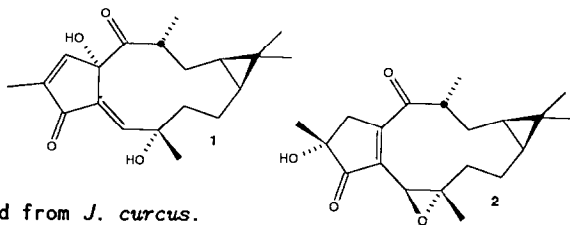


GRAPHICAL ABSTRACTS

ISOLATION AND STRUCTURE DETERMINATION OF TWO NOVEL LATHYRANES FROM *JATROPHA CURCUS*

Tetrahedron Lett. 27, 5675 (1986)

W. Naengchomnong and Y. Thebtaranonth*
 Dept. of Chemistry, Faculty of Science,
 Mahidol U., Bangkok 10400, THAILAND
 P. Wiriyachitra, Dept. of Chemistry,
 Prince of Songkla U., Haad Yai, THAILAND
 K.T. Okamoto and J. Clardy*
 Dept. of Chemistry, Baker Laboratory,
 Cornell U., Ithaca, NY 14853-1301 USA

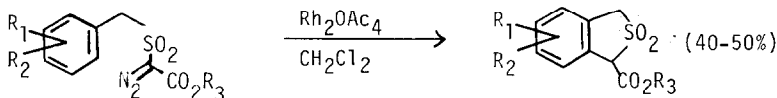


Lathyrane A (1) and B (2) have been isolated from *J. curcus*.

INTRAMOLECULAR RHODIUM CARBENOID INSERTIONS INTO AROMATIC C-H BONDS. PREPARATION OF 1-CARBOALKOXY-1,3-DIHYDROBENZO[b]THIOPHENE 2,2-DIOXIDES.

Tetrahedron Lett. 27, 5679 (1986)

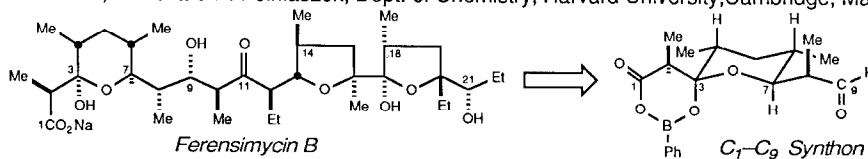
Michael Hrytsak, Nola Etkin, and Tony Durst*
 Ottawa Carleton Chemistry Institute, Department of Chemistry, University of Ottawa,
 Ottawa, Ontario, CANADA. K1N 6N5
 Rhodium acetate catalyzed decomposition of various α -diazo- β -phenylmethane sulfonyl esters resulted in the formation of the title compounds in modest yields.



STUDIES DIRECTED TOWARD THE SYNTHESIS OF LYSOCELLIN CLASS POLYETHER CLASS ANTIBIOTICS. THE ASYMMETRIC SYNTHESIS OF THE C₁-C₉ FERENSIMYCIN SYNTHON

Tetrahedron Lett. 27, 5683 (1986)

David A. Evans, * Richard P. Polniaszek, Dept. of Chemistry, Harvard University, Cambridge, Mass. 02138 USA

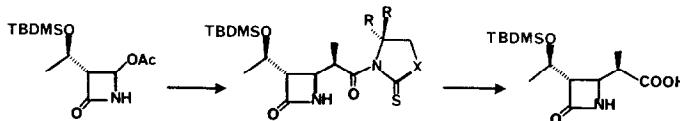


The asymmetric synthesis of the C₁-C₉ ferensimycin synthon exploiting chiral enolate methodology is described.

SIMPLE AND HIGHLY DIASTERESELECTIVE SYNTHESIS OF A 1 β -METHYLCARBAPENEM KEY INTERMEDIATE INVOLVING DIVALENT TIN ENOLATES.

