

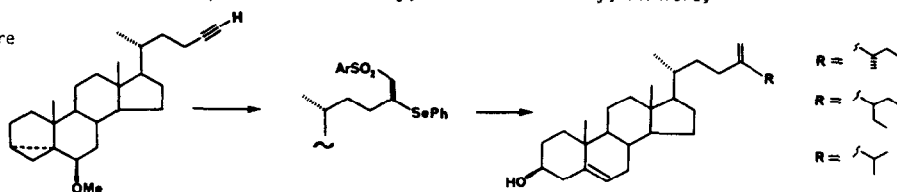
GRAPHICAL ABSTRACTS

APPLICATION OF SELENOSULFONATION TO MARINE STEROL SYNTHESIS.
PREPARATION OF 24,28-DEHYDROAPLYSTEROL, XESTOSTEROL AND
OSTREASTEROL FROM A COMMON ACETYLENIC INTERMEDIATE.

Tet.Lett., 27, 20, 2187 (1986)

Thomas G. Back, Department of Chemistry, University of Calgary, Calgary, Alberta Canada T2N 1N4
and John R. Proudfoot and Carl Djerassi*, Department of Chemistry, Stanford University, Stanford,
CA 94305

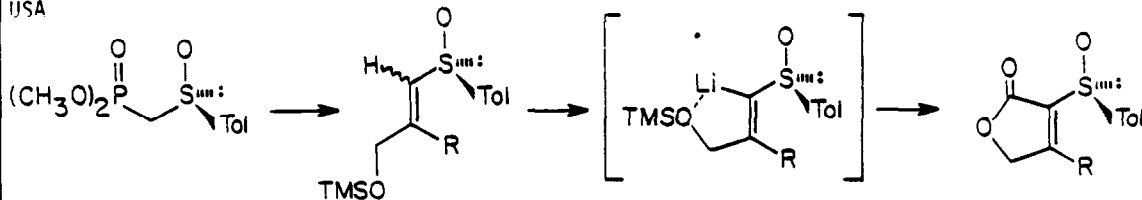
The title compounds were prepared according to the adjoining scheme.



AN EFFICIENT SYNTHESIS OF CHIRAL 2-(*p*-TOLYLSULFINYL)-2-BUTENOLIDES

Tet.Lett., 27, 20, 2191 (1986)

Robert A. Holton* and Hyeong-Baik Kim
Dittmer Laboratory of Chemistry, The Florida State University, Tallahassee, Florida 32306
USA

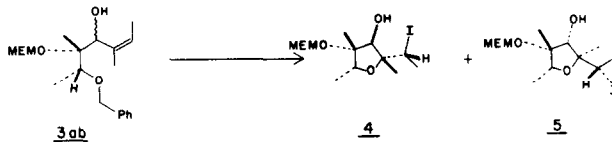


STUDIES OF TETRASUBSTITUTED TETRAHYDROFURANS

Tet.Lett., 27, 20, 2195 (1986)

D.R. Williams* and Franklin H. White
Department of Chemistry, Indiana University, Bloomington, IN 47405 USA

Unambiguous stereochemical assignments, detailing the course of iodine-induced cyclizations of the γ,δ -olefinic benzyl ethers 3ab, are available from X-ray studies.

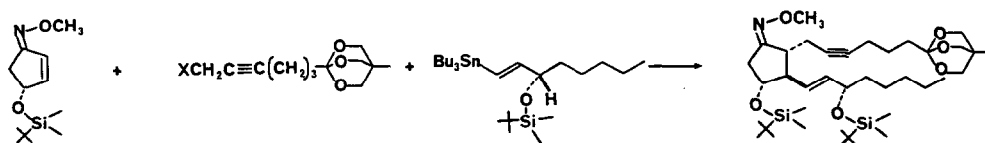


A NEW SYNTHETIC ROUTE TO PROSTAGLANDINS

Tet.Lett., 27, 20, 2199 (1986)

E. J. Corey, Koichi Niimura, Yoshitaka Konishi, Shinsuke Hashimoto, and Yasumasa Hamada
Department of Chemistry, Harvard University, Cambridge, Massachusetts 02138

A synthesis of PGE₂ based on unique methoxime chemistry is reported.

