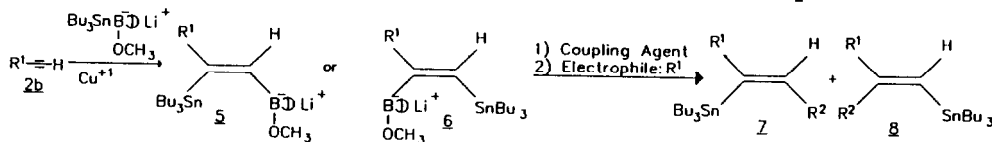


STANNYLBORONATION OF 1-ALKYNES, S. Sharma and A.C. Oehlschlager, Dept. of Chemistry, S.F.U., Burnaby, B.C., Canada V5A 1S6.

Tetrahedron Lett. 29, 261 (1988)

Cu⁺ catalyzed addition of Bu₃Sn⁺B(OCH₃)₂Li⁻ to 1-alkynes yields **5** and **6** which may be selectively coupled with electrophiles at the vinyl-boron bond.

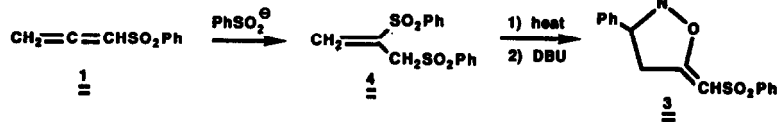


USE OF 2,3-(DIPHENYLSULFONYL)-1-PROPENE AS AN ALLENE EQUIVALENT IN CYCLOADDITION CHEMISTRY

Tetrahedron Lett. 29, 265 (1988)

Albert Padwa*, Donald N. Kline and Bryan H. Norman
Department of Chemistry, Emory University, Atlanta, GA 30322 USA

The cycloaddition chemistry of 2,3-(diphenylsulfonyl)-1-propene with several nitrones has been investigated. The reagent formally corresponds to an allene equivalent.



CONFORMATIONAL CONSEQUENCES OF INTRAMOLECULAR CYCLOPROPANATION WITHIN SMALL BICYCLIC SYSTEMS. SYNTHESIS AND DESYMMETRIZATION OF 1-METHYLTRICYCLO[2.2.2.0^{2,6}]OCTANE-3,5-DIONE.

Tetrahedron Lett. 29, 269 (1988)

Marc-André Poupart and Leo A. Paquette*

Evans Chemical Laboratories, The Ohio State University, Columbus, Ohio 43210 USA

The title diketone has been prepared, shown to capture nucleophiles stereospecifically, and converted to the alcohol shown.



RAPID CONSTRUCTION OF THE TETRACYCLIC NUCLEUS OF CERORUBENIC ACID-III BY OXYANIONIC COPE CHEMISTRY

Tetrahedron Lett. 29, 273 (1988)

Leo A. Paquette,* and Marc-André Poupart

Evans Chemical Laboratories, The Ohio State University, Columbus, OH 43210 USA

Oxyanionic Cope rearrangement of the dienol gives the tricyclic ketone to which a six-membered ring is annulated.

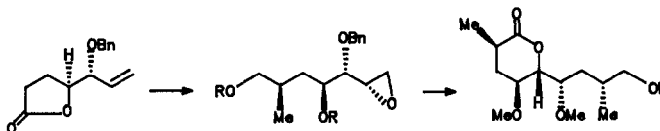


Tetrahedron Lett. 29,277 (1988)

A DIASTEREOSPECIFIC, NON-RACEMIC SYNTHESIS OF THE C.10-C.18*SEGMENT OF FK-506

D. Askin, R.P. Volante, R.A. Reamer, K. Ryan and I. Shinkai
Merck Sharp and Dohme Research Laboratories, Rahway, N.J. 07065

An efficient, stereo-controlled route to the C.10-C.18 moiety of FK-506 is reported.