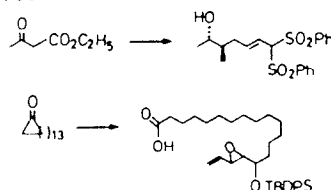
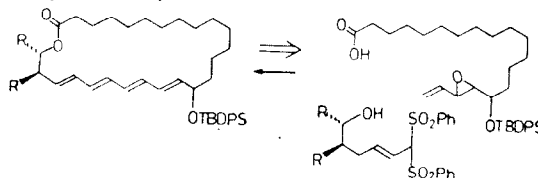
Tetrahedron Lett. 27, 5687 (1986)

Robert Déziel* and Denis Favreau
 Chemical Process Development, Bristol-Myers Pharmaceutical Research
 and Development Division, Candiatic, Quebec Canada J5R 1J1



A SYNTHETIC APPROACH TO POLYENE MACROLIDES,
SYNTHESIS OF THE BUILDING BLOCKSBarry M. Trost*, Jeffrey T. Hane, and Peter Metz
Department of Chemistry, University of Wisconsin, Madison, WI 53706

An asymmetric synthesis of the building blocks for polyene macrolides from ethyl acetoacetate and cyclopentadecanone.

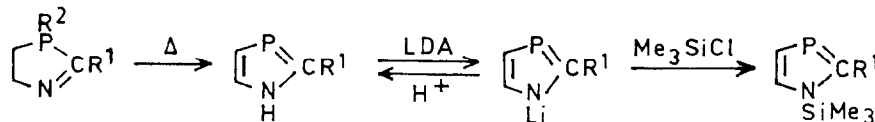
A SYNTHETIC APPROACH TO POLYENE MACROLIDES. MACROLIDE
AND POLYENE GENERATIONBarry M. Trost*, Jeffrey T. Hane, and Peter Metz
Department of Chemistry, University of Wisconsin, Madison, Wisconsin 53706A novel palladium catalyst facilitates
macrocyclization and effects a double
elimination to a tetraene macrolide.

1H-1,3-AZAPHOSPHOLE - NEUE PHOSPHAAROMATEN

J. Heinicke

Sektion Chemie der Martin-Luther-Universität Halle, DDR-4050 Halle (S.)

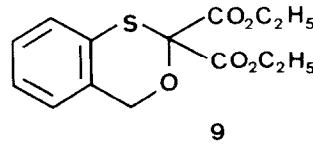
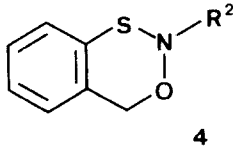
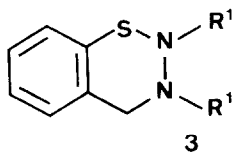
1H-1,3-Azaphospholes are synthesized by pyrolysis of 1,3-azaphospholines-1. Their properties, N-metallation, n.m.r. and u.v. data are described.

CYCLOADDITION REACTIONS OF BENZOTHIETE AND HETERO
DIENOPHILES FOR THE SYNTHESIS OF HETEROCYCLIC SYSTEMS

Dominic Jacob, Hans-Peter Niedermann and Herbert Meier*

Insitut für Organische Chemie der Universität Mainz, J.-J. Becherweg 18 - 22, D-6500 Mainz 1

Cycloaddition reactions of benzothiete with dienophiles containing a NN-, NO- or CO-double bond lead in good yields to novel or scarcely known heterocyclic systems.

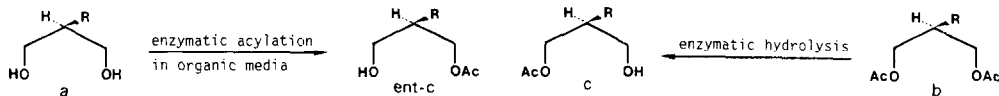


SYNTHESIS OF BOTH ENANTIOMERIC FORMS OF 2-SUBSTITUTED 1,3-PROPANEDIOL MONOACETATES STARTING FROM A COMMON CHIRAL PRECURSOR, USING ENZYMIC TRANSFORMATIONS IN AQUEOUS AND IN ORGANIC MEDIA

Tetrahedron Lett. 27, 5707 (1986)

G. M. Ramos Tombo*, H.-P. Schär, X. Fernández i Busquets and O. Ghisalba
Central Research Laboratories of CIBA-GEIGY AG., Postfach CH-4002 Basel, Switzerland.

