

GRAPHICAL ABSTRACTS

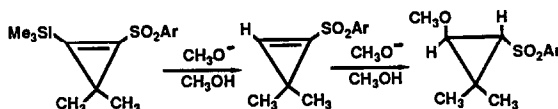
Tet.Lett., 27, 23, 2555 (1986)

SIGNIFICANCE OF THE ANOMERIC EFFECT ON THE CONFIGURATIONAL STABILITY OF CYCLOPROPYL CARBANIONS

Albert Padwa* and M. Woods Wannamaker

Department of Chemistry, Emory University, Atlanta, GA 30322 USA

The effect of an electron withdrawing group adjacent to cyclopropyl carbanion has been studied. The facility with which carbanion interconversion occurs can be attributed to the existence of the anomeric effect.



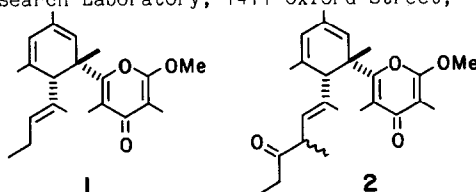
Tet.Lett., 27, 23, 2559 (1986)

THE MAJOR POLYPROPIONATE METABOLITES OF THE SACOGLOSSAN MOLLUSC *ELYSIA CHLOROTICA*

Robert D. Dawe and Jeffrey L. C. Wright,

National Research Council, Atlantic Research Laboratory, 1411 Oxford Street, Halifax, N. S., CANADA B3H 3Z1

The opisthobranch, *Elysia chlorotica* contains the major polypropionates (1) and (2). Both compounds possess the same relative stereochemistry and (1) is the enantiomer of a previously reported molluscan metabolite.

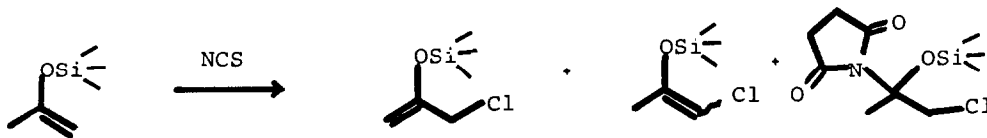


Tet.Lett., 27, 23, 2563 (1986)

REACTIONS OF ENOL SILYL ETHERS WITH N-HALO-SUCCINIMIDE - A STEPWISE PROCESS

G.F. Hambly and T.H. Chan*

Department of Chemistry, McGill University, Montreal, P.Q. Canada H3A 2K6



Tet.Lett., 27, 23, 2567 (1986)

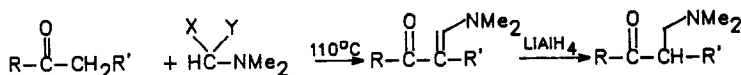
THE SYNTHESIS OF MANNICH BASES FROM KETONES AND ESTERS VIA ENAMINONES.

Paul Francis Schuda*, Cynthia

B.Ebner and Tina M. Morgan Department of Chemistry, University of Maryland College Park,

Maryland, 20742

The reactions activated methylene compounds with amide acetals to form enaminones and further conversion to the Mannich Bases via reduction is described.

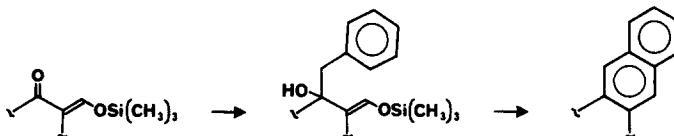


Tet.Lett., 27, 23, 2571 (1986)

AROMATIC ANNELENATION. SYNTHESIS OF NAPHTHALENES.

Marcus A. Tius* and Jorge Gomez-Galeno
Department of Chemistry, University of Hawaii
Honolulu, Hawaii 96822 U.S.A.

A cationic cyclization for preparing naphthalenes
and phenanthrenes.

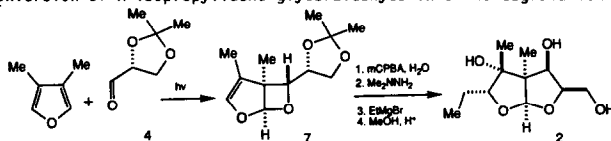


Tet.Lett., 27, 23, 2575 (1986)

STUDIES OF THE FURAN-CARBONYL PHOTOCYCLOADDITION REACTION: THE
DETERMINATION OF THE ABSOLUTE STEREOSTRUCTURE OF ASTELTOXIN

Stuart L. Schreiber* and Kunio Satake
Department of Chemistry, Yale University, New Haven, CT 06511 USA

The absolute stereochemistry of (+)-asteltoxin has been determined by experiments
that include the conversion of R-isopropylidene glyceraldehyde into the degradation product 2.