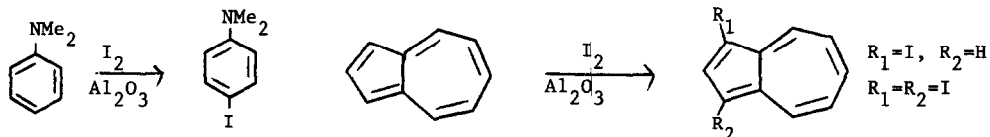


THE IODINATION OF AROMATIC SUBSTRATES ON ALUMINA
Richard Boothe, Christopher Dial, Richard Conaway,
Richard M. Pagni* and George W. Kabalka*

Department of Chemistry, University of Tennessee, Knoxville, TN 37996 USA

The iodination of aromatic substrates on alumina is reported.

Tet.Lett., 27, 20, 2207 (1986)



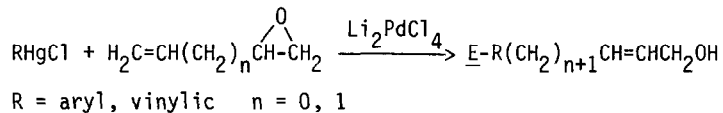
SYNTHESIS OF ALLYLIC ALCOHOLS VIA ORGANOPALLADIUM
ADDITIONS TO UNSATURATED EPOXIDES

Richard C. Larock* and Steven J. Ilkka

Department of Chemistry, Iowa State University, Ames, IA 50011 USA

A synthesis of allylic alcohols via organopalladium additions to unsaturated epoxides.

Tet.Lett., 27, 20, 2211 (1986)



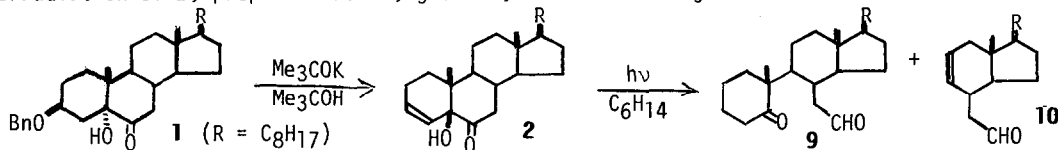
SYNTHESIS AND PHOTOCHEMISTRY OF 5-HYDROXY-
5 β -CHOLEST-3-EN-6-ONE

Shirley Stiver and Peter Yates*

Lash Miller Chemical Laboratories, University of Toronto, Toronto, Ontario, Canada M5S 1A1

Irradiation of **2**, prepared from **1**, gives **9**, which in turn gives **10**.

Tet.Lett., 27, 20, 2215 (1986)



ADDITION OF METALLO ENOLATES TO 1-ACYLPYRIDINIUM SALTS.
A SHORT SYNTHESIS OF (±)-EPI-LUPININE

Daniel L. Comins* and Jack D. Brown

Department of Chemistry and Biochemistry, Utah State University, Logan, Utah 84322 0300

A short synthesis of (±)-epi-lupinine from 4-trimethylstannylpyridine.

Tet.Lett., 27, 20, 2219 (1986)

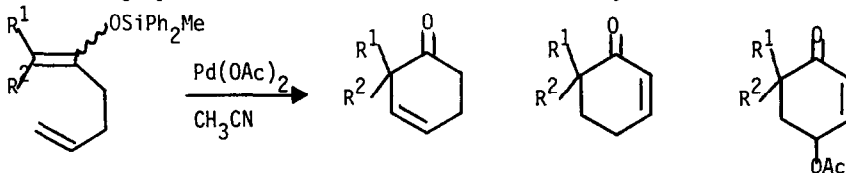


THE PALLADIUM (II) ACETATE PROMOTED 6-ENDO-TRIG
CYCLIZATION OF 1,1-DIALKYL-2-SILYLOXY-1,5-DIENES

Luz E. Torres and Gerald L. Larson*

Department of Chemistry, University of Puerto Rico, Rio Piedras, PR 00931

A 6-endo-trig cyclization of γ,δ -unsaturated enol silyl ethers



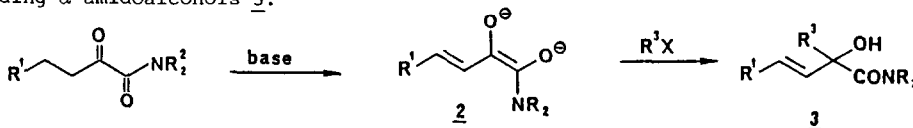
Tet.Lett., 27,20,2223 (1986)

