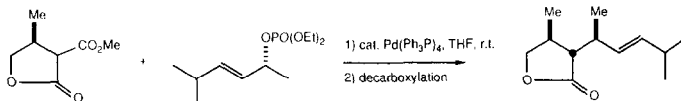


GRAPHICAL ABSTRACTS

Tet.Lett., 27,11,1221 (1986)

ON THE EXTENT OF RACEMIZATION OF ALLYLIC ESTERS DURING PALLADIUM-MEDIATED ALKYLATION WITH HOMOCHIRAL 3-METHYL- γ -BUTYROLACTONE DERIVATIVES Frederick E. Ziegler*, Alyssa Kneisley, and Ronald T. Wester Sterling Chemistry Laboratory, Yale University, New Haven, CT 06511 USA

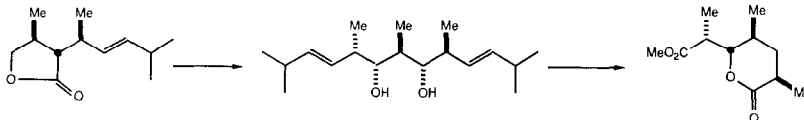
The extent of racemization during a palladium (0) catalyzed alkylation is reported.



Tet.Lett., 27,11,1225 (1986)

REGIOCHEMICAL CONTROL IN THE HEMIACETALIZATION OF A DIHYDROXYDIALDEHYDE. AN APPLICATION OF THE USE OF HOMOCHIRAL 3-METHYL- γ -BUTYROLACTONES TO THE CONSTRUCTION OF HOMOCHIRAL TRIPROPIONATE UNITS Frederick E. Ziegler* and Ronald T. Wester Sterling Chemistry Laboratory, Yale University, New Haven, CT 06511 USA

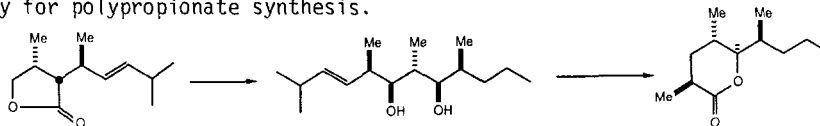
A synthesis of the (+)Prelog-Djerassi lactonic acid methyl ester exemplifies a new strategy for polypropionate synthesis.



Tet.Lett., 27,11,1229 (1986)

R-3-METHYL- γ -BUTYROLACTONE AS A TEMPLATE FOR THE SYNTHESIS OF (+)-INVICTOLIDE Frederick E. Ziegler*, Eugene P. Stirchak, and Ronald T. Wester Sterling Chemistry Laboratory, Yale University, New Haven, CT 06511 USA

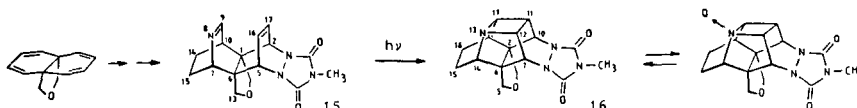
Biologically inactive (+)-invictolide is prepared by a new strategy for polypropionate synthesis.



Tet.Lett., 27,11,1269 (1986)

AN INTRAMOLECULAR IMINE/ENE - PHOTO-[2+2]-CYCLOADDITION REACTION Gerhard Fischer, Hans Fritz and Horst Prinzbach*
Chemisches Laboratorium der Universität, D-7800 Freiburg i. Br., BRD

Direct or sensitized phototransformation of 15 to stable 16

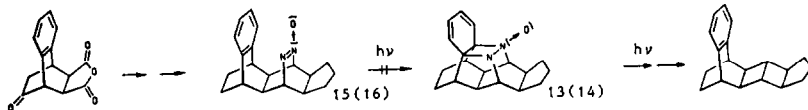


Tet.Lett., 27.11, 1273 (1986)

THE BENZO- AND AZO(AZOXY)-CHROMOPHORS AS $\pi 6/\pi 2$ -COMPONENTS IN PHOTOCYCLOADDITION REACTIONS

Gerhard Fischer, Eberhard Beckmann, Horst Prinzbach*, Greta Rihs and Jacob Wirz
Chemisches Laboratorium der Universität, D-7800 Freiburg i. Br., BRD

No phototransformation 15(16) \rightarrow 13(14) in spite of favourable geometry (X-ray)

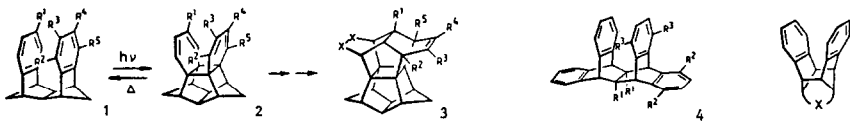


Tet.Lett., 27, 11, 1277 (1986)

[6+6]-BENZO/BENZO-PHOTOCYCLOADDITION REACTIONS

G. Sedelmeier, W.-D. Fessner, C. Grund, P.R. Spurr, H. Fritz and H. Prinzbach*
Chemisches Laboratorium der Universität, D-7800 Freiburg i. Br., BRD

Photo-[6+6]cycloadditions in substrates of type 1/4, not 7



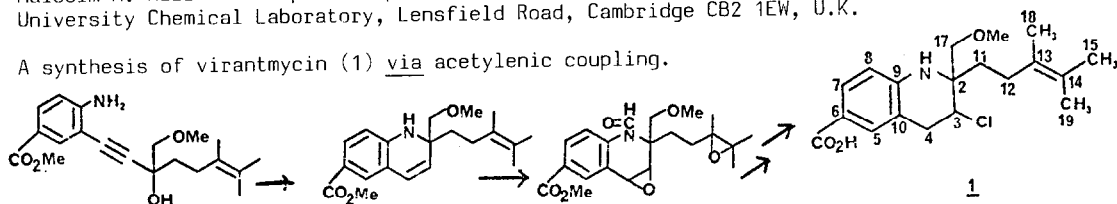
Tet.Lett., 27, 11, 1293 (1986)

TOTAL SYNTHESIS OF THE ANTIVIRAL (+) VIRANTMYCIN

Malcolm A. Hill and Ralph A. Raphael*

University Chemical Laboratory, Lensfield Road, Cambridge CB2 1EW, U.K.

A synthesis of virantmycin (1) via acetylenic coupling.



SYNTHESIS OF 2-(METHOXYCARBONYLMETHYL)-7-PHENYLACETAMIDO-3-THIACEPHAM-4-CARBOXYLATES

Tet.Lett., 27, 11, 1301 (1986)

Peter H. Crackett, Colin W. Greengrass and Richard J. Stoodley*

Department of Organic Chemistry, The University, Newcastle upon Tyne, NE1 7RU, and Pfizer Central Research, Sandwich, Kent, CT13 9NJ.

The thiacepham (2) has been synthesised from the benzylpenicillin-derived intermediate (1).