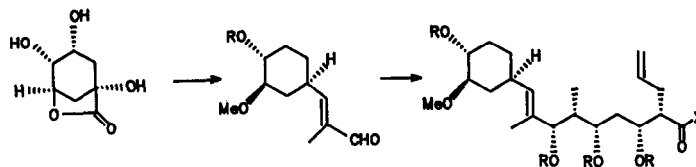


Tetrahedron Lett. 29,281 (1988)

DIASTEREOSPECIFIC, NON-RACEMIC SYNTHESIS OF THE C.20-C.34 SEGMENT OF THE NOVEL IMMUNOSUPPRESSANT FK-506

S. Mills, R. Desmond, R.A. Reamer, R.P. Volante and I. Shinkai
Merck Sharp and Dohme Research Laboratories, Rahway, N.J. 07065

An efficient, stereo-controlled route to the C.20-C.34 segment of FK-506 is reported.

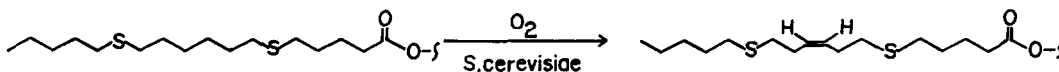


Tetrahedron Lett. 29,285 (1988)

MICROBIAL DEHYDROGENATION OF A DITHIA-ANALOGUE OF STEARIC ACID

Peter H. Buist* and H. Garry Dallmann
The Ottawa-Carleton Institute for Research and Graduate Studies, Carleton University,
Ottawa, Ontario, Canada K1S 5B6

Methyl 6,13-dithiastearate is dehydrogenated by *S. cerevisiae* to yield a 6,13-dithiooleate derivative.

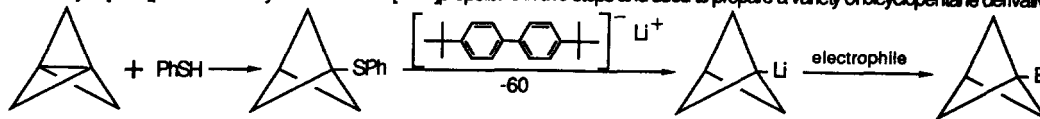


Tetrahedron Lett. 29,289 (1988)

Formation and Reactions of 1-Lithiobicyclo[1.1.1]pentane

Kenneth B. Wberg and Sherman T. Waddell
Department of Chemistry, Yale University, New Haven, CT 06511 USA

1-lithiobicyclo[1.1.1]pentane was synthesized from [1.1.1]propellane in two steps and used to prepare a variety of bicyclopentane derivatives.

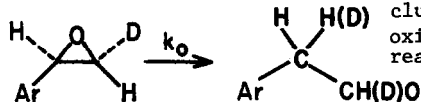


MECHANISM OF THE "SPONTANEOUS" REACTION OF P-METHOXY-STYRENE OXIDE IN AQUEOUS SOLUTION

Victoria C. Ukachukwu and Dale L. Whalen*

Department of Chemistry, University of Maryland Baltimore County, Baltimore, MD 21228

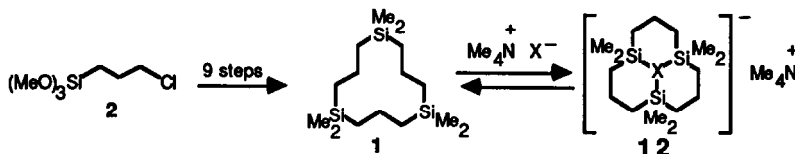
The "spontaneous" or " k_0 " reaction of *p*-methoxy-*trans*- β -deutero-styrene oxide to *p*-methoxyphenylacetaldehyde- d_1 in 1:9 dioxane(dg)-water was studied by ^1H NMR. It is concluded that the *trans*- β -H and *cis*- β -H of *p*-methoxystyrene oxide have equal migrating aptitudes in the aldehyde-forming reaction.