A direct entry to both enantiomeric forms c and ent-c, based on enzyme catalyzed transformations of prochiral compounds of type a and b is described. The catalysts used are carboxyl esterase preparations obtained from crude porcine pancreas lipase.

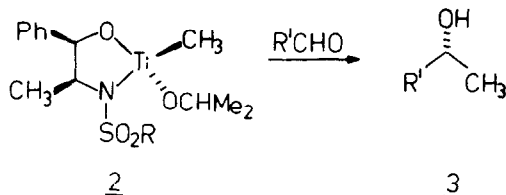


ENANTIOSELECTIVE ADDITION OF CHIRALLY MODIFIED METHYL-TITANIUM REAGENTS TO AROMATIC ALDEHYDES

Tetrahedron Lett. 27, 5711 (1986)

M.T. Reetz*, T. Kükenhöhnner and P. Weinig
Fachbereich Chemie der Universität,
Hans-Meerwein-Straße, 3550 Marburg, FRG

The oligomeric form of 2 reacts enantioselectively with aromatic aldehydes to form 3 having ee ~ 90%.

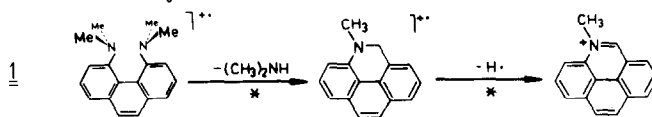


INTRAMOLECULAR CYCLISATION OF 'PROTON SPONGES' UNDER ELECTRON IMPACT

Tetrahedron Lett. 27, 5715 (1986)

M. Rentzea, T. Saupe and H. A. Staab
Abt. Organische Chemie, Max-Planck-Institut, D-6900 Heidelberg

Crowded bis(dimethylamino)arenes show specific proximity effects in mass spectra: 1 by hydrogen migration, intramolecular cyclisation and aromatisation forms N-methyl thebenidinium ion.

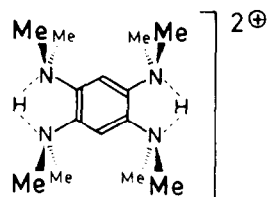


PROTONATION OF 1,2,4,5-TETRAKIS(DIMETHYLAMINO)BENZENE

Tetrahedron Lett. 27, 5719 (1986)

H. A. Staab, K. Elbl and C. Krieger
Abt. Organische Chemie, Max-Planck-Institut,
D-6900 Heidelberg

Protonation of 1,2,4,5-tetrakis(dimethylamino)benzene yields only the diprotonated dication the molecular structure of which is discussed on the basis of X-ray structure analysis.

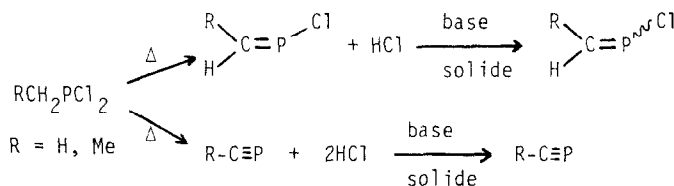


UNHINDERED PHOSPHAALKENES AND PHOSPHAALKYNES IN STABLE
CONDITION FROM A VACUUM MULTISTEP SEQUENCE.

Tetrahedron Lett., 27, 5723 (1986)

Bruno PELLERIN, Jean-Marc DENIS,[†] Jacques PERROCHEAU and Robert CARRIE,
Université de Rennes I, Campus de Beaulieu, 35042 Rennes Cedex, France.

Unsaturated reactive phosphines
are obtained in stable condition
using a vacuum multistep sequence
(FVT/GSR) and fully characterized
by ¹H, ¹³C and ³¹P NMR spectro-
scopy.

