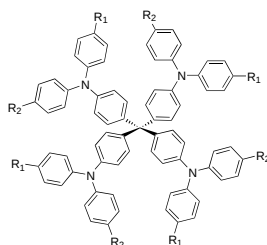
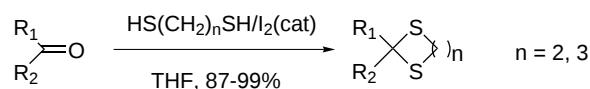


**Design and synthesis of stable triarylamines for hole-transport applications***Tetrahedron Letters 42 (2001) 4421*

Hongda Zhao, Christine Tanjutco and S. Thayumanavan\*

*Department of Chemistry, Tulane University, New Orleans, LA 70118, USA***A new molecular iodine-catalyzed thioketalization of carbonyl compounds: selectivity and scope***Tetrahedron Letters 42 (2001) 4425*

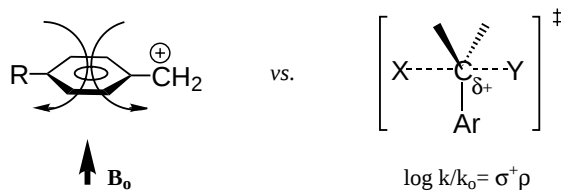
Susanta Samajdar, Manas K. Basu, Frederick F. Becker and Bimal K. Banik\*

*The University of Texas, M. D. Anderson Cancer Center, Department of Molecular Pathology, Box 89, 1515 Holcombe Blvd, Houston, TX 7703, USA*

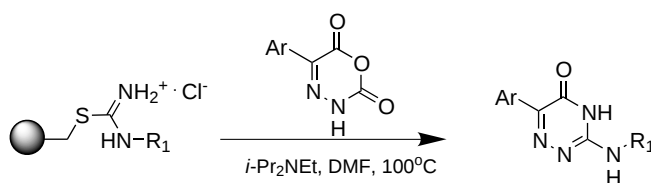
$\text{R}_1 = \text{alkyl}, \text{R}_2 = \text{H}; \text{R}_1 = \text{R}_2 = \text{alkyl}; \text{R}_1 = \text{alkyl}, \text{R}_2 = \text{aryl}$   
 $\text{R}_1 = \text{aryl}, \text{R}_2 = \text{aryl}$

**Magnetic analysis (NICS) of monoaryl cations. Linear relationship between aromaticity and Hammett constants ( $\sigma_p^+$ )***Tetrahedron Letters 42 (2001) 4429*

Iñaki Morao and Ian H. Hillier\*

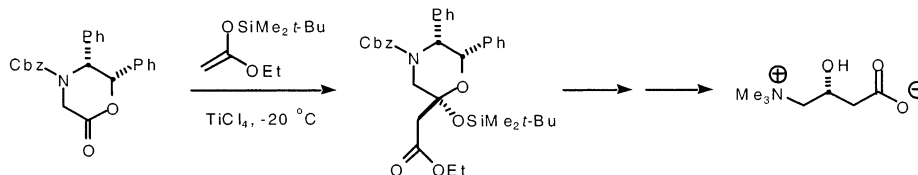
*Department of Chemistry, University of Manchester, Manchester M13 9PL, UK***Reaction of isothiurea with 2,3-diaza-3-pentenedioic anhydride. A solid-phase synthesis of 3-amino-1,2,4-triazin-5(4H)-ones***Tetrahedron Letters 42 (2001) 4433*

Rui-Yang Yang\* and Alan P. Kaplan

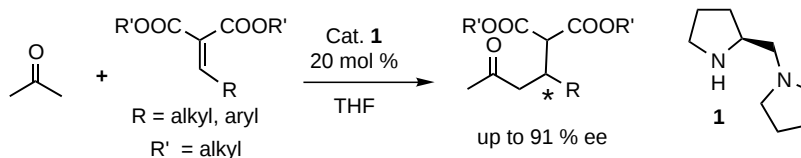
*ArQule Inc., 19 Presidential Way, Woburn, MA 01801, USA*

