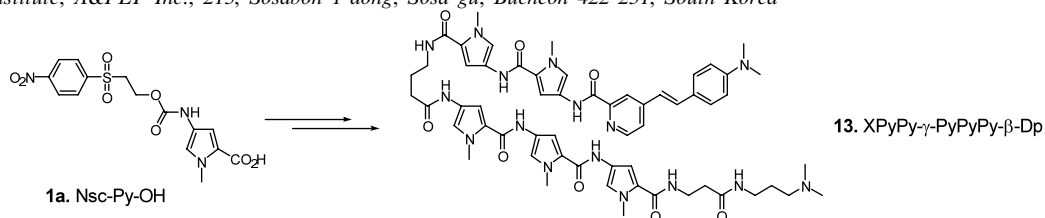


Nsc-mediated solid-phase synthesis of polyamides containing pyrrole amino acid

Tetrahedron Letters 43 (2002) 4295

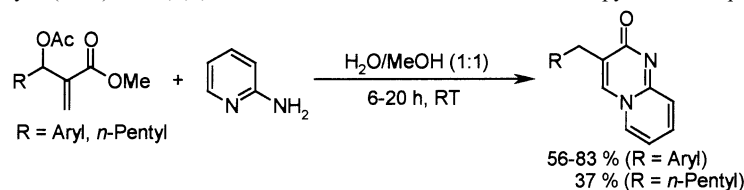
Jin Seok Choi,^a Hwa-Sun Lee,^a Younjoo Lee,^a Nakcheol Jeong,^a Hack-Joo Kim,^b Young-Deug Kim^b and Hogyu Han^{a,*}^aDepartment of Chemistry, Korea University, Seoul 136-701, South Korea^bResearch Institute, A&PEP Inc., 213, Sosabon 1-dong, Sosa-gu, Bucheon 422-231, South Korea**One-pot facile conversion of the acetates of Baylis–Hillman adducts into substituted fused pyrimidones in aqueous media**

Tetrahedron Letters 43 (2002) 4301

Deevi Basavaiah* and Tummanapalli Satyanarayana

School of Chemistry, University of Hyderabad, Hyderabad 500 046, India

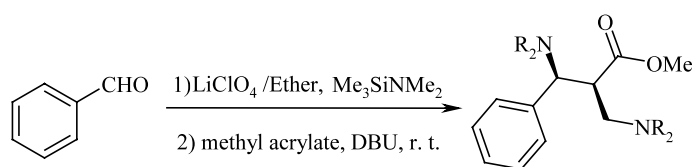
A facile, one-pot convenient transformation of the acetates of Baylis–Hillman adducts into fused pyrimidones, i.e. 3-substituted-1,5-diazabicyclo(4.4.0)deca-2,5,7,9-tetraen-4-ones via reaction with 2-aminopyridine in aqueous media is described.

**A new protocol for the Baylis–Hillman reaction: the reaction of iminium salts prepared in situ with methyl acrylate**

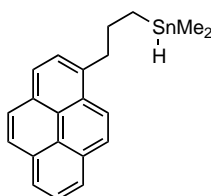
Tetrahedron Letters 43 (2002) 4305

Najmedin Azizi and Mohammad R. Saidi*

Department of Chemistry, Sharif University of Technology, PO Box 11365-9516 Tehran, Iran

**PAH-supported tin hydride: a new tin reagent easily removable from reaction mixtures**

Tetrahedron Letters 43 (2002) 4309

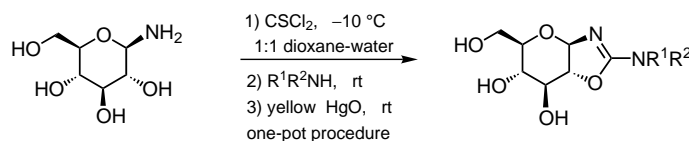
Stéphane Gastaldi^{a,*} and Didier Stien^{b,*}^aLCMO-UMR 6517, Université d'Aix-Marseille III, Avenue Escadrille Normandie-Niemen, 13397 Marseille cedex 20, France^bLAPP-UMR 5810, Université de Montpellier 2, CC19, 34095 Montpellier cedex 5, France