SYNTHESIS AND TRANSPORT PROPERTIES OF 12-SILACROWN-3, A NEW TYPE OF ANION COMPLEXING AGENT

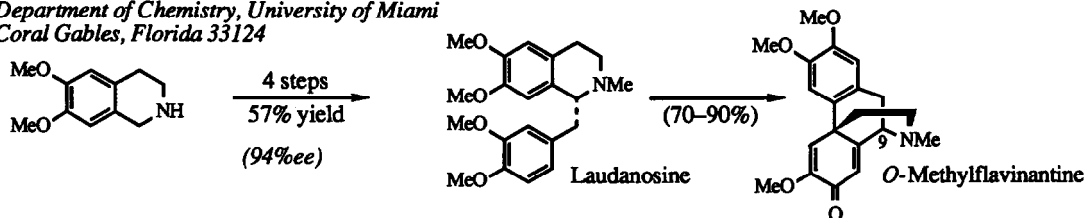
Michael E. Jung* and Haiji Xia, Department of Chemistry, University of California, Los Angeles, CA 90024

Compound 1, 1,1,5,5,9,9-hexamethyl-1,5,9-trisilacyclododecanone, has been prepared in 9 steps from commercially available 2. It transports tetramethylammonium bromide and chloride from one aqueous solution to another, presumably via formation of a complex like 12.



SYNTHESIS OF R-LAUDANOSINE AND 9-R-O-METHYL-FLAVINANTINE BY ASYMMETRIC ALKYLATION

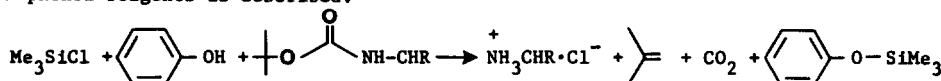
R. E. Gawley* and G. A. Smith

Department of Chemistry, University of Miami
Coral Gables, Florida 33124

CHLOROTRIMETHYLSILANE-PHENOL AS A MILD DEPROTECTION REAGENT FOR THE TERT-BUTYL BASED PROTECTING GROUPS IN PEPTIDE SYNTHESIS

Emil Kaiser, Sr., James P. Tam*, Teresa M. Kubiak and R.B. Merrifield
The Rockefeller University, 1230 York Avenue, New York NY 10021-6399

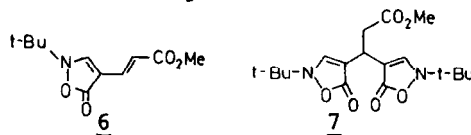
Abstract - Efficient deprotection of the tertbutyl urethane group by 1 M Me_3SiCl - 1 M and 3 M-phenol reagents is described.



DER EFFEKT DER N-TERT-BUTYLGRUPPE BEI DER CYCLO-
ADDITION VON NITRONEN UND DER REAKTION VON
HYDROXYLAMINEN MIT PROPIOLSAUREMETHYLESTER

Hans Günter Aurich*, Hans-Peter Kesselheim und Michael Schmidt
Fachbereich Chemie der Philipps-Universität, D-3550 Marburg, BR Deutschland

The change of the N-alkyl group from Me to t-Bu reverses the regioselectivity in cycloaddition of nitrones with methyl propiolate. Reaction of N-t-butylhydroxylamine with methyl propiolate yields compounds 6 and 7.

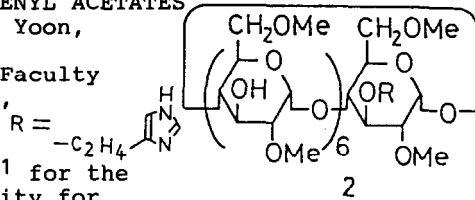


CATALYTIC PROPERTIES OF DIMETHYL- β -CYCLODEXTRIN
BEARING IMIDAZOLEETHYL GROUP. pH DEPENDENCE AND
REGIOSELECTIVITY OF THE HYDROLYSIS OF NITROPHENYL ACETATES

Hiroshi Ikeda, Ryoichi Kojin, Chul-Joong Yoon,
Tsukasa Ikeda, and Fujio Toda*

Department of Bioengineering and Bioscience, Faculty
of Engineering, Tokyo Institute of Technology,
O-okayama, Meguro-ku, Tokyo 152, Japan

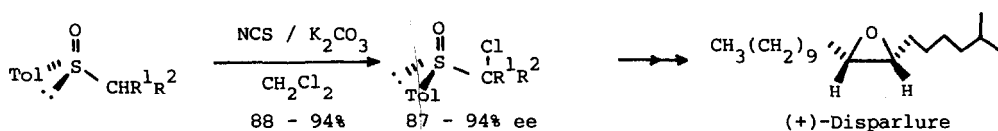
pK_a of 2 was 7.28 and (k_{cat})_{max} was 3x10⁻² s⁻¹ for the hydrolysis of PNPA by 2. 2 had para-selectivity for the hydrolysis of nitrophenyl acetate isomers.