**Asymmetric synthesis of (*R*)-(-)-carnitine***Tetrahedron Letters 42 (2001) 4437*

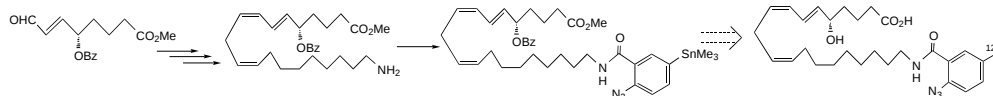
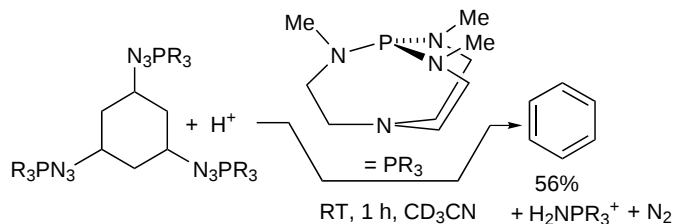
Rajendra P. Jain and Robert M. Williams\*

*Department of Chemistry, Colorado State University, Fort Collins, CO 80523, USA***Catalytic enantioselective direct Michael additions of ketones to alkylidene malonates***Tetrahedron Letters 42 (2001) 4441*

Juan M. Betancort, Kandasamy Sakthivel, Rajeswari Thayumanavan and Carlos F. Barbas, III\*

*The Skaggs Institute for Chemical Biology and the Department of Molecular Biology, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, CA 92037, USA***A photoaffinity probe for 5-hydroxyeicosanoid dehydrogenase suitable for radioiodination***Tetrahedron Letters 42 (2001) 4445*Seongjin Kim,<sup>a</sup> Yurdanur Adiyaman,<sup>a</sup> Goutam Saha,<sup>a</sup> William S. Powell<sup>b</sup> and Joshua Rokach<sup>a,\*</sup><sup>a</sup>*Claude Pepper Institute and Department of Chemistry, Florida Institute of Technology, 150 W. University Blvd, Melbourne, FL 32901, USA*<sup>b</sup>*Meakins-Christie Laboratories, Department of Medicine, McGill University, 3626 St-Urbain St., Montreal, QC, Canada H2X 2P2*

A photoaffinity radiolabeled trimethyl tin precursor was prepared by total synthesis and converted to the desired iodo derivative.

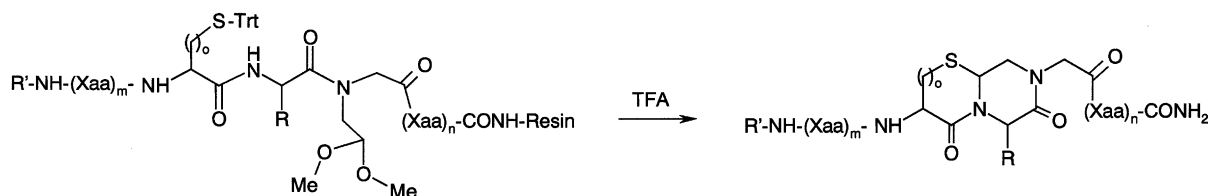
**Facile formation of benzene from a novel cyclohexane derivative***Tetrahedron Letters 42 (2001) 4449*Xiadong Liu,<sup>a</sup> Guangtao Zhang<sup>a,b</sup> and John G. Verkade<sup>b,\*</sup><sup>a</sup>*Dionex Corp., 1228-T Titan Way, PO Box 3603, Sunnyvale, CA 94088, USA*<sup>b</sup>*Department of Chemistry, Iowa State University, Ames, IA 50011, USA*

### Solid-phase synthesis of peptide–heterocycle hybrids containing a tripeptide-derived 6,6-fused bicyclic subunit

*Tetrahedron Letters* 42 (2001) 4453

Wayne D. Kohn\* and Lianshan Zhang

*Eli Lilly & Company, Sphinx Laboratories, 840 Memorial Drive, Cambridge, MA 02139, USA*

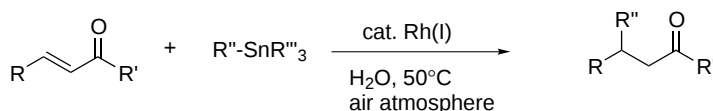


### Quasi-nature catalysis: conjugated addition of unsaturated carbonyl compounds with aryl and vinyltin reagents catalyzed by rhodium in air and water