Expeditious synthesis of cyclic isourea derivatives of β -D-glucopyranosylamine

Tetrahedron Letters 43 (2002) 4313

Óscar López, Inés Maya, Víctor Ulgar, Inmaculada Robina, José Fuentes and José G. Fernández-Bolaños*

Departamento Química Orgánica, Facultad Química, Universidad Sevilla, Apartado 553, E-41071 Seville, Spain



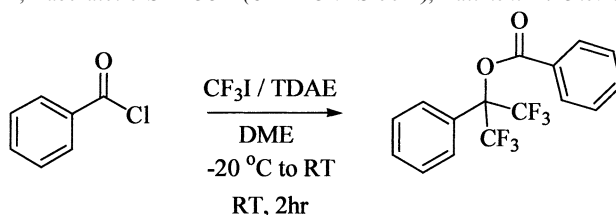
Nucleophilic trifluoromethylation of acyl chlorides using the trifluoromethyl iodide/TDAE reagent

Tetrahedron Letters 43 (2002) 4317

Naoto Takechi,^a Samia Ait-Mohand,^a Maurice Médebielle^b and William R. Dolbier, Jr.^{a,*}

^aDepartment of Chemistry, University of Florida, Gainesville, FL 32611-7200, USA

^bUniversité Claude Bernard-Lyon 1, Laboratoire SERCOF (UMR CNRS 5622), Batiment E. Chevreul, 43, Bd du 11 novembre 1918, F-69622 Villeurbanne, France

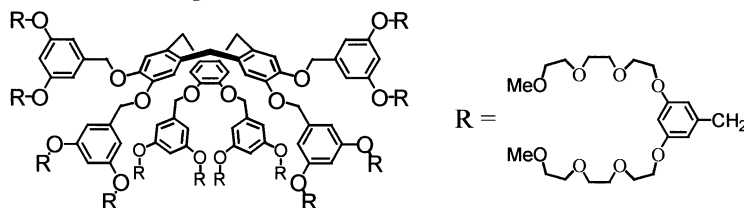


Water soluble supramolecular cyclotrimeratrylene-[60]fullerene complexes with potential for biological applications

Tetrahedron Letters 43 (2002) 4321

Yannick Rio and Jean-François Nierengarten*

Groupe des Matériaux Organiques, Institut de Physique et Chimie des Matériaux de Strasbourg, Université Louis Pasteur et CNRS, 23 rue du Loess, 67037 Strasbourg Cedex, France



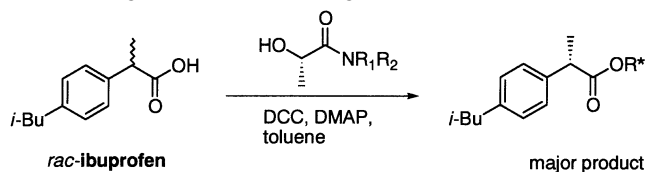
Asymmetric synthesis of (*S*)-ibuprofen by esterification with amides of (*S*)-lactic acid as chiral auxiliaries: experimental and theoretical results

Tetrahedron Letters 43 (2002) 4325

Alessandra Ammazalorso,^a Rosa Amoroso,^{a,*} Giancarlo Bettoni,^a Barbara De Filippis,^a Letizia Giampietro,^a Marco Pierini^b and Maria Luisa Tricca^a

^aDipartimento di Scienze del Farmaco, Università "G. D'Annunzio", Via dei Vestini, 66100 Chieti, Italy

^bDipartimento di Studi di Chimica e Tecnologia delle Sostanze Biologicamente Attive, Università "La Sapienza", P. le A. Moro, 00185 Rome, Italy



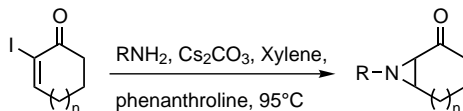
A synthesis of aziridines from α -iodoenones

Tetrahedron Letters 43 (2002) 4329

M. Teresa Barros,^a Christopher D. Maycock^{b,*} and M. Rita Ventura^b

^aFaculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, Departamento de Química, 2825 Monte da Caparica, Portugal