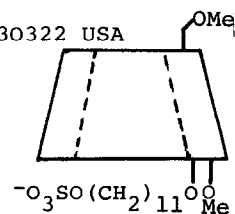
Tet.Lett., 27, 23, 2579 (1986)

SYNTHESIS AND PROPERTIES OF A SURFACTANT-CYCLODEXTRIN CONJUGATE

F. M. Menger* and D. Y. Williams

Department of Chemistry, Emory University, Atlanta, Georgia 30322 USA

A surfactant-cyclodextrin conjugate, in which ion-terminated chains are attached to the sugars of a cyclodextrin, has been synthesized and examined by a variety of physical methods including surface tension, light scattering, and UV-fluorescence spectrophotometry.



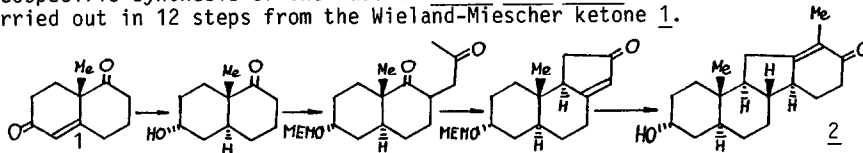
Tet.Lett., 27, 23, 2595 (1986)

TOTAL SYNTHESIS OF C-NOR D-HOMOSTEROIDS OF ABCD TYPE,
INVOLVING A REDUCTIVE ALKYLATION STEP FOR THE D-RING

Eric Brown* and Jacques Lebreton

UA n°482, Faculté des Sciences, Route de Laval, BP 535, 72017 Le Mans Cedex, France

A stereospecific synthesis of the racemic trans-anti-trans C-nor D-homosteroid compound 2 was carried out in 12 steps from the Wieland-Miescher ketone 1.



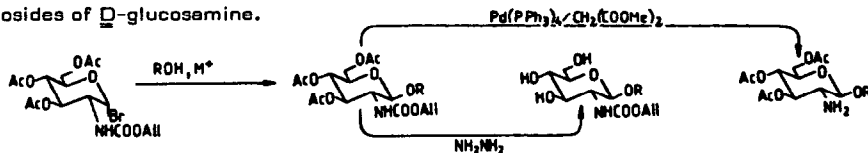
Tet.Lett., 27, 23, 2599 (1986)

**The N-allyloxycarbonyl derivative of D-glucosamine:
a potent precursor of β -glycosidation.**

P. Boullanger and G. Descotes

Laboratoire de Chimie Organique II, Université Lyon I, 69622, Villeurbanne, France.

A new route to β -glycosides of D-glucosamine.



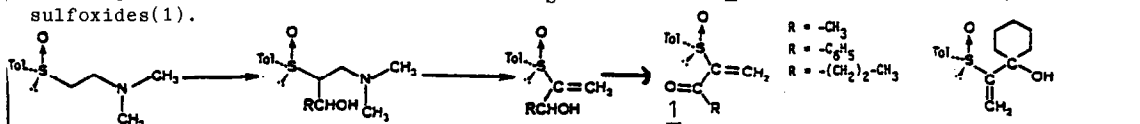
Tet.Lett., 27, 23, 2603 (1986)

ACCESS TO (R)_S 1-ACYL-VINYL p-TOLYLSULFOXIDES

Christian Maignan*, Ahmed Guessous et Francis Rouessac

Laboratoire de Synthèse Organique, UA 482, Faculté des Sciences,
BP 535, 72017 Le Mans Cedex, France.

Hofmann elimination from several (R)_S 2-dimethylamino-1 p-tolylsulfanyl ethane gave rise to chiral dienophiles, (R)_S 1-acyl-vinyl p-tolyl-sulfoxides(1).