*Tetrahedron Letters* 42 (2001) 4459

Sripathy Venkatraman, Yue Meng and Chao-Jun Li\*

*Department of Chemistry, Tulane University, New Orleans, LA 70118, USA*



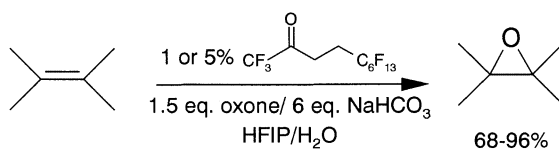
### An efficient and robust fluoroketone catalyst epoxidation

*Tetrahedron Letters* 42 (2001) 4463

Julien Legros, Benoît Crousse,\* Jack Bourdon, Danièle Bonnet-Delpon and Jean-Pierre Bégué

*BIOCIS, CNRS, Faculté de Pharmacie, Rue J.B. Clément, 92296 Châtenay-Malabry, France*

Epoxides of monosubstituted olefins are also obtained in high yields (92%) under these catalytic conditions, using hexafluoroisopropanol as a cosolvent.

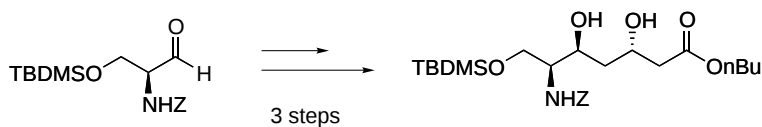


### A straightforward enantiospecific synthesis of *N*-(*Z*)-galantinic butyl ester

*Tetrahedron Letters* 42 (2001) 4467

Xavier Moreau and Jean-Marc Campagne\*

*Institut de Chimie des Substances Naturelles, CNRS, F-91198 Gif-sur-Yvette, France*



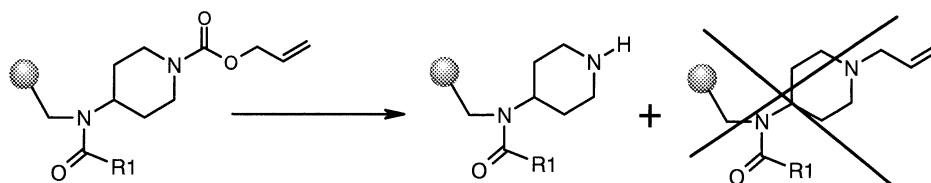
### Solid-phase synthesis of 4-aminopiperidine analogues using the Alloc protecting group: an investigation of Alloc removal from secondary amines

*Tetrahedron Letters 42 (2001) 4471*

Dolors Fernández-Forner,<sup>a,\*</sup> Gaspar Casals,<sup>a</sup> Eloísa Navarro,<sup>a</sup> Hamish Ryder<sup>a</sup> and Fernando Albericio<sup>b</sup>

<sup>a</sup>Research Center, Almirall Prodesfarma, Cardener 68-74, E-08024 Barcelona, Spain

<sup>b</sup>Department of Organic Chemistry, University of Barcelona, E-08028 Barcelona, Spain



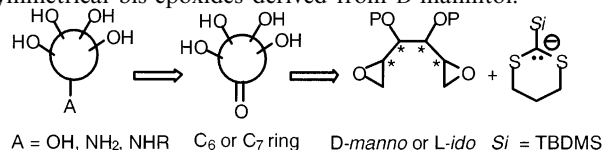
### Efficient access to azadisaccharide analogues

*Tetrahedron Letters 42 (2001) 4475*

Christine Gravier-Pelletier, William Maton, Thomas Lecourt and Yves Le Merrer\*

Université René Descartes, Laboratoire de Chimie et Biochimie Pharmacologiques et Toxicologiques, UMR 8601 CNRS, 45, rue des Saints-Pères, 75270 Paris Cedex 06, France

The synthesis of various aminocyclitols as pseudo-azadisaccharide candidates for glycosidase inhibition is described. The strategy involves the reductive amination with several amines of polyhydroxycycloheptanones resulting from a tandem alkylation-cyclisation of C<sub>2</sub>-symmetrical bis-epoxides derived from D-mannitol.