^bInstituto de Tecnologia Química e Biológica, Universidade Nova de Lisboa, Apartado 127, Rua de Quinta Grande 6, 2780-156 Oeiras, Portugal



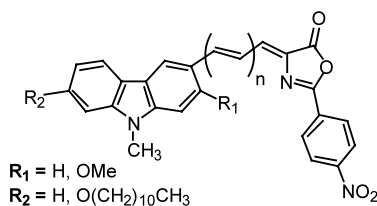
Synthesis of polyconjugated carbazolyloxazolones by a tandem hydrozirconation–Erlenmeyer reaction. Study of their hyperpolarizability values

Tetrahedron Letters 43 (2002) 4333

José Luis Díaz,^a Belén Villacampa,^b Francisco López-Calahorra^a and Dolores Velasco^{a,*}

^aDepartament de Química Orgànica, Facultat de Química, Universitat de Barcelona, Martí i Franquès, 1-11, E-08028 Barcelona, Spain

^bDepartamento de Física de la Materia Condensada, Facultad de Ciencias, Universidad de Zaragoza, Pedro Cerbuna, 12, E-50009 Zaragoza, Spain



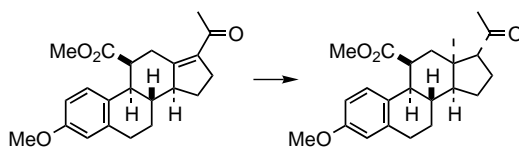
Allylsilane addition on C-13 of 11-methoxycarbonyl-17-acetyl-1,3,5(10),13(17)-gonatetraenes: a straightforward route to introduce an 18 α -methyl group

Tetrahedron Letters 43 (2002) 4339

Pierre-Yves Michellys,^a Philippe Maurin,^b Hélène Pellissier^{b,*} and Maurice Santelli^{b,*}

^aLigand Pharmaceuticals, Inc., San Diego, CA 92121, USA

^bLaboratoire de Synthèse Organique associé au CNRS, Faculté des Sciences de Saint Jérôme, Avenue Escadrille Normandie-Niemen, 13397 Marseille Cedex 20, France



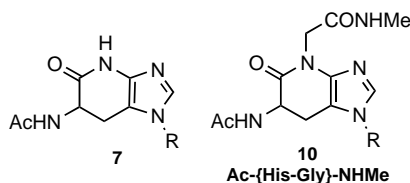
Synthesis and structural study of 6-amino-1,4,6,7-tetrahydroimidazo-[4,5-b]pyridin-5-ones

Tetrahedron Letters 43 (2002) 4343

Carmen Escolano, Mario Rubiralta and Anna Diez*

Laboratori de Química Orgànica, Facultat de Farmàcia, Universitat de Barcelona, Av. Joan XXII s/n. 08028 Barcelona, Spain

The synthesis of imidazopiperidones **7** is described, and an analysis of compounds **10** as constrained analogues of the His-Gly dipeptide has been carried out.

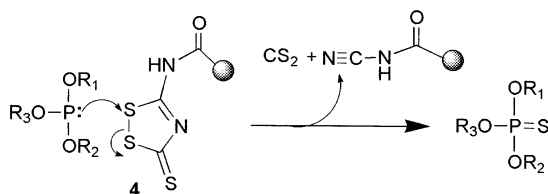


A novel polymer-supported sulfur-transfer reagent for the synthesis of phosphorothioates

Tetrahedron Letters 43 (2002) 4347

Zhaoda Zhang,* Yongxin Han, Jimmy X. Tang and Jin-yan Tang

Hybridon, Inc., 345 Vassar Street, Cambridge, MA 02139, USA

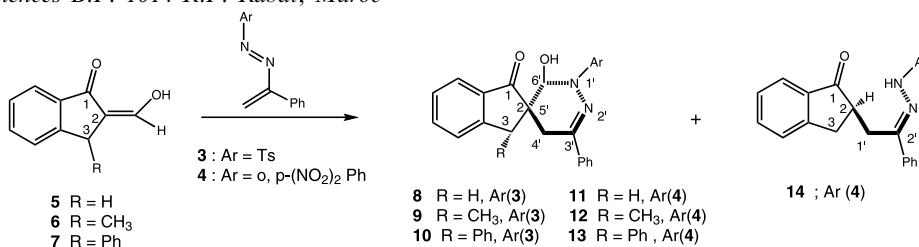


Réaction hétéro-Diels-Alder: addition des azostyrènes sur les dérivés 2-hydroxyméthylène indanones