THE PRACTICAL PROCEDURE FOR A PREPARATION OF 1-CHLORO-
ALKYL p-TOLYL SULFOXIDES IN HIGH OPTICALLY ACTIVE FORM:
A VERY SHORT SYNTHESIS OF OPTICALLY ACTIVE DISPARLURE

Tsuyoshi Satoh, Teruhiko Oohara, Yoshiko Ueda and Koji Yamakawa*

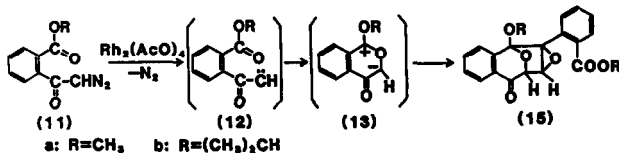
Faculty of Pharmaceutical Sciences, Science Univ. of Tokyo, Shinjuku-ku, Tokyo 162, Japan



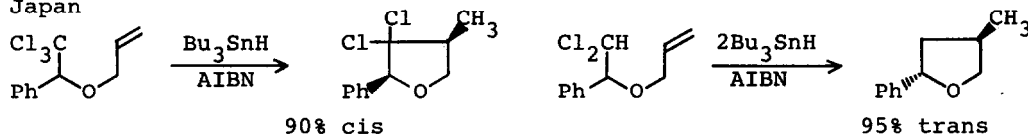
STRUCTURES OF THE NOVEL DIMERS OF
1-ALKOXY-2-BENZOPYRYLIUM-4-OLATES

Toshikazu Ibata,^a Jiro Toyoda,^a Masami Sawada,^b Yoshio Takai,^b and Takanori Tanaka^b
^a Inst. of Chem., College of Gen. Ed., Osaka Univ., Toyonaka, Osaka 560, Japan
^b Material Analysis Center, The Inst. of Sci. and Ind. Res., Osaka Univ.,
Ibaraki, Osaka 567, Japan

The structures of novel type dimers of 1-alkoxy-2-benzopyrylium-4-olates was determined by a single-crystal X-ray analysis.

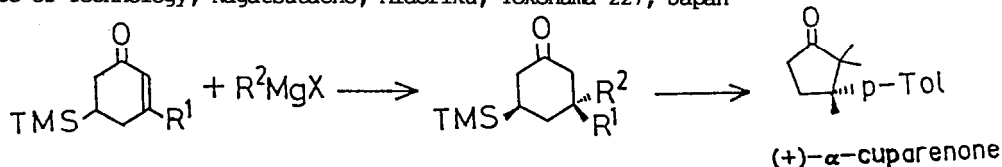


STEREOCONTROL IN RADICAL CYCLIZATION: THE STEREOSELECTIVE SYNTHESIS OF 2,4-CIS AND 2,4-TRANS TETRAHYDROFURAN DERIVATIVES VIA MONO- OR DICHLOROMETHYL RADICAL.
Yoshihiko Watanabe* and Takeshi Endo
Research Laboratory of Resources Utilization, Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama 227, Japan



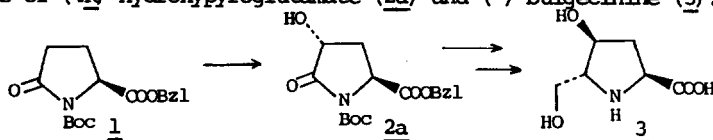
CONSTRUCTION OF CHIRAL QUATERNARY CARBON CENTERS USING 3-SUBSTITUTED 5-TRIMETHYLSILYL-2-CYCLOHEXENONES: SYNTHESIS OF (+)- α -CUPARENONE

Morio ASAOKA*, Kazuya TAKENOCHI, and Hisashi TAKEI
Department of Life Chemistry, Tokyo Institute of Technology, Nagatsutacho, Midoriku, Yokohama 227, Japan



STEREOSELECTIVE HYDROXYLATION OF N-CARBAMOYL-L-PYROGLUTAMATE. SYNTHESIS OF (-)-BULGECININE
Tomihisa Ohta, Akio Hosoi, and Shigeo Nozoe*
Pharmaceutical Institute, Tohoku University, Aobayama, Sendai 980, Japan

Efficient synthesis of (4R)-hydroxypyroglutamate (2a) and (-)-bulgocinine (3).

