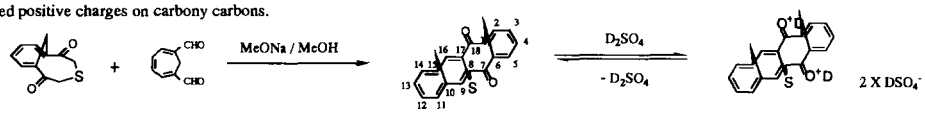
Tetrahedron Letters, **1997**, *38*, 8291

SYNTHESIS AND PROPERTIES OF *anti, anti*-8,17-EPITHIA-1,6;10,15-BIS-METHANO[18]ANNULENE-7,18-DIONE AND ITS DICATIONIC SPECIES

Shigeyasu Kuroda,* Mitsunori Oda,* Shin-ya Kuramoto, Atsushi Fukuta, Yoshihiro Mizukami, Yoshihiko Nozawa, Ryuta Miyatake, Mayumi Izawa, and Ichiro Shimao.
Department of Applied Chemistry, Faculty of Engineering, Toyama University, Gofuku 3190, Toyama 930, Japan

The titled quinone compound has been synthesized, and its ^{1}H and ^{13}C NMR spectra in D_2SO_4 indicate that the cationic species formed by protonation has localized positive charges on carbony carbons.

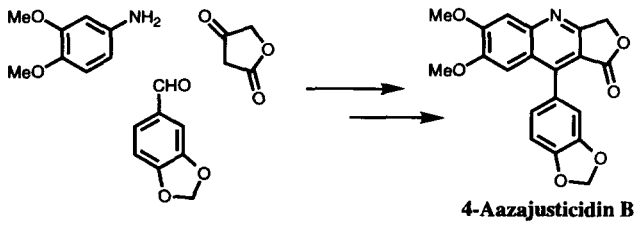


Tetrahedron Letters, **1997**, *38*, 8295

A FACILE SYNTHESIS OF THE 4-AZA-ANALOGS OF 1-ARYLNAPHTHALENE LIGNANS CHINENSIN, JUSTICIDIN B, AND TAIWANIN C

Yukio Hitotsuyanagi, Masatsugu Kobayashi, Masamoto Fukuyo, Koichi Takeya and Hideji Itokawa*

Tokyo University of Pharmacy and Life Science, 1432-1 Horinouchi, Hachioji, Tokyo 192-03, Japan

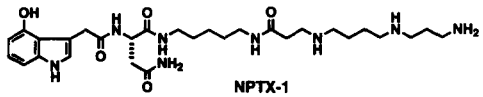


4-Aazajusticidin B

Tetrahedron Letters, **1997**, *38*, 8297

TOTAL SYNTHESIS OF NEPHILATOXIN-1 (NPTX-1), A JORO SPIDER (*Nephila clavata*) TOXIN HAVING A 4-HYDROXYINDOLE NUCLEUS

Masaaki Miyashita,[a] Hiroaki Saito,[a] Masayuki Matsushita,[a] Masahiro Miyazawa,[a] Yasuhiro Itagaki,[b] and Terumi Nakajima[b]
[a]Division of Chemistry, Graduate School of Science, Hokkaido University, Sapporo 060, Japan
[b]Suntory Institute for Bioorganic Research, Wakayamadai, Shimamoto-cho, Osaka 618, Japan



NPTX-1

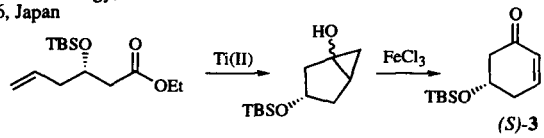
The first total synthesis of NPTX-1 has been achieved by using two key azide intermediates.

Tetrahedron Letters, **1997**, *38*, 8299

EFFICIENT AND PRACTICAL SYNTHESIS OF OPTICALLY ACTIVE 5-*t*-BUTYLDIMETHYLSILOXY-2-CYCLOHEXENONE AS A CONVENIENT CHIRAL 2,5-CYCLOHEXADIENONE SYNTHON

Shinichi Hikichi, Georges P-J. Hareau and Fumie Sato*
Department of Biomolecular Engineering, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa 226, Japan

The optically active compound **3** was readily prepared in excellent overall yield from the ethyl[*(3S)-t*-butyl dimethylsiloxy]hex-5-enoate, both enantiomers of which can be readily synthesised from the commercially available starting material.