Tetrahedron Letters 43 (2002) 4351

Hegazi Salaheddine, Soumia Lafquih Titouani*, Mohamed Soufiaoui et Abderrahim Tahdi

Laboratoire de Chimie des Plantes et de Synthèse Organique et Bioorganique Associé au CNCPRST, Université Mohamed V, Faculté des Sciences B.P. 1014 R.P. Rabat, Maroc



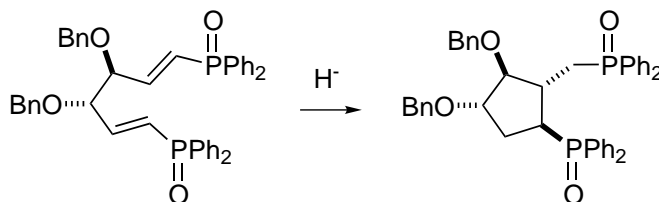
Conjugate reduction-initiated tandem cyclization of a chiral α,β,γ,ψ -unsaturated bisphosphine oxide

Tetrahedron Letters 43 (2002) 4355

Yasuo Nagaoka,^b Nawal El-Koussi,^a Shinichi Uesato^b and Kiyoshi Tomioka^{a,*}

^aGraduate School of Pharmaceutical Sciences, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-8501, Japan

^bDepartment of Biotechnology, Faculty of Engineering, Kansai University, Suita, Osaka 564-8680, Japan

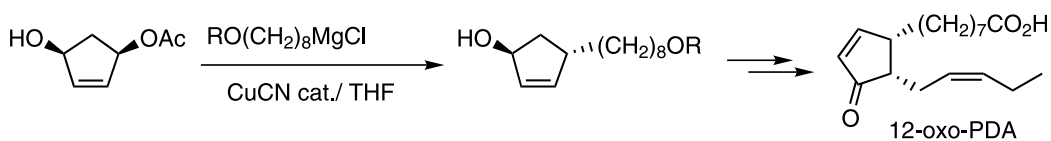


Controlled syntheses of 12-oxo-PDA and its 13-epimer

Tetrahedron Letters 43 (2002) 4361

Yuichi Kobayashi* and Michitaka Matsumi

Department of Biomolecular Engineering, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama 226-8501, Japan

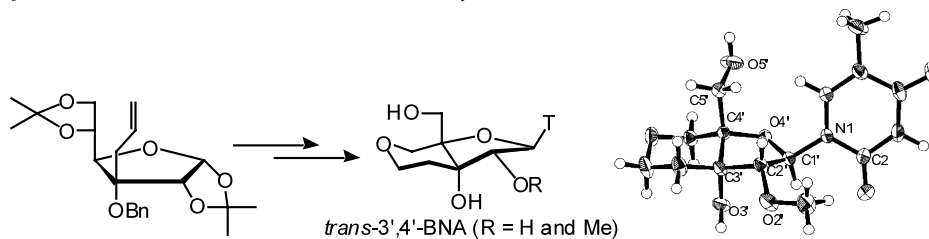


Synthesis and conformation of a novel bridged nucleoside with S-type sugar puckering, *trans*-3',4'-BNA monomer

Tetrahedron Letters 43 (2002) 4365

Satoshi Obika, Mitsuaki Sekiguchi, Tomohisa Osaki, Nao Shibata, Miyuki Masaki, Yoshiyuki Hari and Takeshi Imanishi*

Graduate School of Pharmaceutical Sciences, Osaka University, 1-6 Yamadaoka, Suita, Osaka 565-0871, Japan

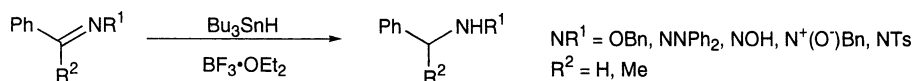


BF₃-promoted hydrostannation of *N*-heteroatom-substituted imines for the reduction of C=N bond