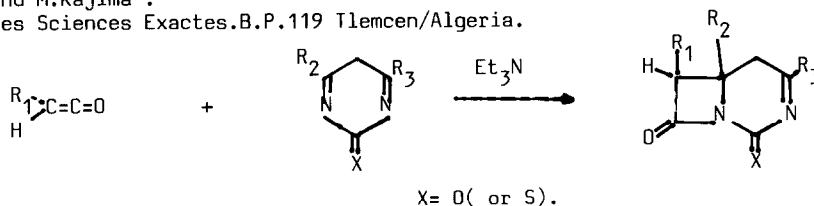


Tet.Lett., 27, 23, 2611 (1986)

FUSED AZETIDINONES FROM 2-KEIO-DIHYDROPYRIMIDINES

A.Atmani and M.Kajima*.

Institut des Sciences Exactes.B.P.119 Tlemcen/Algeria.



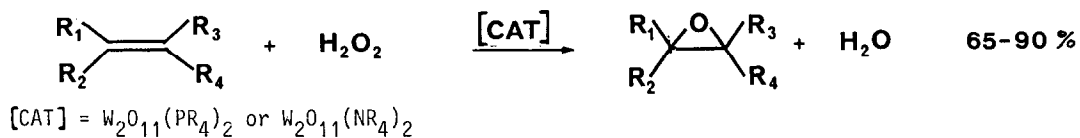
Tet.Lett., 27, 23, 2617 (1986)

**EPOXIDATION OF ISOLATED DOUBLE BONDS WITH 30% HYDROGEN
PEROXIDE CATALYZED BY PERTUNGSTATE SALTS**

J.Prandi, H.B.Kagan and H.Mimoun^a

UA CNRS 255, Lab. Synthèse Asymétrique, Université Paris-Sud, 91405 ORSAY Cédex, FRANCE.

a: Institut Français du Pétrole, BP 311, 1 Ave de Bois Préau, 92500 RUEUIL MALMAISON, FRANCE.



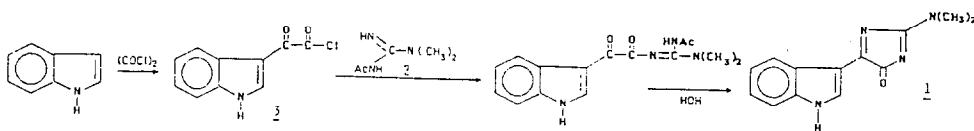
An 3-Indolyl-imidazol-4-one from the Tunicate *Dendrodia grossularia*

Tet.Lett., 27, 23, 2621 (1986)

Michèle GUYOT* and Michèle MEYER

Laboratoire de Chimie, Muséum National d'Histoire Naturelle, 63 rue Buffon, 75231-Paris Cedex 05

The compound **1** was isolated and synthesized as follow :



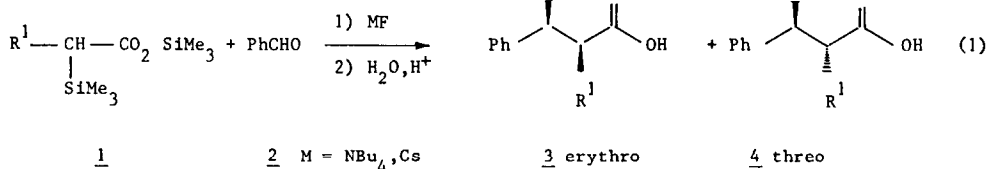
ERYTHRO SELECTIVE CROSS ALDOL REACTION VIA α -SILYL TRIMETHYLSILYL ESTERS.

Moncef BELLASSOUED**, Jacques-Emile DUBOIS* and Emmanuel BERTOUNESQUE.

Tet.Lett., 27, 23, 2623 (1986)

* Institut de Topologie et de Dynamique des Systèmes de l'Université Paris VII, associé au CNRS, 1, rue Guy de la Brosse, 75005 PARIS, France.

** Université Pierre et Marie Curie (Paris VI) Laboratoire de Synthèse Organométallique, 4, Place Jussieu, 75230 PARIS Cedex 05, France.



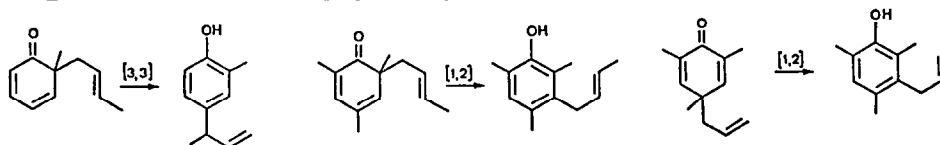
CATALYSIS OF THE CYCLOHEXADIENONE-PHENOL REARRANGEMENT BY A LEWIS-ACIDIC CLAY SYSTEM.