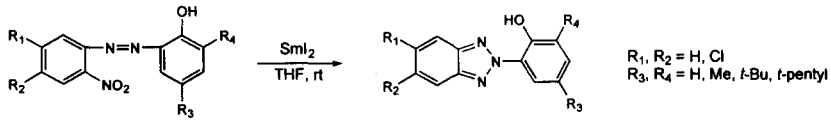
(S)-**3**

Tetrahedron Letters, **1997**, *38*, 8303

REDUCTIVE CYCLIZATION OF *O*-NITROPHENYLAZOBENZENES TO 2-ARYL-2*H*-BENZOTRIAZOLES BY SmI_2

Byeong Hyo Kim,* Sun Kyong Kim, Yoon Seok Lee, Young Moo Jun, Woonphil Baik,[a] and Byung Min Lee,[b] Department of Chemistry, Kwangwoon University, Seoul, 139-701, Korea. [a]Department of Chemistry, Myong Ji University, Korea. [b]KRICT, Korea.

In a mild reaction with SmI_2, ortho-nitro substituted phenylazobenzenes have been converted into 2-aryl-2H-benzotriazoles.

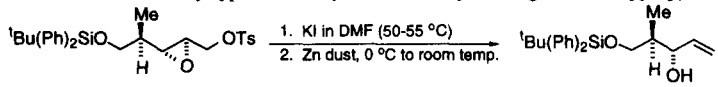


Tetrahedron Letters, **1997**, *38*, 8307

ONE-POT TRANSFORMATION OF *p*-TOLUENESULFONATES OF 2,3-EPOXY ALCOHOLS INTO ALLYLIC ALCOHOLS

Hiromu Habashita, Takeshi Kawasaki, Masako Akaji, Hirokazu Tamamura, Tetsutaro Kimachi, Nobutaka Fujii, and Toshiro Ibuka
Graduate School of Pharmaceutical Sciences, Kyoto University, Sakyo-ku, Kyoto 606-01, Japan

A convenient and efficient method for the synthesis of allylic alcohols from *p*-toluenesulfonates of 2,3-epoxy alcohols is described. The method has been successfully applied to the synthesis of a key building block of C_{30}-C_{37} botryococcenes.

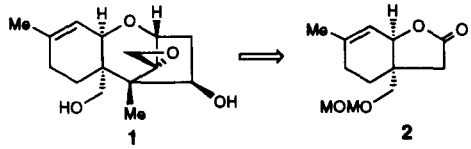


Tetrahedron Letters, **1997**, *38*, 8311

TOTAL SYNTHESIS OF (-)-VERRUCAROL, A COMPONENT OF NATURALLY OCCURRING VERRUCARIN A

Jun Ishihara, Rie Nonaka, Yuki Terasawa, Ryota Shiraki, Kazuo Yabu, Hiromi Kataoka, Yuichi Ochiai, and Kin-ichi Tadano*
Department of Applied Chemistry, Keio University, Hiyoshi, Kohoku-ku, Yokohama 223, Japan

Total synthesis of (-)-verrucarol (**1**), a trichotecene sesquiterpenoid, was accomplished starting from the D-glucose-derived compound **2**.

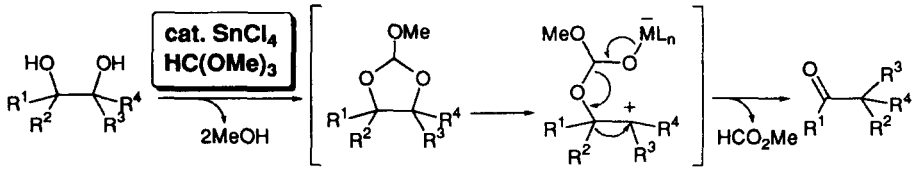


1 **2**

Tetrahedron Letters, **1997**, *38*, 8315

EFFICIENT PINACOL REARRANGEMENT MEDIATED BY TRIMETHYL ORTHOFORMATE

Yasuyuki Kita,* Yutaka Yoshida, Sachiko Mihara, Dai-Fei Fang, Kazuhiro Higuchi, Akihiro Furukawa and Hiromichi Fujioka
Faculty of Pharmaceutical Sciences, Osaka University, 1-6, Yamada-oka, Suita, Osaka, 565, Japan

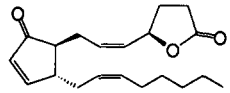


Tetrahedron Letters, **1997**, *38*, 8319

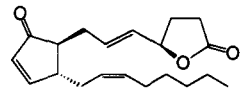
NEW MARINE PROSTANOIDS, PRECLAVULONE LACTONES, FROM THE OKINAWAN SOFT CORAL *CLAVULARIA VIRIDIS*

Makoto Iwashima, Kinzo Watanabe and Kazuo Iguchi,* School of Life Science, Tokyo University of Pharmacy and Life Science, Horinouchi, Hachioji, Tokyo 192-03, JAPAN

Two new marine prostanoids, preclavulone lactones I and II were isolated from the Okinawan soft coral, *Clavularia viridis*. Their structures were determined based on spectroscopic analysis and chemical synthesis.