Tetrahedron Letters 43 (2002) 4369

Masafumi Ueda, Hideto Miyabe, Megumi Namba, Toshiki Nakabayashi and Takeaki Naito*

Kobe Pharmaceutical University, Motoyamakita, Higashinada, Kobe 658-8558, Japan

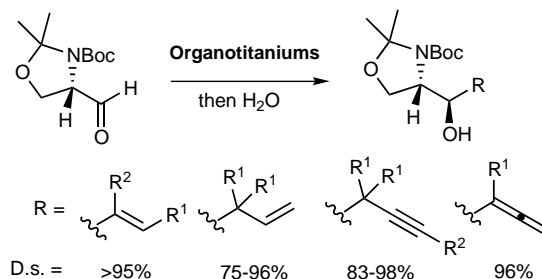


Highly selective addition reaction of organotitaniums with Garner's aldehyde. Easy preparation of optically active allylic, allenylic, homoallylic and homopropargylic alcohols

Tetrahedron Letters 43 (2002) 4373

Christophe Delas, Sentaro Okamoto and Fumie Sato*

Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa 226-8501, Japan

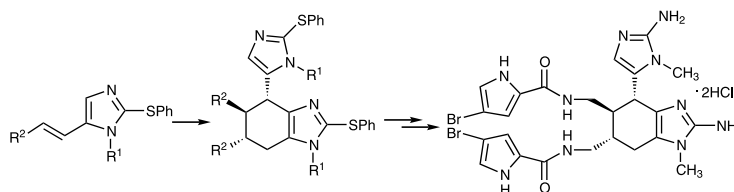


Novel Diels–Alder-type dimerization of 5-ethenyl-2-phenylsulfanyl-1*H*-imidazoles and its application to biomimetic synthesis of 12,12'-dimethylageliferin

Tetrahedron Letters 43 (2002) 4377

Ikuo Kawasaki, Norihiro Sakaguchi, Norie Fukushima, Naoko Fujioka, Fumi Nikaido, Masayuki Yamashita and Shunsaku Ohta*

Kyoto Pharmaceutical University, Misasagi Yamashinaku, Kyoto 607-8414, Japan

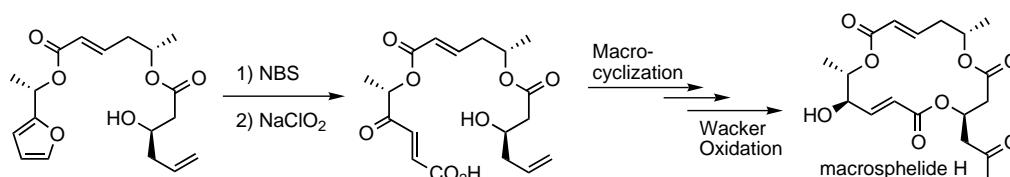


Synthesis of macrophelides H and G

Tetrahedron Letters 43 (2002) 4381

Yuichi Kobayashi* and Yong-Gang Wang

Department of Biomolecular Engineering, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama 226-8501, Japan



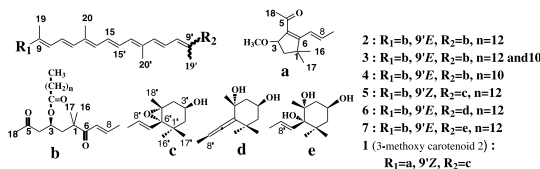
Structures of tobiraxanthins A1, A2, A3, B, C and D, new carotenoids from the seeds of *Pittosporum tobira*

Tetrahedron Letters 43 (2002) 4385

Yasuhiro Fujiwara,* Keiji Hashimoto, Kiyoshi Manabe and Takashi Maoka

Kyoto Pharmaceutical University, Yamashina-ku, Kyoto 607-8414, Japan

Six new carotenoids, named tobiraxanthins A1 (2), A2 (3), A3 (4), B (5), C (6) and D (7), have been isolated from the seeds of *Pittosporum tobira*. Their structures were elucidated by NMR and MS spectral analyses. The chemical relation of the tobiraxanthins to the previously reported 3-methoxy carotenoids was also studied.