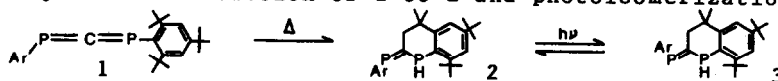


THERMAL CYCLIZATION OF A 1,3-DIPHOSPHA-ALLENE. FORMATION OF A 1,2,3,4-TETRAHYDRO-1-PHOSPHANAPHTHALENE

Masaaki Yoshifuji,* Takashi Niitsu, Koza Toyota, and Naoki Inamoto
Department of Chemistry, Faculty of Science, The University of Tokyo, Hongo, Tokyo 113, Japan

Hans H. Karsch* and Hans-Ulrich Reisacher
Anorganisch-Chemisches Institut der Technischen Universität München, Lichtenbergstrasse 4, Garching, D-8046, F. R. G.

Thermal cyclization reaction of 1 to 2 and photoisomerization of 2 to 3.



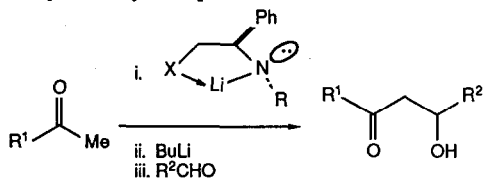
ENANTIOSELECTIVE ALDOL REACTION MEDIATED BY CHIRAL LITHIUM AMIDE BASES

Tetrahedron Lett. 29, 337 (1988)

Masami Muraoka, Hisashi Kawasaki, and Kenji Koga*

Faculty of Pharmaceutical Sciences, University of Tokyo, Tokyo, Japan

Highly enantioselective aldol reaction mediated by chiral lithium amide bases was achieved between some methylketones and aldehydes to give β -hydroxy ketones in up to 86% ee.



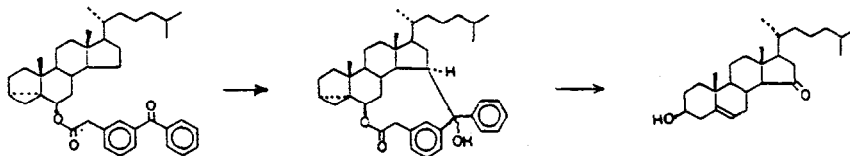
REMOTE FUNCTIONALIZATION ON THE STEROID β -FACE: ATTACK ON CARBON-15

Tetrahedron Lett. 29, 339 (1988)

Eun Lee*, Hyeon Ho Lee, Hye Kyung Chang, and Dong Yeol Lim

Department of Chemistry, College of Natural Sciences

Seoul National University, Seoul 151, Korea



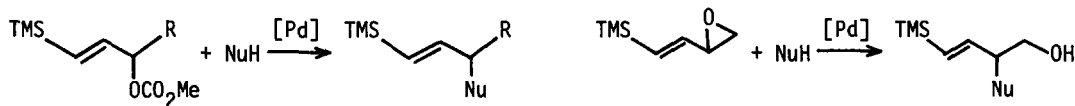
PALLADIUM-CATALYZED REGIOSELECTIVE REACTIONS OF SILYL-SUBSTITUTED ALLYLIC CARBONATES AND VINYL EPOXIDE

Tetrahedron Lett. 29, 343 (1988)

Jiro TSUJI*, Masami YUHARA, Makoto MINATO, Hisao YAMADA, Fumie SATO, and Yuichi KOBAYASHI

Department of Chemical Engineering, Tokyo Institute of Technology, Meguro, Tokyo 152, JAPAN

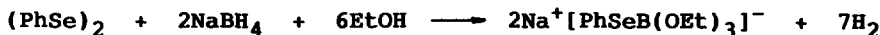
Trimethylsilyl (TMS) group controls the regioselectivity in the palladium-catalyzed reaction of allylic compounds with carbonucleophiles.