preclavulone lactone I



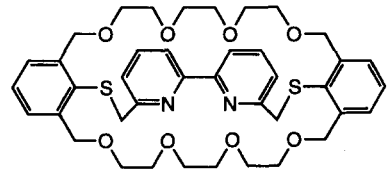
preclavulone lactone II

Tetrahedron Letters, **1997**, *38*, 8323

HIGHLY SELECTIVE TRANSPORT OF Ag^+ BY A MACROBICYCLIC HOST CONTAINING A BIPYRIDINE MOIETY

Tatsuya Nabeshima,* Taizo Aoki,† and Yumihiko Yano†
*Department of Chemistry, University of Tsukuba, Tsukuba, Ibaraki 305, Japan
† Department of Chemistry, Gunma University, Kiryu, Gunma 376, Japan

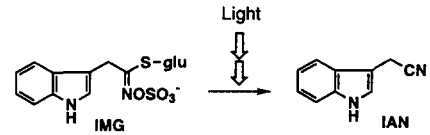
A macrocyclic polyether bridged by 2,2'-bipyridine group was synthesized and found to exhibit a very high Ag^+ ion selectivity compared to heavy metal ions in transport through an organic liquid membrane.



Tetrahedron Letters, **1997**, *38*, 8327

LIGHT-INDUCED AUXIN-INHIBITING SUBSTANCE FROM CABBAGE (*BRASSICA OLEACEA* L.) SHOOTS

Seiji Kosemura,*[a] Kazuki Niwa,[a] Hideyuki Emori,[a]
Kaori Yokotani-Tomita,[b] Koji Hasegawa[b] and Shosuke Yamamura*[a]
[a]Department of Chemistry, Faculty of Science and Technology,
Keio University, Hiyoshi, Yokohama 223, Japan
[b]Institute of Applied Biochemistry, University of Tsukuba, Ibaragi, 305 Japan



A light-induced auxin-inhibitory substance, indolylacetonitrile (IAN), was isolated from cabbage (*Brassica olearea* L.) shoots. The IAN content in cabbage shoots increased in responce to light. Cabbege hypocotyl elongation is inhibited by 10^{-5}M of IAN in 90 min but promoted after 48 hr.

Tetrahedron Letters, **1997**, *38*, 8331

A VERY CONVENIENT DIMETHYLAMINATION OF ACTIVATED AROMATIC HALIDES USING N,N-DIMETHYLFORMAMIDE AND ETHANOLAMINES

Yoon Hwan Cho and Jae Chan Park*
Process Chemistry Group, Hanhyo Institutes of Technology,
Jeonmin-dong 461-6, Yuseong, Taejeon 305-390, Korea

$$\text{Ar-X} \xrightarrow[\text{DMF (100 - 130°C)}]{\text{diethanolamine(2.5eq.)}} \text{Ar-N(CH}_3\text{)}_2 \quad 80 - 92\%$$

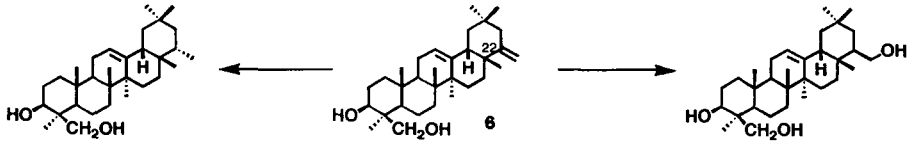
(Ar-X = p-nitrochlorobenzene, 2-halopyridines, 2-chloroquinoline, 2-chloropyrimidine)

Tetrahedron Letters, **1997**, *38*, 8335

EFFICIENT SYNTHESIS OF C(22) HOMOLOGOUS DERIVATIVES OF HEPATOPROTECTIVE SOYASAPOGENOL B

Kazue Sasaki, Nobuto Minowa*, Hiroyuki Kuzuhara, Shoji Nishiyama, and Shoji Omoto
Pharmaceutical Research Center, Meiji Seika Kaisha, Ltd., 760 Morooka-cho, Kohoku-ku, Yokohama 222, Japan

Stereochemical behavior in the addition reactions at C(22) of ketone **5** and exomethylene **6** was studied.

