrahedron, 1991, 47, 10087

1,3-DIPOLAR CYCLOADDITION OF NITRONES TO SUGAR ENLACTONES

Irma Panfil, Czesław Bełżeczki, Zofia Urbańczyk-Lipkowska, and Marek Chmielewski*
Institute of Organic Chemistry, Polish Academy of Sciences, 01-224 Warsaw, Poland

1,3-Dipolar cycloaddition of nitrones to sugar enlactones is described.

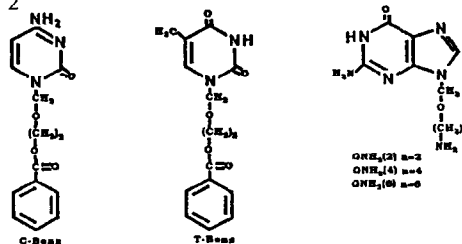


Selective Intracomplex Reaction of Pendant Groups in a Purine Pyrimidines Base Pair.

Salim Hadad, Bernard S. Green, Jehoshua Katzhendler*

Department of Pharmaceutical Chemistry, School of Pharmacy,
The Hebrew University of Jerusalem 91120, ISRAEL.

Association between guanine (G-NH₂) derivatives and cytosine benzoate ester (C-Benz) exhibit enhanced intracomplex reactions. The reaction rates depends on the chain length of G-NH₂. The best spatial orientation of G-NH₂ is achieved when n=4.



THE STRUCTURE OF LAUROBTUSOL, A NEW REARRANGED SESQUITERPENOID FROM THE MEDITERRANEAN RED ALGA *LAURENCIA OBTUSA*

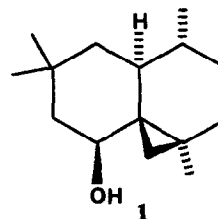
Salvatore Caccamese^a, Vincenzo Amico^a, Placido Neri^b and Mario Foti^b

^aDipartimento di Scienze Chimiche, Università Catania, Italy

^bIstituto C.N.R. Sostanze Naturali, Catania, Italy

The new tricyclic humulane derivative laurobtusol (1) was isolated from the red alga *Laurencia obtusa*.

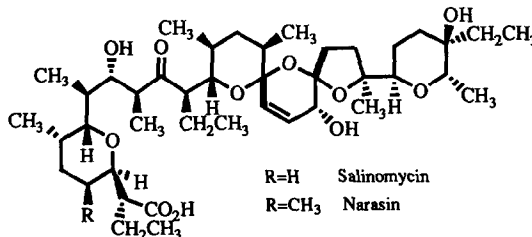
The structure was established mainly by 2D NMR methods and the relative configuration was assigned by a quantitative computer simulation of the lanthanide induced shifts in the ¹H NMR spectrum and Molecular Mechanics Calculation (MM2).



THE COMPLETE ASSIGNMENT OF THE ¹H AND ¹³C NMR SPECTRA OF THE ALKALI METAL SALTS OF SALINOMYCIN AND NARASIN

Frank G Riddell and Stephen J. Tompsett, Department of Chemistry, The University of St Andrews, St Andrews KY16 9ST, Scotland.

The preparation of and the assignments of the ¹H and ¹³C nmr spectra of the alkali metal salts of salinomycin and narasin is described.

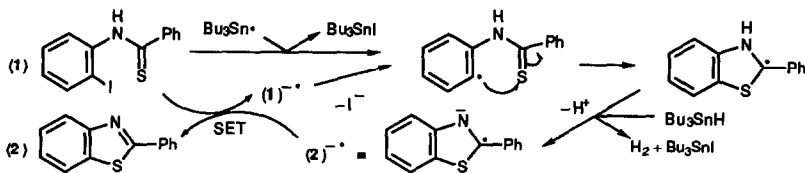


OXIDATION DURING REDUCTIVE CYCLISATIONS USING Bu_3SnH

W. Russell Bowman*, Harry Heaney*, and Benjamin M. Jordan

Department of Chemistry, University of Technology, Loughborough, Leics. LE11 3TU, Great Britain

Reductive cyclisations using Bu_3SnH include an "oxidation" step if the removal of an acidic proton from the intermediate cyclised radical, by Bu_3SnH acting as a base, is favourable. A "pseudo $\text{S}_{\text{RN}}1$ " mechanism is proposed, e.g

SOME CHEMICAL TRANSFORMATIONS OF THE
NEO-CLERODANE DITERPENE TEUBOTRIN

P. Y. Malakov, M. C. de la Torre, B. Rodríguez* and G. Y. Papanov; Instituto de Química Orgánica, CSIC, Madrid, Spain, and Department of Organic Chemistry, University of Plovdiv, Bulgaria

The title compound (1) was transformed, among other substances, into the derivatives 5-7, 9 and teuscordinon (12), a naturally occurring diterpenoid.

