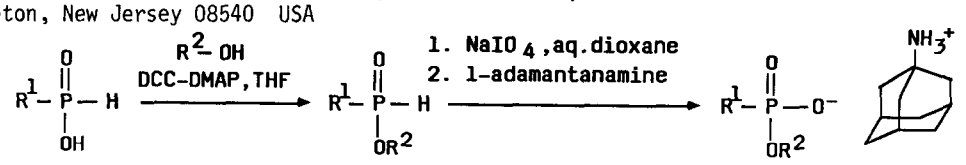
GRAPHICAL ABSTRACTS

Tet.Lett.,27,16,1751 (1986)

SYNTHESIS OF PHOSPHONIC MONOESTERS FROM PHOSPHONOUS ACIDS. Donald S. Karanewsky* and Michael C. Badia
Squibb Institute for Medical Research, P. O. Box 4000, Princeton, New Jersey 08540 USA



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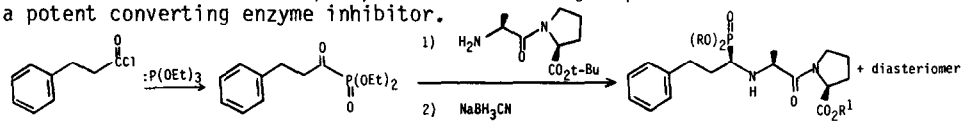
Tet.Lett.,27,16,1757 (1986)

THE SYNTHESIS OF AN AMINOPHOSPHONIC ACID CONVERTING ENZYME INHIBITOR
Gary A. Flynn and Eugene L. Giroux
Merrell-Dow Research Institute, Cincinnati, OH 45215 USA

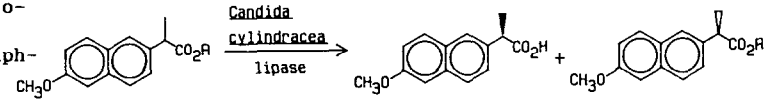
Reductive Amination of an α-ketophosphonate followed by deprotection gives a potent converting enzyme inhibitor.



Tet.Lett.,27,16,1763 (1986)

A FACILE ENZYMATIC RESOLUTION PROCESS FOR THE PREPARATION OF (+)-S-2-(6-METHOXY-2-NAPHTHYL)PROPIONIC ACID (NAPROXEN).
Qu-Ming Gu, Ching-Shih Chen and C. J. Sih*
School of Pharmacy, University of Wisconsin, Madison, WI 53706 U.S.A.

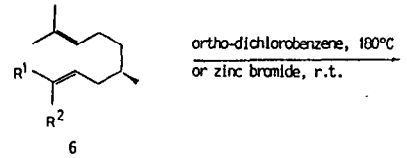
(+)-S-2-(6-Methoxy-2-naphthyl)propionic acid (1) has been prepared via enzymatic enantiospecific hydrolysis of (±)-chloroethyl-2-(6-methoxy-2-naphthyl)propionate (3).



Tet.Lett.,27,16,1767 (1986)

ASYMMETRIC INDUCTION IN INTRAMOLECULAR ENE REACTIONS OF 1,7-DIENES
Lutz F. Tietze* and Uwe Beifuss
Institut für Organische Chemie der Georg-August-Universität, D-3400 Göttingen, Fed. Rep. of Germany

Chiral, double-acitivated enophiles in 1,7-dienes 6a - d undergo thermal and Lewis acid catalyzed intramolecular ene reactions yielding trans-cyclohexanes 7a - d and 8a - d.



6 7 8

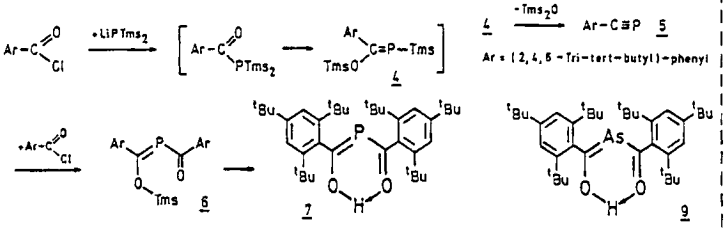
	R^1	R^2
a	CO_2Me	CO_2Me
b	CO_2Et	CO_2Et
c	CN	CN
d	CO_2Me	CN

Tet.Lett.,27,16,1771 (1986)

DI-[(2,4,6-TRI-TERT-BUTYL)-BENZOYL]-PHOSPHAN
DI-[(2,4,6-TRI-TERT-BUTYL)-BENZOYL]-ARSAN
KETO-ENOL-TAUTOMERIE

G. Märkl and H. Sejpka,
Institut für Organische Chemie der Universität Regensburg, Universitätsstraße 31, D-8400 Regensburg