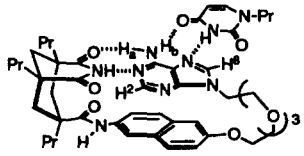


Tetrahedron Letters, **1997**, *38*, 8337

SYNTHESIS OF A AT BASE PAIR MODEL IN DNA AND DETERMINATION OF HYDROGEN BONDING STRENGTH ON THE FORMATION OF BASE TRIPLET T:AT IN $CDCl_3$

Young Lag Cho and Kyu-Sung Jeong*
Department of Chemistry, Yonsei University
Seoul 120-749, Korea

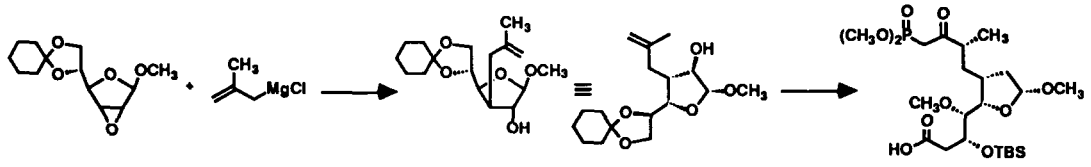
The hydrogen bonding strength between AT and T(U) has been determined using a synthetic AT base pair model.



Tetrahedron Letters, **1997**, *38*, 8341

PREPARATION OF THE C1~C10 FRAGMENT OF CARBONOLIDE B. A RELAY APPROACH TO CARBOMYCIN B

Takaaki Shimura, Chiyoko Komatsu, Masakazu Matsumura, Yuzo Shimada, Kazuo Ohta, and Oyo Mitsunobu*, Department of Chemistry, College of Science and Engineering, Aoyama Gakuin University, 6-16-1 Chitosedai, Setagayaku, Tokyo 157, Japan

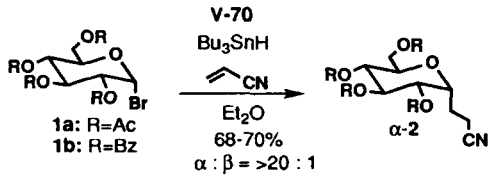


Tetrahedron Letters, **1997**, *38*, 8345

A HIGHLY STEREOSELECTIVE SYNTHESIS OF α-LINKED *C*-GLYCOPYRANOSIDES USING 2,2′-AZOBIS-(2,4-DIMETHYL-4-METHOXYVALERONITRILE) (V-70)

Yasuyuki Kita*[a], Kentoku Gotanda[a], Atsunori Sano[b], Masahisa Oka[b], Kenji Murata[a], Miki Suemura[a] and Masato Matsugi[a]

[a]Faculty of Pharmaceutical Sciences, Osaka University, 1-6 Yamada-oka, Suita, Osaka 565, Japan
[b]Tokyo Research Laboratories, Wako Pure Chemical Industries, Ltd., 1633, Matoba, Kawagoe, Saitama 350-11, Japan



α-Linked *C*-glycopyranosides were obtained effectively by the radical addition reaction using V-70, an effective radical initiator under mild conditions.

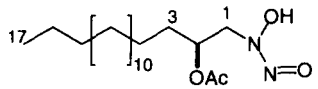
Tetrahedron Letters, **1997**, *38*, 8349

POECILLANOSINE, A NEW FREE RADICAL SCAVENGER FROM MARINE SPONGE *POECILLASTRA* SPEC. AFF. *TENUILAMINARIS*.

T. Natori*[1], Y. Kataoka[1], S. Kato[1], H. Kawai[1], and N. Fusetani*[2]

[1]*Pharmaceutical Research Laboratory, Kirin Brewery Co., Ltd., Takasaki, Gunma 370-12*

[2]*Laboratory of Aquatic Natural Products Chemistry, Graduate School of Agricultural and Life Sciences, University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113, Japan*

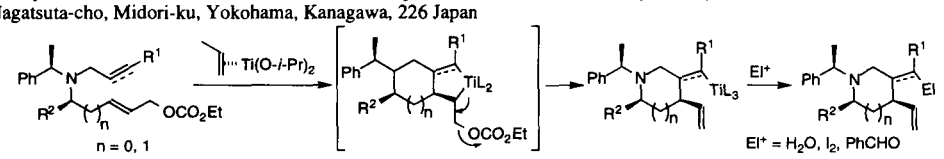


Poecillanosine

Tetrahedron Letters, **1997**, *38*, 8351

STEREOSELECTIVE SYNTHESIS OF OPTICALLY ACTIVE SUBSTITUTED PIPERIDINES AND PYRROLIDINES FROM AMINO ACID DERIVATIVES BY TITANIUM(II)-MEDIATED INTRAMOLECULAR CYCLIZATION REACTION.