SODIUM PHENYLSELENO(TRIETHOXY)BORATE, $\text{Na}^+[\text{PhSeB}(\text{OEt})_3]^-$: THE REACTIVE SPECIES GENERATED FROM $(\text{PhSe})_2$ WITH NaBH_4 IN ETHANOL

Tetrahedron Lett. 29, 347 (1988)

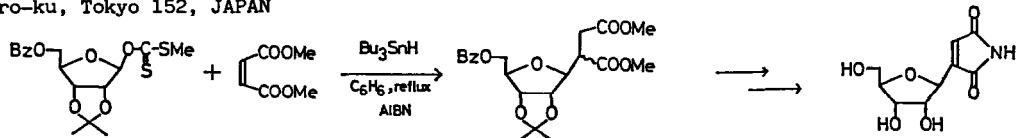
Masaaki Miyashita, Masahide Hoshino, and Akira Yoshikoshi*
Chemical Research Institute of Non-Aqueous Solutions,
Tohoku University, Sendai 980, Japan



ADDITIONS OF A RIBOFURANOSYL RADICAL TO OLEFINS.
A FORMAL SYNTHESIS OF SHOWDOMYCIN

Tetrahedron Lett. 29, 351 (1988)

Younosuke Araki,* Tadatoshi Endo, Masaki Tanji, Jun'ichi Nagasawa, and Yoshiharu Ishido
Department of Chemistry, Faculty of Science, Tokyo Institute of Technology, O-okayama,
Meguro-ku, Tokyo 152, JAPAN

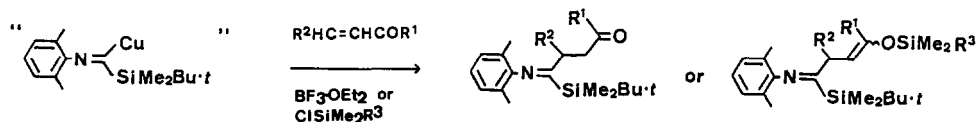


C-Ribofuranosyl compounds were synthesized and showdomycin was also done formally.

CONJUGATE ADDITION OF N-SUBSTITUTED ORGANO-
(SILYLIMINOMETHYL)COPPER(I) TO α,β -UNSATURATED
CARBONYL COMPOUNDS

Tetrahedron Lett. 29, 355 (1988)

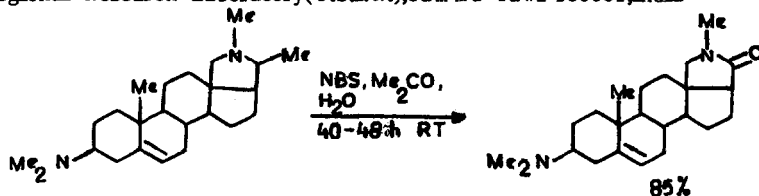
Masahiro Murakami, Takaharu Matsuura and Yoshihiko Ito*
Department of Synthetic Chemistry, Kyoto University, Yoshida, Kyoto 606, Japan



AN UNUSUAL OXIDATIVE DEMETHYLATION REACTION
OF CONESSINE WITH N-BROMOSUCCINIMIDE

Tetrahedron Lett. 29, 359 (1988)

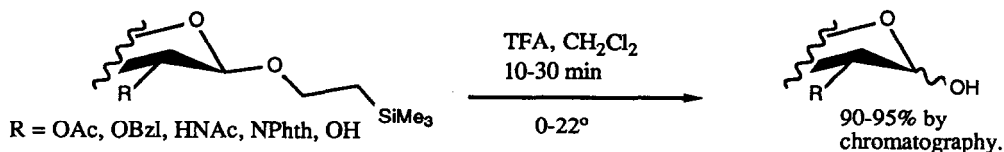
Kamlesh K. Bhutani* and Raj M. Vaid
Regional Research Laboratory (C.S.I.R.), Jammu Tawi-180001, India



2-TRIMETHYLSILYLETHYL GLYCOSIDES. ANOMERIC
DEBLOCKING OF MONO- AND DISACCHARIDES.