The first synthesis of the title compounds



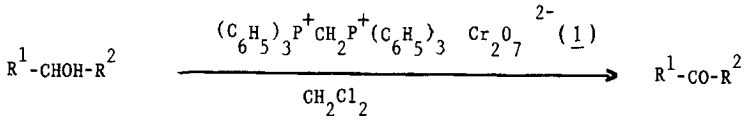
Tet.Lett.,27,16,1775 (1986)

BICHROMATES DE PHOSPHONIUM : REACTIFS D'OXYDATION

Henri-Jean CRISTAU*, Eliane Torreilles*, Philippe Morand et Henri Christol

Laboratoire de Chimie Organique ENSCM, 8, rue de l'Ecole Normale, 34075 - MONTPELLIER (France)

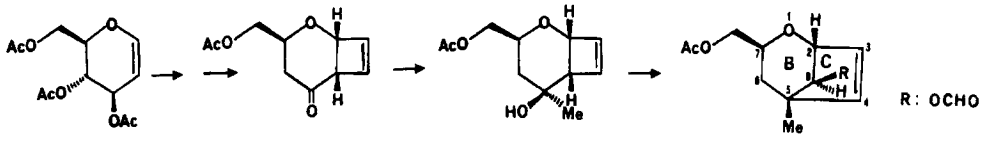
The bisphosphonium bichromate 1, appears as particularly mild ans selective for the oxidation of primary or secondary alcohols.



Tet.Lett.,27,16,1777 (1986)

AN APPROACH TO THE SYNTHESIS OF OPTICALLY ACTIVE TRICHOTHECENES FROM TRI-O-ACETYL-D-GLUCAL

M. FETIZON*, DUC DO KHAC and NGUYEN DINH THO
Laboratoire de Synthèse Organique, Ecole Polytechnique
91128 PALAISEAU Cedex . France



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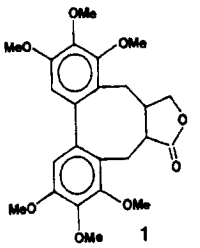
Tet.Lett. 27,16,1781 (1986)

ISOLATION, STEREOCHEMISTRY AND SYNTHESIS OF STEGANOLIDE A, A NEW BISBENZOCYCLOOCTADIENE LIGNANE LACTONE FROM STEGANOTAENIA ARALIACEA HOCHST. (APIACEAE)

M. Taafrout, Y. Landais, J.P. Robin*, and D. Davoust,§
Département Chimie, Institut Universitaire de Technologie et Laboratoire de Synthèse Organique associé au CNRS, Rte de Laval, 72017 Le Mans,
§Laboratoire de Chimie Organique Structurale associé au CNRS
Univ. P. et M. Curie, 4, Pl. Jussieu, 75230 Paris Cedex 05, France

Steganolide A (1) was isolated from the title plant and structure was confirmed by a short biomimetic total synthesis using $Tl(CF_3CO_2)_3$ (TTFA) oxydative coupling of the corresponding dibenzylbutanolide.



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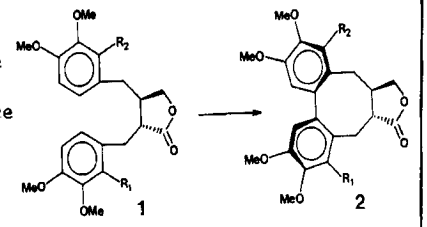
Tet.Lett.,27,16,1785 (1986)

RUTHENIUM(IV) TETRAKIS(TRIFLUOROACETATE), A NEW NON-PHENOLIC OXYDATIVE BIARYL COUPLING CATALYST -FIRST BIOMIMETIC TOTAL SYNTHESIS OF NEOISOSTEGANE-

Y. Landais, J.P. Robin*
Département Chimie, Institut Universitaire de Technologie et Laboratoire de Synthèse Organique associé au CNRS, Université du maine, Route de Laval, 72017 Le Mans, France

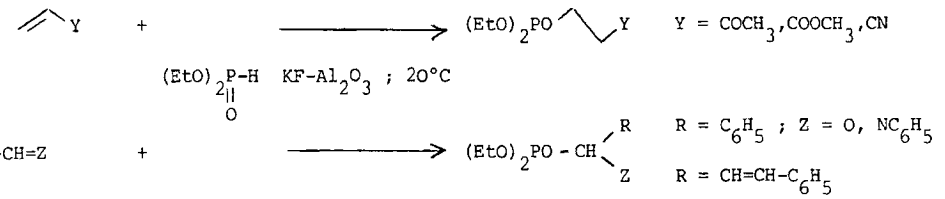
The title *in situ* generated reagent (RUTFA) was founded better than VOF_3, $VOCl_3$ and $Tl(CF_3CO_2)_3$ in non-phenolic oxydative intramolecular biaryl coupling of dibenzyl-butanolides (1) to bridged biaryl lignans (2).