THE FORMATION AND ALKYLATION OF α -KETOAMIDE DIANIONS

Emil R. Koft* and Michael D. Williams

Department of Chemistry, Rensselaer Polytechnic Institute, Troy, NY 12180-3590 USA

α -Ketoamides undergo double deprotonation to form anions 2 which alkylate at the α -carbon, yielding α -amidoalcohols 3.



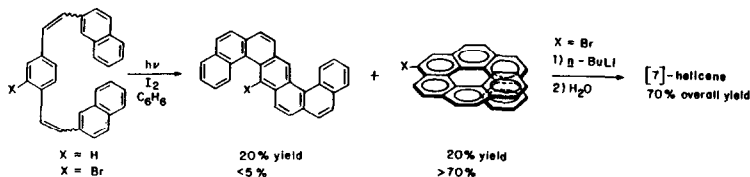
Tet.Lett., 27,20,2227 (1986)

DIRECTIVE EFFECT OF BROMINE ON STILBENE PHOTOCYCLIZATIONS.

AN IMPROVED SYNTHESIS OF [7]HELICENE.

Anantha Sudhakar and Thomas J. Katz*

Department of Chemistry, Columbia University, New York, New York 10027 USA



Tet.Lett., 27,20,2231 (1986)

SOLID PHASE CARBON-13 NMR STUDIES OF DICYCLOHEXYL-18-CROWN-6-ETHERS AND SOME ALKALI METAL PHENOXIDE COMPLEXES

G.W. Buchanan*, Ottawa-Carleton Chemistry Institute, Department of Chemistry, Carleton University, Ottawa, Canada K1S 5B6; J.A. Ripmeester, Division of Chemistry, National Research Council of Canada, Ottawa, Canada K1A 0R9; J.W. Bovenkamp and A. Rodrigue, Defence Establishment Ottawa, Canada K1A 0Z4.

The C-13 CPMAS spectra of 1 and its complex with 2 equivalents of potassium phenoxide are compared to that of the complex of 2 with 2 equivalents of sodium phenoxide.



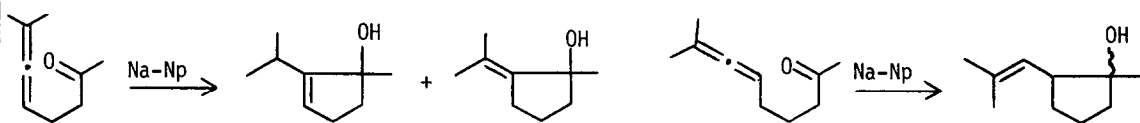
Tet.Lett., 27,20,2239 (1986)

Tet.Lett., 27, 20,2243 (1986)

REDUCTIVE CYCLIZATIONS OF ALLENIC KETONES BY DISSOLVING

METALS. Jack K. Crandall* and Maher Mualla

Department of Chemistry, Indiana University, Bloomington, IN 47405 USA

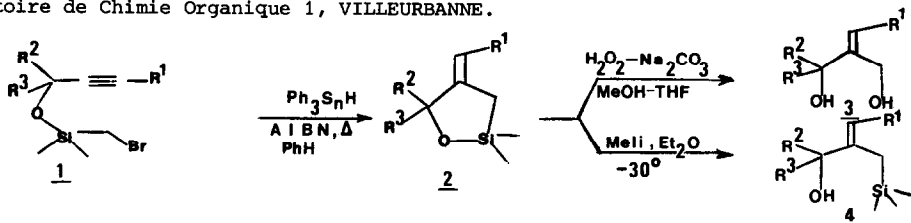


Tet.Lett., 27, 20,2255 (1986)

RADICAL CYCLIZATION OF (BROMOMETHYL)DIMETHYLSILYL PROPARGYLIC ETHERS.