Yuuki Takayama, Sentaro Okamoto and Fumie Sato* Department of Biomolecular Engineering, Tokyo Institute of Technology, 4259, Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa, 226 Japan

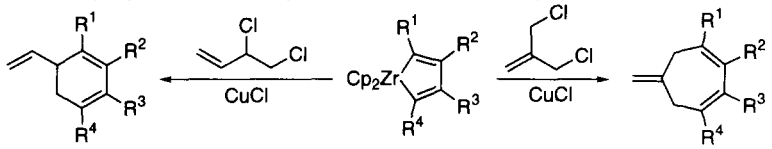


Tetrahedron Letters, **1997**, *38*, 8355

TANDEM INTER-INTRAMOLECULAR ALLYLATION OF ZIRCONACYCLOPENTADIENES: PATHWAY TO VINYLCYCLOHEXADIENES AND METHYLENECYCLOHEPTADIENES

Martin Kotora, Chisato Umeda, Toyohisa Ishida and Tamotsu Takahashi*; *Catalysis Research Center and Graduate School of Pharmaceutical Sciences, Hokkaido University, Kita-ku, Sapporo 060 Japan*

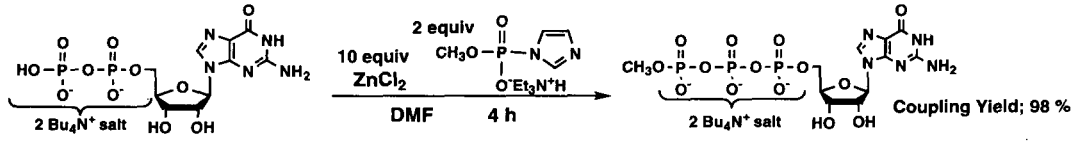
Copper-catalyzed or -mediated reaction of zirconacyclopentadienes with allylic dichlorides afforded vinylcyclohexadienes or methylenecycloheptadienes.



Tetrahedron Letters, **1997**, *38*, 8359

EFFICIENT SYNTHESIS OF γ-METHYL-CAPPED GUANOSINE 5'-TRIPHOSPHATE AS A 5'-TERMINAL UNIQUE STRUCTURE OF U6 RNA *via* A NEW TRIPHOSPHATE BOND FORMATION INVOLVING ACTIVATION OF METHYL PHOSPHORIMIDAZOLIDATE USING $ZnCl_2$ AS A CATALYST IN DMF UNDER ANHYDROUS CONDITIONS

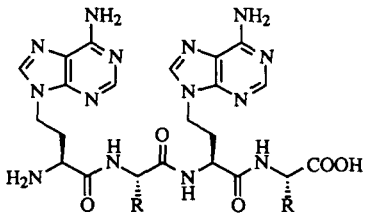
Michinori Kadokura, Takeshi Wada, Chihiro Urashima and Mitsuo Sekine*, Department of Life Science, Faculty of Bioscience and Biotechnology, Tokyo Institute of Technology, Nagatsuta, Midoriku, Yokohama 226, Japan



Tetrahedron Letters, **1997**, *38*, 8363

DINUCLEOTIDE-ANALOGOUS TETRAPEPTIDES. SPECIFIC TRIPLEX FORMATION WITH COMPLEMENTARY POLYNUCLEOTIDES

Takahisa Yamazaki,[†] Kazunori Komatsu,[†] Hiroki Umemiya,[†]
Yuichi Hashimoto,[‡] Koichi Shudo,[†] and Hiroyuki Kagechika*[†]
[†]*Faculty of Pharmaceutical Sciences, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113, Japan, and* [‡]*Institute of Molecular and Cellular Biosciences, University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113, Japan*

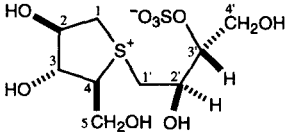


Several tetrapeptides having two adenyl moieties at the side chains formed stable triplexes with poly (dT) or poly (U).

Tetrahedron Letters, **1997**, *38*, 8367

SALACINOL, POTENT ANTIDIABETIC PRINCIPLE WITH UNIQUE THIOSUGAR SULFONIUM SULFATE STRUCTURE FROM THE AYURVEDIC TRADITIONAL MEDICINE *Salacia reticulata* IN SRI LANKA AND INDIA.

Masayuki Yoshikawa,[a,*] Toshiyuki Murakami,[a] Hiromi Shimada,[a] Hisashi Matsuda,[a] Johji Yamahara,[b] Genzou Tanabe,[c] and Osamu Muraoka[c] *Kyoto Pharmaceutical University,*[a] *5 Nakauchi-cho, Misasagi, Yamashina-ku, Kyoto 607, Japan, Research Institute for Production Development,*[b] *15, Morimoto-cho, Shimogamo, Sakyo-ku, Kyoto 606, Japan, and Faculty of Pharmaceutical Sciences, Kinki University,*[c] *and 3-4-1, Kowakae, Higashiosaka, Osaka 577, Japan*

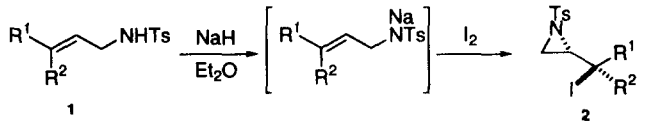


A most potent natural α-glucosidase inhibitor, salacinol, was isolated from an Ayurvedic traditional medicine *Salacia reticulata*. The stereostructure of salacinol was determined by the X-ray crystallographic analysis, which showed the unique spiro-like configuration of the inner salt comprised of 1-deoxy-4-thioarabinofuranosyl sulfonium cation and 1'-deoxyerythrosyl-3'-sulfate anion.