Tet.Lett.,27,16,1789 (1986)

ACTIVATION ANIONIQUE DU PHOSPHITE DE DIETHYLE PAR KF-Al_2O_3

Didier Villemin et Rassem Racha
E.N.S.C.P., 11, rue P. et M. Curie, 75005 Paris, FRANCE

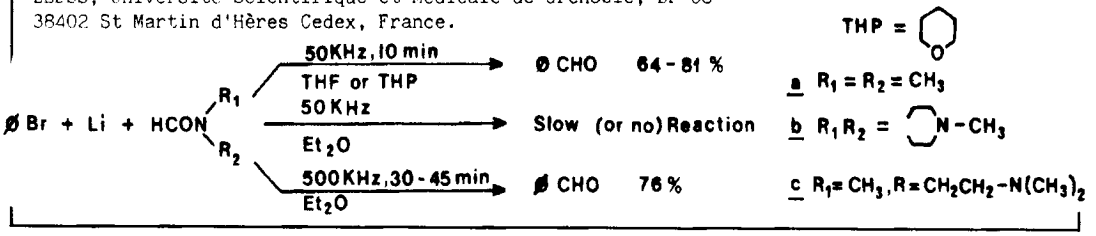


Dry reactions of $(EtO)_2PO$-H with electrophiles on KF-Al_2O_3 conduct to phosphonates

Tet.Lett.,27,16,1791 (1986)

ULTRASOUND IN ORGANIC SYNTHESIS 9.
FURTHER RESULTS FOR THE BOUVEAULT REACTION

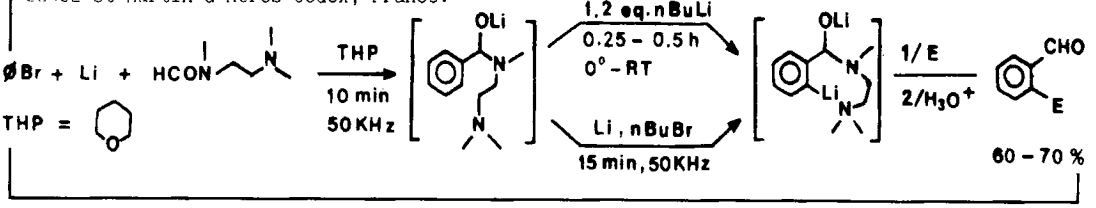
J. Einhorn and J.L. Luche
LEDSS, Université Scientifique et Médicale de Grenoble, BP 68
38402 St Martin d'Hères Cedex, France.



Tet.Lett.,27,16,1793 (1986)

ULTRASOUND IN ORGANIC SYNTHESIS 10.
SELECTIVE ORTHOLITHIATION OF THE BOUVEAULT REACTION INTERMEDIATE

J. Einhorn and J.L. Luche
LEDSS, Université Scientifique et Médicale de Grenoble, BP 68
38402 St Martin d'Hères Cedex, France.



Tet.Lett.,27,16,1809 (1986)

SELECTIVE SYNTHESIS OF TETRAETHYLUREA AND DIETHYLFORMAMIDE WITH CO_2 AND DIETHYLAMINE

Yoshiaki Morimoto, Yuzo Fujiwara,* Hiroshi Taniguchi, Yuji Hori, and Yoshiak Nagano, Department of Applied Chemistry, Faculty of Engineering, Kyushu University, Fukuoka 812, Japan

Selective synthesis of tetraethylurea and diethylformamide from CO_2 and Et_2NH with $PdCl_2(MeCN)_2$ as a common catalyst with the i)PPh_3/MeCN/CCl_4 and ii)HCO_2Na /methyl cellosolve systems, respectively.

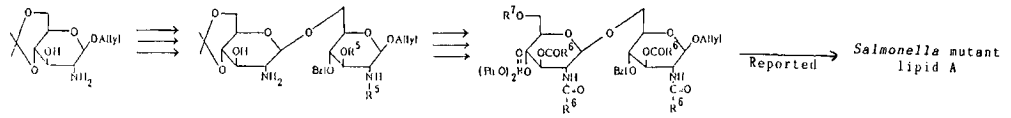
CO_2 + Et_2NH —(i)→ $Et_2NC(O)NEt_2$; —(ii)→ $Et_2NC(O)H$

Tet.Lett.,27,16,1819 (1986)

NEW DEVELOPMENT OF A COMMON GLUCOSAMINE DISACCHRIDE INTERMEDIATE WITH CHEMOSELECTED TWO AMINO AND SIX HYDROXYL GROUPS FOR LIPID A SYNTHESES AND A FORMAL SYNTHESIS OF *SALMONELLA* MUTANT LIPID A.