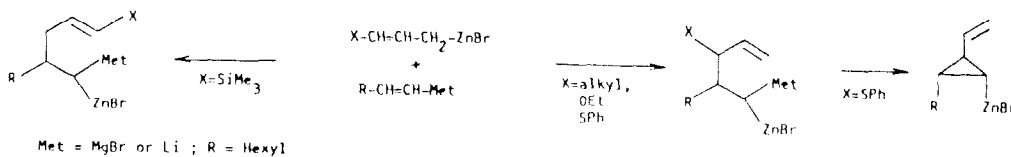


DIASTEREOSELECTIVE ADDITION OF FUNCTIONALIZED ALLYLIC ZINC
BROMIDES TO ALKENYL ORGANOMETALLICS. Part 5.

Tetrahedron Lett., 27, 5727 (1986)

P. Knochel* and J.F. Normant

Université P. et M. Curie, tour 44-45, 4 place Jussieu F-75252 Paris Cédex 05

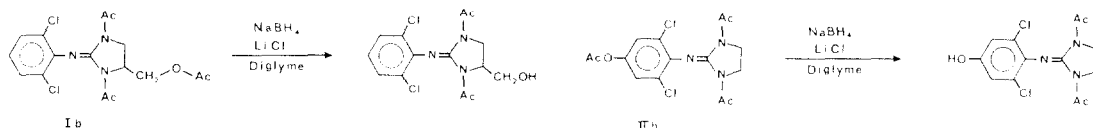


THE USE OF LITHIUM BOROHYDRIDE FOR DEPROTECTING ACETYLATED ALCOHOLS AND
PHENOLS IN THE PRESENCE OF N-ACETYLATED GUANIDINES

Didier HUBER^a, Gérard LECLERC^a, Guy ANDERMANN^b

^aInstitut de Pharmacologie, Laboratoire de Pharmacochimie, 11 rue Humann
67000 Strasbourg and ^bLaboratoires ALCON-POS, 68240 Kayserberg, France.

Tetrahedron Lett., 27, 5731 (1986)



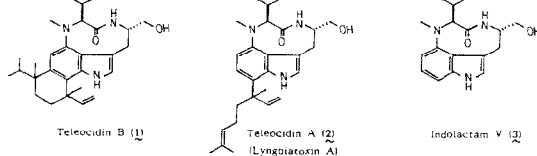
SYNTHETIC STUDIES ON TELEOCIDIN IV.

AN EFFICIENT SYNTHESIS OF (-)-INDOLACTAM V

Shin-ichi Nakatsuka,* Toshiya Masuda, Kunisaku Sakai, and Toshio Goto
Faculty of Agriculture, Nagoya University, Chikusa, Nagoya 464, Japan

An efficient synthesis of (-)-indolactam V was achieved starting from L-tryptophan.

Tetrahedron Lett., 27, 5735 (1986)

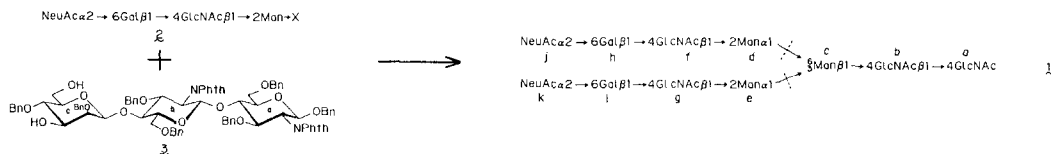


TOTAL SYNTHESIS OF A UNDECASACCHARIDE: A TYPICAL CARBOHYDRATE SEQUENCE FOR THE COMPLEX TYPE OF GLYCAN CHAINS OF A GLYCOPROTEIN

Tetrahedron Lett. 27, 5739 (1986)

Tomoya Ogawa, Mamoru Sugimoto, Tooru Kitajima, Khalid Khan Sadozai, and Tomoo Nukada RIKEN (The Institute of Physical and Chemical Research), Wako-shi, Saitama, 351-01, Japan

Total synthesis of undecasaccharide 1 of complex type of glycans of a glycoprotein was achieved by employing a glycosyl donor 2 and a glycosyl acceptor 3.