Elisabeth MAGNOL et Max MALACRIA

Laboratoire de Chimie Organique 1, VILLEURBANNE.

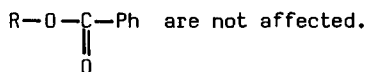


Tet.Lett., 27, 20,2263 (1986)

FACILE SELECTIVE AMINOLYSIS OF PHENOLIC BENZOATES WITH 1-BUTANAMINE IN BENZENE

Kevin H. Bell

Chemistry Department, University of Newcastle, N.S.W. 2308, Australia.



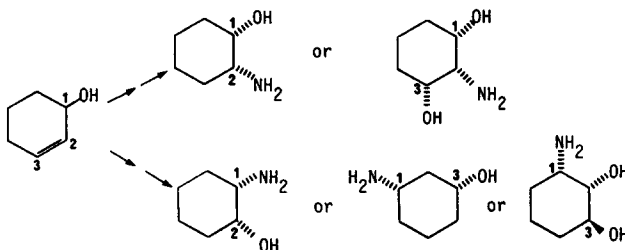
Tet.Lett., 27, 20,2275 (1986)

New Routes to Cis-1,2-Hydroxyamines and Related Systems

Peter G. Sammes* and Dean Thetford

Department of Organic Chemistry,
The University, Leeds. LS2 9JT

Use of modified Mitsunobu reactions
leads to the title compounds

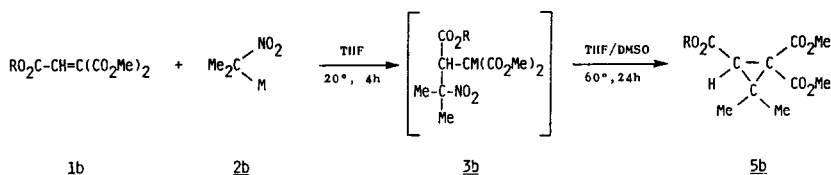


Tet.Lett., 27, 20, 2283 (1986)

Novel Synthesis of Methyl Caronate

A. Krief, M.J. Devos and M. Sevrin

Caronic esters have been prepared by cyclopropanation of tricarbalkoxy ethylenes by Z-metallo-2-nitropropanes. The best results are obtained when the two reaction steps are carried out in two different solvents (i) THF, ii) DMSO].



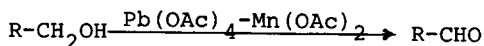
Tet.Lett., 27, 20, 2287 (1986)

THE CONVERSION OF PRIMARY ALCOHOLS TO THE CORRESPONDING ALDEHYDES BY A MODIFIED LEAD TETRAACETATE OXIDATION

M. Lj. Mihailović*, S. Konstantinović and R. Vukićević

Department of Chemistry, Faculty of Science, University of Belgrade, P.O. Box 550, YU-11001 Belgrade, and Department of Chemistry, Faculty of Science, Svetozar Marković University of Kragujevac, YU-34000 Kragujevac, Yugoslavia

A novel method for obtaining aldehydes in high yield from primary alcohols has been devised using the combination lead tetraacetate-manganous diacetate as the oxidizing agent.



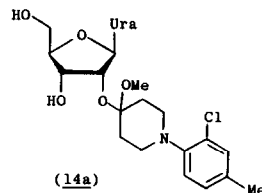
Tet.Lett., 27, 20, 2291 (1986)

AN ACETAL GROUP SUITABLE FOR THE PROTECTION OF 2'-HYDROXY FUNCTIONS IN RAPID OLIGORIBONUCLEOTIDE SYNTHESIS

Colin B. Reese*, Halina T. Serafinowska, and Giovanni Zappia

Department of Chemistry, King's College London, Strand, London WC2R 2LS, England

The 1-[(2-chloro-4-methyl)phenyl]-4-methoxypiperidin-4-yl [Ctmp; as in (14a)] group is proposed for the protection of 2'-hydroxy functions in rapid oligoribonucleotide synthesis.