Toshio Takahashi, Shinichi Nakamoto, Kiyoshi Ikeda, and Kazuo Achiwa*
Shizuoka College of Pharmacy, 2-2-1 Oshika, Shizuoka 422, Japan

A formal synthsis of *Salmonella* mutant lipid A via the novel disaccharide intermediate.



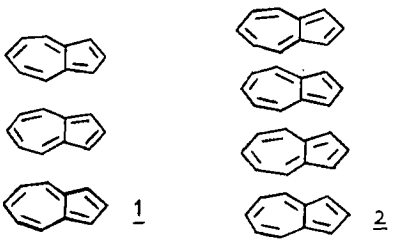
Bzl : $C_6H_5CH_2$, Allyl : CH_2=$CHCH_2$, R^3= TCBOC = $Cl_3CC(CH_3)_2OCO$, R^4= $CH_3(CH_2)_{14}CHCH_2$, R^7= $C_6H_5CH_2OCH_2$ $C_6H_5CH_2O$

Tet.Lett.,27,16,1823 (1986)

THE GOUND-STATE GEOMETRICAL STRUCTURES OF THE TRIPLE-LAYERED AND THE QUADRUPLE-LAYERED syn-AZULENOPHANE

Masahiro Kataoka* and Takeshi Nakajima
Department of Chemistry, Faculty of Science,
Tohoku University, Sendai 980, Japan

The trimer and tetramer model calculations of the triple-layered (1) and the quadruple-layered (2) syn-azulenophane. Every azulene subsystems in 1 and 2 has a bond-alternated structure.

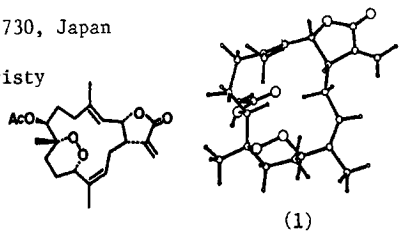


Tet.Lett.,27,16,1825 (1986)

CONFORMATIONAL STUDY OF THE CEMBRANOLIDE DITERPENE DENTICULATOLIDE BY MOLECULAR MECHANICS METHOD

Yoshimasa Fukazawa,* Shuji Usui, and Yasuto Uchio*
Department of Chemistry, Hiroshima University, Hiroshima 730, Japan
Yoshinori Shiobara and Mitsuaki Kodama
Faculty of Pharmaceutical Science, Tokushima-bunri Univeristy
Tokushima 770, Japan

The most stable conformation (1) of a 14-membered monocarbocyclic diterpenoid denticulatolide by molecular mechanics calculation.



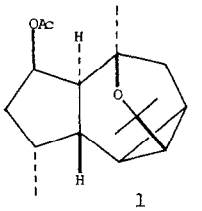
(1)

Tet.Lett.,27,16,1829 (1986)

STRUCTURE OF CYCLOKESSYL ACETATE, A SESQUITERPENOID OF VALERIANA FAURIEI 'HOKKAI-KISSO' ROOTS

Yoshiteru Oshima, Yasuko Hikino and Hiroshi Hikino*
Pharmaceutical Institute, Tohoku University, Aoba-yama, Sendai, Japan

Structure elucidation of cyclokessyl acetate (1) by chemical and spectroscopic evidence, especially by means of two-dimensional NMR correlations.



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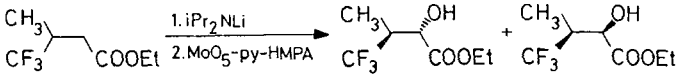
Tet.Lett.,27,16,1833 (1986)

TRIFLUOROMETHYL GROUP INDUCED HIGHLY STEREOSELECTIVE SYNTHESIS OF α-HYDROXY CARBONYL COMPOUNDS

Y. Morizawa, A. Yasuda, and K. Uchida
Research & Development Division, Asahi Glass Co., Ltd.,
Hazawa, Kanagawa-ku, Yokohama 221, Japan



Tet.Lett.,27,16,1841 (1986)

ADDITION OF TRIMETHYLSILYL CYANIDE TO ALLENES WITH THE AID OF A PALLADIUM OR NICKEL CATALYST

Naoto Chatani*, Takumi Takeyasu, and Terukiyo Hanafusa
The Institute of Scientific and Industrial Research, Osaka University, Ibaraki, 567, Japan

A new synthesis of functionalized vinylsilanes