Tetrahedron Letters, **1997**, *38*, 8371

NaH-MEDIATED IODOAZIRIDINATION REACTION OF N-ALLYLIC TOSYLAMIDES

Osamu Kitagawa, Takashi Suzuki and Takeo Taguchi*
Tokyo University of Pharmacy and Life Science, 1432-1 Horinouchi, Hachioji, Tokyo 192-03, Japan

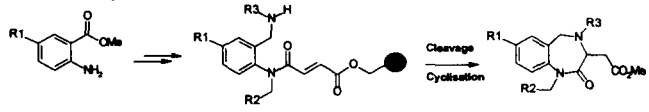


Tetrahedron Letters, **1997**, *38*, 8375

SOLID-PHASE SYNTHESIS OF DIVERSE TETRAHYDRO-1,4-BENZODIAZEPINE-2-ONES.

Gurdip Bhalay,* Paul Blaney, Vanessa H. Palmer and Anthony D. Baxter, Oxford Diversity A Division of Oxford Asymmetry, 57 Milton Park, Abingdon, Oxon, OX14 4RX, UK.

A general procedure for the synthesis of tetrahydro-1,4-benzodiazepine-2-ones on solid-phase has been devised, starting from commercially available anthranilic esters.

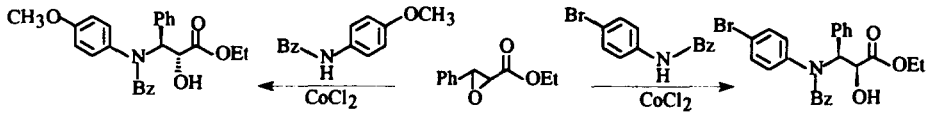


Tetrahedron Letters, **1997**, *38*, 8379

A Remarkable Stereocontrol During Cobalt (II) chloride Catalysed Opening of Cinnamoyl Epoxides with N - Substituted Anilines.

Asit De, Shubhajit Ghosh and Javed Iqbal*
Department of Chemistry, Indian Institute of Technology, Kanpur, 208016. India.

The stereochemistry of the cobalt (II) chloride catalysed-opening of cinnamoyl epoxide with N - substituted anilines is controlled by the para substituent of the aromatic ring directly attached to nitrogen.

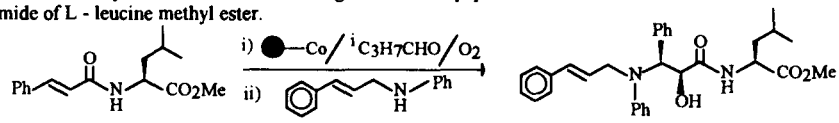


Tetrahedron Letters, **1997**, *38*, 8383

Polyaniline Supported Cobalt Catalysed one pot Stereoselective Synthesis of the Structural Analogues of Aminopeptidase Inhibitor *Bestatin*

Asit De, Prakriti Basak and Javed Iqbal*
Department of Chemistry, Indian Institute of Technology, Kanpur, 208016. India.

A one pot stereoselective synthesis of structural analogues of aminopeptidase inhibitor bestatin was achieved from the cinnamoyl amide of L - leucine methyl ester.

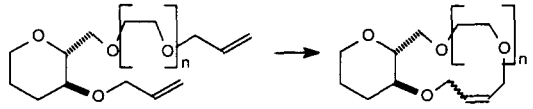


Tetrahedron Letters, **1997**, *38*, 8387

ORTHO-CONDENSED OXANE/POLYOXYGENATED MACRORINGS BY RUTHENIUM-CATALYZED RING CLOSING METATHESIS

Mercedes Delgado and Julio D. Martín* Instituto de Investigaciones Químicas, CSIC, Americo Vespucio, s/n, Isla de La Cartuja, 41092 Sevilla, Spain

A highly flexible and versatile method for the construction of macrocyclic polyethers and related systems is described.

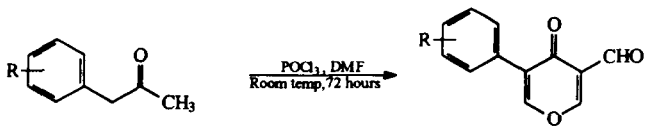


Tetrahedron Letters, **1997**, *38*, 8391

REACTIONS OF 1-ARYL-2-PROPANONES WITH CHLORO-METHYLENEIMINIUM SALT.