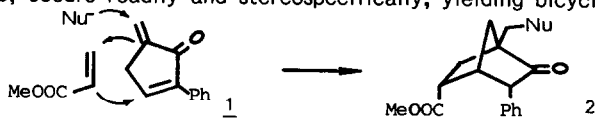
Tet.Lett., 27, 20, 2295 (1986)

STEREOSPECIFIC TRIPLE MICHAEL ADDITION

Chatchai Tanupran, Chachanat Thebtaranonth, Yodhathai Thebtaranonth*

Department of Chemistry, Faculty of Science, Mahidol University, Bangkok 10400, Thailand.

The consecutive Michael addition of a nucleophile to α -methylene cyclopentenone (1), thence to methyl acrylate, occurs readily and stereospecifically, yielding bicyclo-[2,2,1]-heptanone (2).

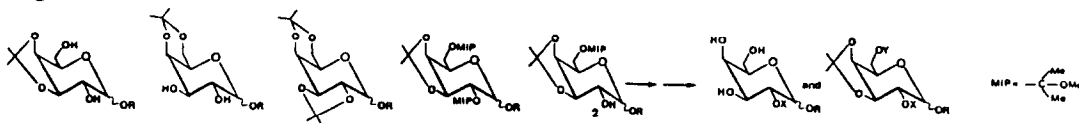


Tet.Lett., 27, 20, 2307 (1986)

NEW RESULTS IN THE ISOPROPYLIDENATION OF GALACTOPYRANOSIDES. USEFUL INTERMEDIATES FOR THE SYNTHESIS OF GALACTOSE DERIVATIVES

Pier Luigi Barili, Giancarlo Berti, Giorgio Catelani*, Fabrizia Colonna, and Alberto Marra
Istituto di Chimica Organica, Facoltà di Farmacia, Università di Pisa, 56100 Pisa, Italy

Five types of acetals are obtained from galactopyranosides with $\text{Me}_2\text{C}(\text{OMe})_2$. Compounds of type 2 can be prepared in high yield and used for the synthesis of 2-, 6-, or 2,6-O-substituted galactose derivatives.



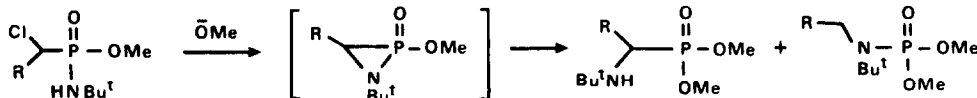
Tet.Lett., 27, 20, 2313 (1986)

METHOXIDE-INDUCED REARRANGEMENT OF SOME N-t-BUTYL

α -CHLOROPHOSPHONAMIDATES. EVIDENCE FOR AZAPHOSPHIRIDINE OXIDE INTERMEDIATES

Martin J.P. Harger* and Andrew Williams

Department of Chemistry, The University, Leicester LE1 7RH



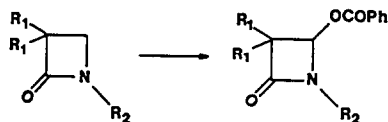
Product formation with either P-N or P-C bond fission points to a cyclic intermediate.

Tet.Lett., 27, 20, 2315 (1986)

DIRECT INTRODUCTION OF A BENZOYLOXY SUBSTITUENT AT THE C-4 POSITION OF β -LACTAMS

Christopher J. Easton* and Stephen G. Love
Department of Chemistry, University of Canterbury, Christchurch, New Zealand.

The copper-promoted reaction of β -lactams with *t*-butyl perbenzoate results in functionalization of the β -lactams at the C-4 position.



$R_1 = \text{H or Me}$
 $R_2 = \text{t-Bu or Ph}$

Tet.Lett., 27, 20, 2319 (1986)

PHOTOCHEMICAL 2-ALKYLATION OF CYCLOHEXANE-1,3-DIONES

Nicola M. Berry, Mark C.P. Darey and Laurence M. Harwood*

Dyson Perrins Laboratory, University of Oxford, South Parks Road, Oxford OX1 3QY, G.B.

Cyclohexane-1,3-diones may be photochemically 2-alkylated with enol ethers under mild conditions.