Tetrahedron Lett. 29, 361 (1988)

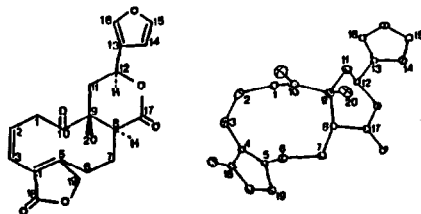
Karl Jansson, Torbjörn Frejd, Jan Kihlberg and Göran Magnusson*. Organic Chemistry 2, Chemical Center,
The Lund Institute of Technology, P.O. Box 124, S-221 00 Lund, Sweden.



Tetrahedron Lett. 29, 363 (1988)

CARDIOPHYLLIDIN, A SECO-ENT-NEOCLERODANE
DITERPENOID FROM SALVIA CARDIOPHYLLA

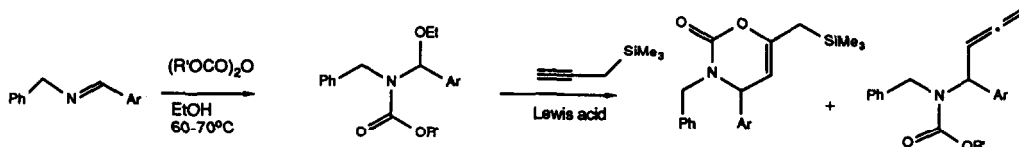
A.G.González, J.R.Herrera, J.G.Luis, A.G.Ravelo,
M.L.Rodríguez and E.A.Ferro. Centro de Productos
Naturales Orgánicos "Antonio González", Universi-
dad de La Laguna, 38206 Tenerife, Canary Islands,
Spain.



Tetrahedron Lett. 29, 367 (1988)

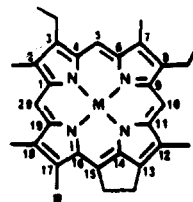
OXAZINONE VERSUS ALLENE FORMATION IN THE REACTION OF
N-ALKOXYCARBYLIMINIUM IONS WITH PROPARGYLTRIMETHYLSILANE

Peter M. Esch, Henk Hiemstra*, and W. Nico Speckamp*
Laboratory of Organic Chemistry, University of Amsterdam,
Nieuwe Achtergracht 129, 1018 WS Amsterdam, The Netherlands



Tetrahedron Lett. 29, 371 (1988)

Molecular Fossils of Chlorophyll c of the 17-nor-DPEP Series.
Structure determination, Synthesis, Geochemical Significance.
J. VERNE-MISMER, R. OCAMPO, H.J. CALLOT and P. ALBRECHT
U.A. 31, Département de Chimie, Université Louis Pasteur,
1, rue Blaise Pascal, 67000 Strasbourg, France.



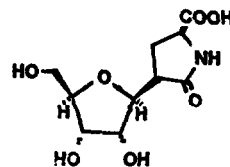
1 R = H
2 R = Me
M = V or Ni

Tetrahedron Lett. 29, 375 (1988)

ENANTIOSPECIFIC SYNTHESIS OF L-(3R AND 3S)-(β-D-RIBO-
FURANOSYL)-PYROGLUTAMIC ACIDS: POSSIBLE INTERMEDIATES IN
C-NUCLEOSIDE BIOSYNTHESIS.

Jack E. Baldwin,* Robert M. Adlington, and Nicholas G. Robinson
The Dyson Perrins Laboratory, University of Oxford, South Parks
Road, Oxford, OX1 3QY, U.K.

The stereospecific addition of a glycine anion equivalent to a
β-ribose acrylate is the key step in the enantiospecific synthesis
of L-3-(β-D-ribofuranosyl)-pyroglutamic acids, possible inter-
mediates in C-nucleoside biosynthesis.