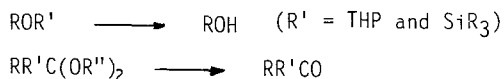
DISTANNOXANE-CATALYZED CLEAVAGE OF ACETALS AND Silyl ETHERS

Tetrahedron Lett. 27, 5743 (1986)

Junzo Otera* and Hitosi Nozaki

Department of Applied Chemistry, Okayama University of Science, Rida-cho, Okayama 700, Japan

Various protecting groups are removed by distannoxane catalysts under mild conditions.

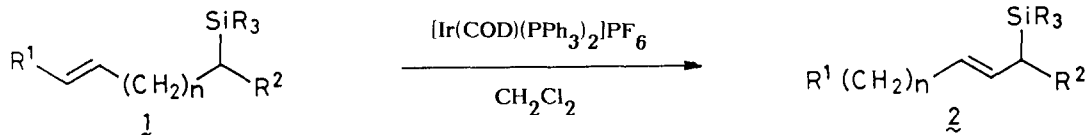


REGIOCONTROLLED SYNTHESIS OF ALLYLSILANES BY MEANS OF RHODIUM(I) OR IRIIDIUM(I) CATALYZED ISOMERIZATION OF OLEFINS

Tetrahedron Lett. 27, 5747 (1986)

Isamu Matsuda,* Tomohisa Kato, Susumu Sato, and Yusuke Izumi

Department of Synthetic Chemistry, Faculty of Engineering, Nagoya University, Nagoya 464, JAPAN



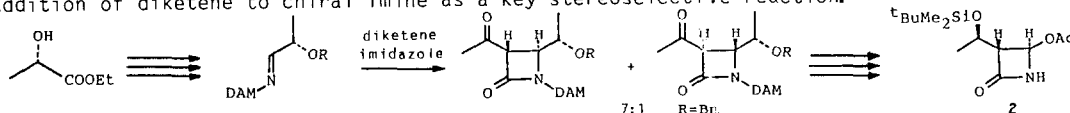
A NOVEL SYNTHESIS OF (3R,4R)-4-ACETOXY-3-[(R)-t-BUTYL-DIMETHYLSILYLOXY]ETHYL-2-AZETIDINONE, THE VERSATILE KEY INTERMEDIATE OF CARBAPENEM SYNTHESIS, FROM (S)-ETHYL LACTATE

Tetrahedron Lett. 27, 5751 (1986)

Yoshio Ito, Takeo Kawabata, and Shiro Terashima*

Sagami Chemical Research Center, Nishi-Onnuma, Sagami-hara, Kanagawa 229, Japan

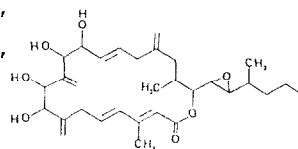
A highly efficient synthesis of the title compound (2) was accomplished employing the addition of diketene to chiral imine as a key stereoselective reaction.



**AMPHIDINOLIDE-A, A NOVEL ANTINEOPLASTIC MACROLIDE
FROM THE MARINE DINOFLAGELLATE AMPHIDINIUM SP.**

Tetrahedron Lett. 27, 5755 (1986)

Jun'ichi Kobayashi^{*a}, Maqami Ishibashi^a, Hideshi Nakamura,^a Yasushi Ohizumi^a, Terufumi Yamasu^b, Takuma Sasaki^c and Yoshimasa Hirata^d
^aMitsubishi-Kasei Institute of Life Sciences, 11 Minamiooya, Machida, Tokyo 194, Japan
^bDivision of General Education, University of the Ryukyus, Nishihara, Okinawa 903-01, Japan
^cNational Cancer Center Research Institute, Tsukiji, Chuo-ku, Tokyo 104, Japan
^dFaculty of Pharmacy, Meijo University, Tempaku, Nagoya 468, Japan

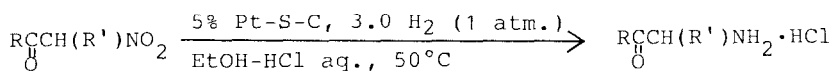


A novel macrolide, amphidinolide-A possessing antineoplastic activity has been isolated from the marine dinoflagellate Amphidinium sp.