Josemin, K.N. Nirmala and C. V. Asokan* School of Chemical Sciences, Mahatma Gandhi University, Kottayam-686560, India.

The reaction of benzyl alkyl ketones with chloromethyleneiminium salt prepared from POCl3 and DMF lead to the formation of 4-pyrones. 3-Formyl-4-pyrones could be prepared in good yields from benzyl methyl ketones.

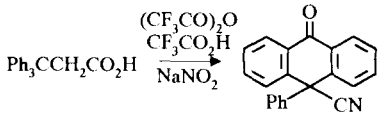


Tetrahedron Letters, **1997**, *38*, 8395

A Novel One-Step Conversion of 3,3,3-Triphenylpropionic Acid To 10-Cyano-10-phenyl-9-anthrone.

Y.I. Smushkevich, V.Y. Smushkevich and P. G. Kislitsin, Department of Organic Chemistry, D. Mendeleev University of Russia, Miusskaja 9, Moscow, 125 047 Russia

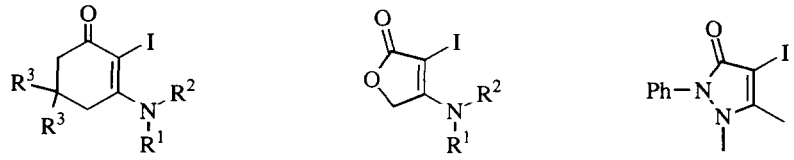
Reaction of 3,3,3-triphenylpropionic acid with $(CF_3CO)_2O$ and $NaNO_2$ led to 10-cyano-10-phenyl-9-anthrone



Tetrahedron Letters, **1997**, *38*, 8397

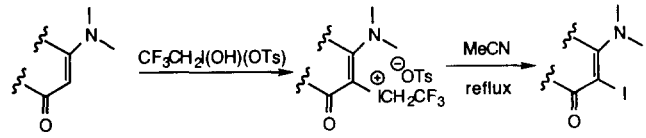
α-IODINATION OF ENAMINONES WITH BIS(PYRIDINE)-IODONIUM(I) TETRAFLUOROBORATE. Pedro J. Campos,*
Joaquín Arranz, Miguel A. Rodríguez, Departamento de Química, Universidad de La Rioja, 26071 Logroño, Spain

Primary, secondary and tertiary enaminones react with $I(py)_2BF_4$ to give α-iodo enaminones in almost quantitative yields.



Tetrahedron Letters, **1997**, *38*, 8401

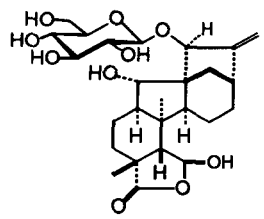
NOVEL TRIFLUOROETHYLIODONIUM SALTS FROM CYCLIC ENAMINONES AND THEIR THERMAL DECOMPOSITION
Ioannis Papoutsis[a], Spyros Spyroudis[a]*, Anastasios Varvoglis[a]*,
Jeffrey A. Callies[b] and Viktor V. Zhdankin[b]
[a]Lab. of Organic Chemistry, Chemistry Department, University of Thessaloniki 54006, Greece.
[b]Department of Chemistry, University of Minnesota-Duluth, Duluth MN 55812, USA.



Tetrahedron Letters, **1997**, *38*, 8405

A NOVEL DITERPENE GLYCOSIDE FROM THE SEEDS OF *ACACIA FARNESIANA*
Niranjan P. Sahu,*[1] Kazuo Koike,[2] Sukdeb Banerjee,[1]
Basudeb Achari,[1] Zhonghua Jia,[2] and Tamotsu Nikaido*[2]
[1]Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road
Calcutta-700032, India; [2]School of Pharmaceutical Sciences
Toho University, 2-2-1 Miyama, Funabashi, Chiba 274, Japan

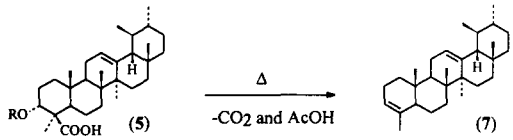
Structure of farnesiaside, the glycoside of a diterpene bearing a novel skeleton [formally a 7(6→1)-*abeo-ent*-kaurene], has been deduced from spectral studies.



Tetrahedron Letters, **1997**, *38*, 8409

CHEMICAL EVIDENCE FOR ARCHAEOLOGICAL FRANKINCENSE: BOSWELLIC ACIDS AND THEIR DERIVATIVES IN SOLVENT SOLUBLE AND INSOLUBLE FRACTIONS OF RESIN-LIKE MATERIALS. Pim F. van Bergen, Torren M. Peakman, Elizabeth C. Leigh-Firbank and Richard P. Evershed, School of Chemistry, University of Bristol, Cantock's Close, Bristol BS8 1TS, UK.