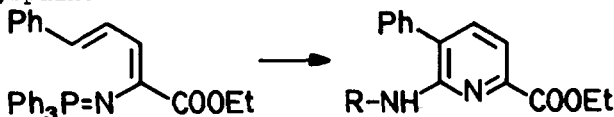


Tetrahedron Lett. 29, 379 (1988)

CONJUGATED CARBODIIMIDES: PREPARATION AND THEIR
CYCLIZATION TO 2-AMINOPYRIDINE DERIVATIVES

P. Molina*, P. M. Fresneda, and P. Alarcon. Departamento Quimica Organica, Facultad de Ciencias, Universidad de Murcia, Spain.

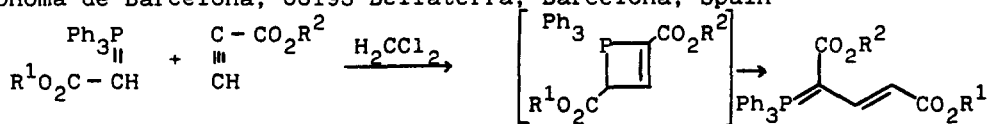
Iminophosphorane (1), reacts with isocyanates to give aminopyridine derivatives through intermediate carbodiimides.



Tetrahedron Lett. 29, 381 (1988)

MECHANISTIC ASPECTS OF THE REACTION OF SOME PHOSPHONIUM YLIDES WITH ALKYL PROPIONATES

J. Barluenga*, F. López, F. Palacios and F. Sánchez-Ferrando. Departamento de Química Organometálica, Universidad Oviedo, 33071 Oviedo, Spain and Departament de Química, Unitat Química Orgànica, Universitat Autònoma de Barcelona, 08193 Bellaterra, Barcelona, Spain

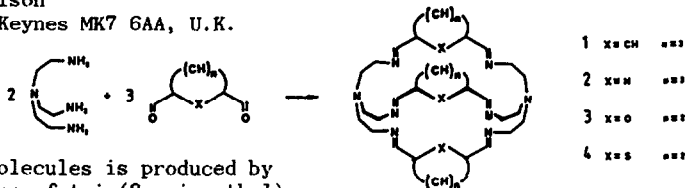


Tetrahedron Lett. 29, 385 (1988)

FACILE SYNTHESIS OF A NEW FAMILY OF CAGE MOLECULES

Debbie MacDowell and Jane Nelson

The Open University, Milton Keynes MK7 6AA, U.K.



A new family of cryptating molecules is produced by (2+3) Schiff-base condensation of tris(2-aminoethyl)amine with dicarbonyls (1)-(4).

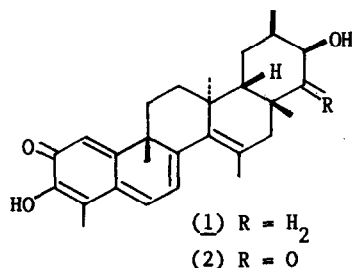
TWO NEW QUINONE-METHIDES FROM CASSINE BALAE:
REVISED STRUCTURE OF BALAEENONOL

Tetrahedron Lett. 29, 387 (1988)

H. Chandrasiri Fernando, A.A. Leslie Gunatilaka*, Vijaya Kumar and Gamini Weeratunga. Department of Chemistry, University of Peradeniya, Sri Lanka

Yasuhiro Tezuka and Tohru Kikuchi*. Research Institute for Wakan-Yaku, Toyama Medical and Pharmaceutical University, Sugitani, Japan

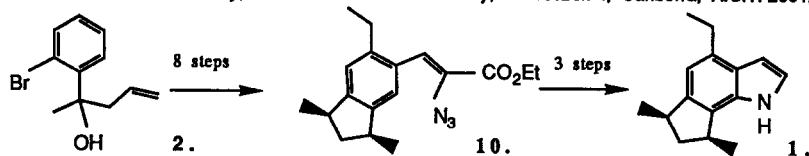
The structure of balaenonol has been revised as (2) and the structure of balaenol (1) has been elucidated.



THE SYNTHESIS OF (±)CIS- TRIKENTRIN A

JOHN K. MACLEOD and LILIAN C. MONAHAN

Research School of Chemistry, Australian National University, G.P.O.Box 4, Canberra, A.C.T. 2601, Australia.



The title compound 1 has been prepared via an aryl radical cyclisation and an azide thermolysis.