**SYNTHESIS OF α -AMINO KETONE HYDROCHLORIDES VIA
CHEMOSELECTIVE HYDROGENATION OF α -NITRO KETONES**

Tetrahedron Lett. 27, 5759 (1986)

Rui Tamura^{*}, Daihei Oda, and Hiroshi Kurokawa
Department of Chemistry, The National Defense Academy, Yokosuka, 239 Japan

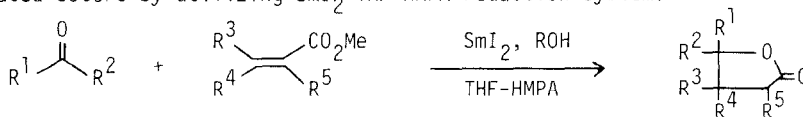


**SmI₂-INDUCED REDUCTIVE CROSS-COUPLING OF CARBONYL COMPOUNDS
WITH α,β -UNSATURATED ESTERS**

Tetrahedron Lett. 27, 5763 (1986)

Kenji Otsubo, Junji Inanaga,^{*} and Masaru Yamaguchi
Department of Chemistry, Kyushu University 33, Hakozaki, Higashi-ku, Fukuoka 812, Japan

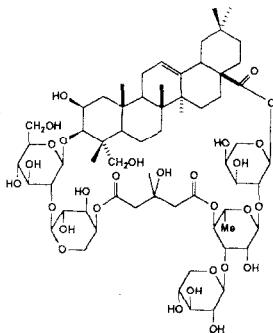
A rapid and mild one-step synthesis of γ -lactones from carbonyl compounds and α,β -unsaturated esters by utilizing SmI₂-THF-HMPA reduction system.



**Structural Study of Tubeimoside I,
A Constituent of Tu-bei-mu.**

Tetrahedron Lett. 27, 5765 (1986)

F.-h. Kong, D.-y. Zhu, R.-s. Xu, Z.-c. Fu,
L.-y. Zhou, T. Iwashita, and H. Komura



The structure of a new triterpene glycoside, Tubeimoside I, isolated from Chinese folk medicine Tu-bei-mu was determined as shown here.

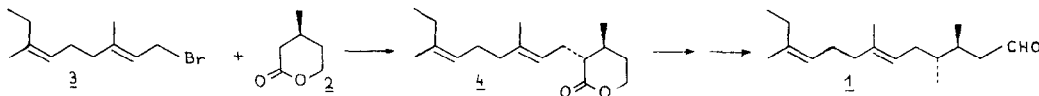
Full assignment of the C-13 NMR signals of Tubeimoside I was obtained.

A CONVENIENT SYNTHETIC ROUTE TO (+)-FARANAL: THE TRAIL
 PHEROMONE OF PHARAOH'S ANT

Tetrahedron Lett. 27,5769 (1986)

L. Poppe^a, L. Novák^a, P. Kolonits^a, Á. Bata^b and Cs. Szántay^{a,c*}

^aInst. for Org. Chem., Technical Univ. Budapest, H-1521, Gellért tér 4.; ^bDep. of Biochem. and Food Techn., Technical Univ., Budapest, H-1521, Pf. 91; ^cCentr. Res. Inst. for Chem., Budapest H-1525, Pf. 17. Abstract: (+)-Faranal **1** was prepared stereo- and enantioselectively.



HOMOLYTIC SUBSTITUTION AT CARBON CENTRE:
 SYNTHESIS OF BENZYL SULPHONES

Tetrahedron Lett. 27,5773 (1986)

B.D. Gupta, Manoj Kumar, Indira Das and M. Roy

Department of Chemistry, Indian Institute of Technology, Kanpur 208016, India

Synthesis of benzyl sulphones from benzyl cobaloximes by S_H2 process