α- and β-boswellic acids and their acetate derivatives dominated the solvent extracts. The corresponding hydrocarbon dienes were detected upon pyrolysis of the insoluble residues.



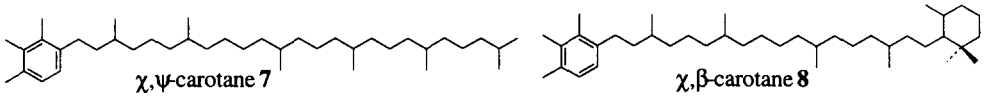
Tetrahedron Letters, **1997**, *38*, 8413

NOVEL AROMATIC CAROTENOID DERIVATIVES FROM SULFUR PHOTOSYNTHETIC BACTERIA IN SEDIMENTS

Philippe Schaeffer, Pierre Adam, Patrick Wehrung and Pierre Albrecht.

Laboratoire de Géochimie Organique, URA 31 du CNRS, Institut de Chimie, Université Louis Pasteur, 1 rue Blaise Pascal, 67000 Strasbourg, France.

Aromatic hydrocarbons **7** and **8** likely to originate from unreported carotenoids of *Chromatiaceae* have been identified in a lake sediment by synthesis. They represent potential indicators of photic zone anoxia in ancient ecosystems.

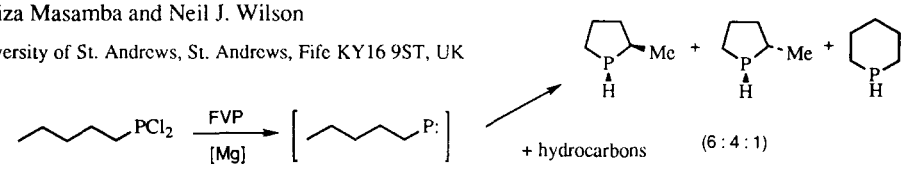


Tetrahedron Letters, **1997**, *38*, 8417

FLASH VACUUM PYROLYSIS OF DICHLORO-PHOSPHINES OVER MAGNESIUM: GENERATION AND REACTIVITY OF SIMPLE PHOSPHINIDENES

R. Alan Aitken,* Wayiza Masamba and Neil J. Wilson

School of Chemistry, University of St. Andrews, St. Andrews, Fife KY16 9ST, UK



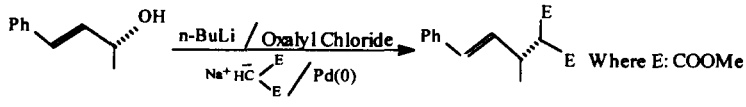
Tetrahedron Letters, **1997**, *38*, 8421

PALLADIUM CATALYSED ALLYLIC SUBSTITUTION VIA IN SITU ACTIVATION OF ALLYLIC ALCOHOLS.

R. Kumareswaran and Yashwant D. Vankar*

Department of Chemistry, Indian Institute of Technology, Kanpur-208 016, India.

In-situ activation of allylic acohols by oxalyl chloride (or hexachlorophosphazene) followed by Pd(0) catalysed reactions with lithio dimethyl malonate leads to regio and stereoselctive alkylations in good yields.



Tetrahedron Letters, **1997**, *38*, 8425

A NEW SYNTHESIS OF CARMETHIZOLE AND RELATED NITROGEN ANALOGUES. Michael P. Hay* and William A. Denny,
Cancer Society Research Laboratory, University of Auckland School of Medicine, Private Bag 92019, Auckland, New Zealand.

A new efficient six-step synthesis of carmethizole, a novel bis-carbamate alkylating agent, and syntheses of related nitrogen analogues are described, using a key 4,5-substituted imidazole intermediate **8**.

5 **8**

1 R = SMe
12 R = N_3
16 R = $N(CO_2tBu)_2$

Tetrahedron Letters, **1997**, *38*, 8429

Intramolecular Homolytic Substitution at Tellurium: Preparation of a Dihydrotellurophene by Alkyltelluride-Mediated $S_{RN}1$ / S_{Hi} Reactions. Melissa J. Laws and Carl H. Schiesser*
School of Chemistry, The University of Melbourne, Parkville, Victoria, Australia, 3052

Reaction of 1-methyl-1-(2-iodophenyl)oxirane (**4**) with sodium butyltelluroate (NaTeBu) in THF affords the benzo[b]tellurophene (**6**) in 57% yield through a tandem $S_{RN}1$ / S_{Hi} sequence.