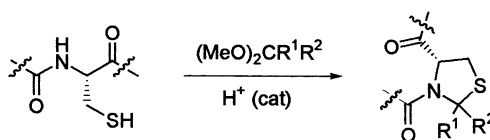


Pseudo-prolines (ΨPro): direct insertion of ΨPro systems into cysteine containing peptides

Tetrahedron Letters 43 (2002) 4389

Jean-François Guichou, Luc Patiny and Manfred Mutter*

Institute of Molecular and Biological Chemistry (ICMB), EPFL, CH-1015 Lausanne, Switzerland

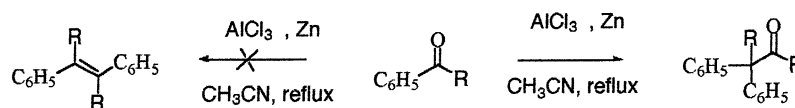


Pinacol reduction-cum-rearrangement. A re-examination of the reduction of aryl alkyl ketones by zinc-aluminum chloride

Tetrahedron Letters 43 (2002) 4391

Anya A. Grant, Myron Allukian and Albert J. Fry*

Chemistry Department, Wesleyan University, Middletown, CT 06459, USA

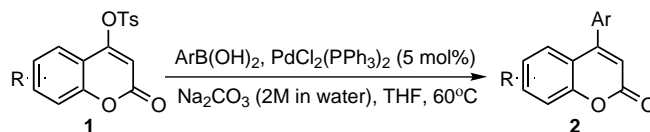


Palladium-catalyzed cross-coupling reactions of 4-tosylcoumarin and arylboronic acids: synthesis of 4-arylcoumarin compounds

Tetrahedron Letters 43 (2002) 4395

Jie Wu, Lisha Wang, Reza Fathi* and Zhen Yang*

Harvard Institute of Chemistry and Cell Biology (ICCB), Harvard University, 250 Longwood Avenue, SGM 604, Boston, MA 02115, USA



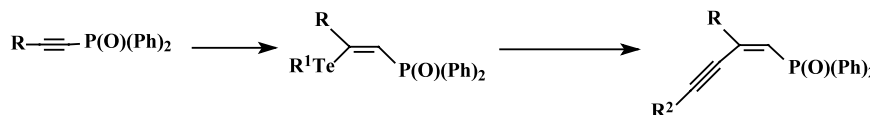
1a: R = H; 1b: R = 7-OMe;
1c: R = 6-Me; 1d: R = 6-OMe.

Synthesis of β -organotelluro vinylphosphine oxides by hydrotelluration of 1-alkynylphosphine oxides and their palladium-catalyzed cross-coupling with alkynes

Tetrahedron Letters 43 (2002) 4399

Antonio L. Braga,* Fabrício Vargas, Gilson Zeni, Claudio C. Silveira and Leandro H. de Andrade

Departamento de Química, Universidade Federal de Santa Maria, Santa Maria, RS, 97105-900, Brazil



Reversal of polyamine selectivity for DNA and RNA by steric hindrance

Tetrahedron Letters 43 (2002) 4403

Nino Lomadze and Hans-Jörg Schneider*

FR 11.2 Organische Chemie der Universität des Saarlandes,
D-66041 Saarbrücken, Germany

Bulky polyamines such as the adamantane derivative **A2** (right side) have a similar size as e.g. a zinc-finger protein helix (left); they can bind to major grooves of double strands, which are wider in DNA than in RNA. As a consequence melting points increase more with DNA than with RNA, in sharp contrast to the usually observed behavior of polyamines.



Stereo- and regiospecific formation of a highly functionalized bridgehead tricyclic sultam

Tetrahedron Letters 43 (2002) 4407

Daniel D. Long,^a Russell Dahl,^b Catherine Jolivet,^b Will J. Marshall^c and Andreas P. Termin^{b,*}

^aAdvanced Medicine Inc., 901 Gateway Blvd., So. San Francisco, CA 94131, USA

^bBristol-Myers Squibb Pharma Research Laboratories, Suite 400, 4570 Executive Drive, San Diego, CA 92121, USA

^cE.I. DuPont de Nemours & Co, E228/326, PO Box, Wilmington, DE 19880-0228, USA