Stéphane Chalais, Pierre Laszlo and Arthur Mathy

Laboratoire de Chimie Organique Physique Institut de Chimie Organique Université de Liège au Sart-Tilman, 4000 Liège, Belgium.

Tet.Lett., 27, 23, 2627 (1986)

o and **p** Cyclohexadienones lead to [3,3] or [1,2] shifts rearrangements.



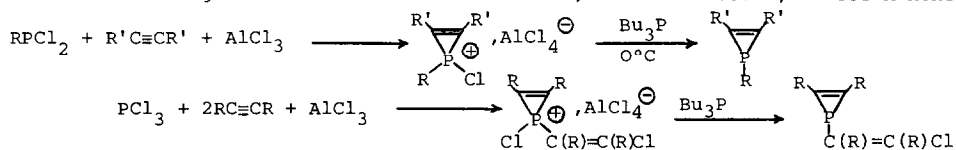
A SIMPLE PREPARATION OF TERVALENT PHOSPHIRENE

Siegfried Lochschmidt, François Mathey, and Alfred Schmidpeter

Laboratoire CNRS-SNPE, 2-8 rue Henry Dunant, 94320 Thiais (France) and

Institut für Anorganische Chemie der Universität, Meiserstrasse 1, D-8000 München 2 (BRD)

Tet.Lett., 27, 23, 2635 (1986)



Tet.Lett., 27, 23, 2639 (1986)

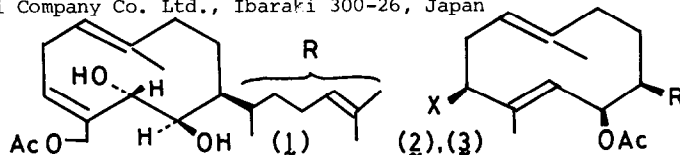
STRUCTURAL ELUCIDATION AND CONFORMATIONAL ANALYSIS OF GERMACRANE-TYPE DITERPENOIDS FROM THE BROWN ALGA *PACHY-DICTYON CORIACEUM*

M. Ishitsuka, T. Kusumi, H. Kakisawa*, Y. Kawakami°, Y. Nagai°, and T. Sato°

Department of Chemistry, The University of Tsukuba, Ibaraki 305, Japan

*Tsukuba Research Laboratory, Eisai Company Co. Ltd., Ibaraki 300-26, Japan

New diterpenoids, acetoxy-pachy-diol (1), 3-hydroxydilophol (2; X = OH), and dilophol acetate (3; X = H) from the brown alga.



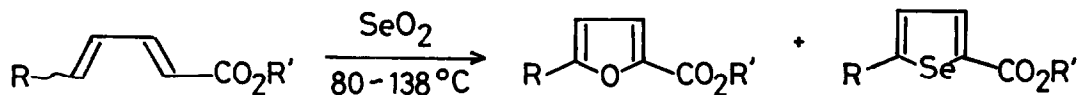
Tet.Lett., 27, 23, 2643 (1986)

A NOVEL SYNTHESIS OF 2,5-DISUBSTITUTED FURANS AND SELENOPHENES VIA THE OXIDATION OF 2,4-ALKADIENOIC ESTERS WITH SeO_2

Sadao Tsuboi, Kenji Watanabe, Shigetoshi Mimura, and Akira Takeda*

Department of Synthetic Chemistry, School of Engineering,

Okayama University, Tsushima, Okayama 700, Japan



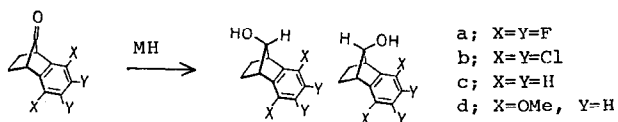
Tet.Lett., 27, 23, 2645 (1986)

ELECTRONIC CONTROL OF STEREOSELECTIVITY IN THE METAL HYDRIDE REDUCTIONS OF 7-BENZONORBORNENONES

Keiji Okada*, Seiji Tomita, and Masaji Oda*

Department of Chemistry, Faculty of Science, Osaka University, Toyonaka, Osaka 560, Japan

Electronic control of stereoselectivity in the metal hydride reductions of 7-benzonornbornenones is proposed.



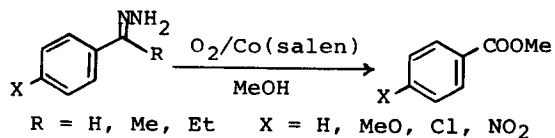
Tet.Lett., 27, 23, 2649 (1986)

NOVEL OXIDATIVE CLEAVAGE OF CARBON-CARBON BOND IN HYDRAZONES BY OXYGENATION WITH COBALT SCHIFF BASE COMPLEX

Akira Nishinaga,* Shigekazu Yamazaki, and Teruo Matsuura

Department of Synthetic Chemistry, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606, Japan

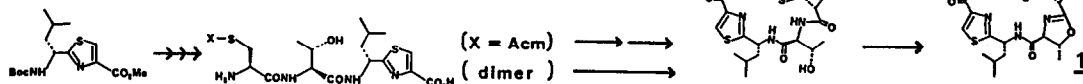
Co(salen) promoted oxygenolysis of aromatic ketone hydrazones giving rise to methyl benzoate derivatives, reactions and mechanism.



Tet.Lett., 27, 23, 2653 (1986)

TOTAL SYNTHESIS OF ULITHIACYCLAMIDE, A STRONG
CYTOTOXIC CYCLIC PEPTIDE FROM MARINE TUNICATES
*
Shinji Kato, Yasumasa Hamada, and Takayuki Shioiri
Faculty of Pharmaceutical Sciences, Nagoya City University
Tanabe-dori, Mizuho-ku, Nagoya 467, JAPAN

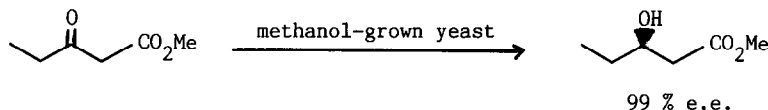
Total synthesis of ulithiacyclamide(1)
through the two different cyclization processes.



Tet.Lett., 27, 23, 2657 (1986)

STEREOCHEMICAL CONTROL IN MICROBIAL REDUCTION 4. EFFECT OF CULTIVATION
CONDITIONS ON THE REDUCTION OF β -KETO ESTERS BY METHYLOTROPHIC YEASTS.
Kazutoshi USHIO, Kiyoko INOUE, Kaoru NAKAMURA, Shinzaburo OKA, and Atsuyoshi OHNO*
Institute for Chemical Research, Kyoto University, Uji, Kyoto 611, Japan

Highly enantio-selective synthesis of (3R)-3-hydroxypentanoate via methanol-yeast reduction.

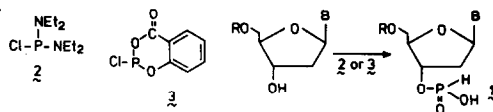


Tet.Lett., 27, 23, 2661 (1986)

A CONVENIENT AND GENERAL APPROACH TO THE SYNTHESIS OF
PROPERLY PROTECTED d-NUCLEOSIDE-3'-HYDROGENPHOSPHONATES
VIA PHOSPHITE INTERMEDIATES

J.E. Marugg, M. Tromp, E. Kuyil-Yeheskiely, G.A. van der Marel and J.H. van Boom
Gorlaeus Laboratories, P.O. Box 9502, 2300 RA Leiden, The Netherlands

Phosphitylation of properly 5'-O,N-protected d-nu-
cleosides with either 2 or 3 afforded the corres-
ponding 3'-hydrogenphosphonates 1.

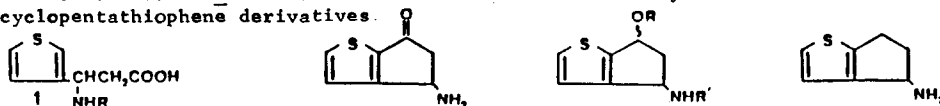


Tet.Lett., 27, 23, 2607 (1986)

CYCLISATION OF 3-AMINO-3-(3-THIENYL)PROPIONIC ACID INTO
AMINOCYCLOPENTATHIOPHENES.

*
P. Dallemagne, S. Rault, M. Cugnon de Sévricourt, KH.M. Hassan
and M. Robba.
Laboratoire de Chimie Thérapeutique, U.E.R des Sciences Pharmaceutiques, 1, rue Vaubenard,
14032 Caen (France). *Faculty of Science, Chemistry Department, Assiut University (Egypt).

Treatment of aminoacid 1 with a mixture of trifluoroacetic anhydride and acid led to
aminocyclopentathiophene derivatives.



Added after issue went to press.