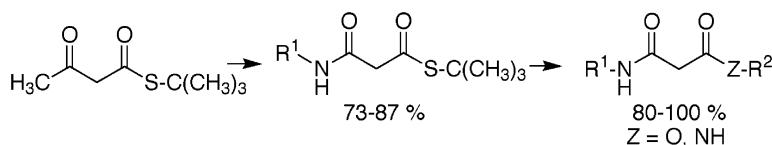


### Versatile synthesis of malonamic acid derivatives from a $\beta$ -ketothioester

*Tetrahedron Letters 42 (2001) 4479*

Pilar López-Alvarado, Carmen Avendaño\* and J. Carlos Menéndez\*

Departamento de Química Orgánica y Farmacéutica, Facultad de Farmacia, Universidad Complutense, 28040 Madrid, Spain

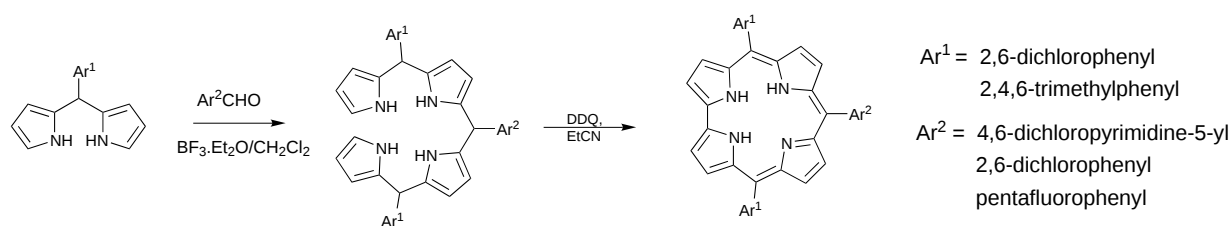


### Sterically encumbered triarylcorroles from aryldipyrrromethanes and aromatic aldehydes

*Tetrahedron Letters 42 (2001) 4483*

C. V. Asokan, S. Smeets and W. Dehaen\*

Department of Chemistry, University of Leuven, Celestijnenlaan 200F, B-3000 Leuven, Belgium



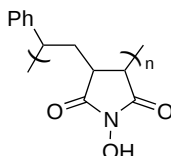
**Polymer-bound *N*-hydroxysuccinimide as a solid-supported additive for DCC-mediated peptide synthesis**

*Tetrahedron Letters* 42 (2001) 4487

Rafael Chinchilla, David J. Dodsworth, Carmen Nájera\* and José M. Soriano

*Departamento de Química Orgánica, Universidad de Alicante, Apartado 99, 03080 Alicante, Spain*

Polymer-supported *N*-hydroxysuccinimide is employed as a recoverable activating and racemization-reducing additive in DCC-mediated peptide coupling reactions.



**A convenient one-pot synthesis of phosphino-dipeptide analogs**

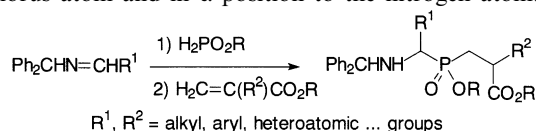
*Tetrahedron Letters* 42 (2001) 4491

Henri-Jean Cristau,<sup>a,\*</sup> Agnès Coulombeau,<sup>a</sup> Arielle Genevois-Borella<sup>b</sup> and Jean-Luc Pirat<sup>a,\*</sup>

<sup>a</sup>*Laboratoire de Chimie Organique (UMR 5076 du CNRS), Ecole Nationale Supérieure de Chimie de Montpellier, 8 Rue de l'Ecole Normale, 34296 Montpellier Cedex 5, France*

<sup>b</sup>*Aventis, Centre de Recherche de Vitry-Alfortville, 13, Quai Jules Guesde, BP 14, 94403 Vitry-Sur-Seine, France*

A one-pot procedure for the preparation, in good yields, of phosphino-peptides as building blocks for peptide synthesis in the field of new enzyme inhibitors is described. This method affords the possibility of variations for the substituents in  $\alpha$  and  $\beta$  position to the phosphorus atom and in  $\alpha$  position to the nitrogen atom.

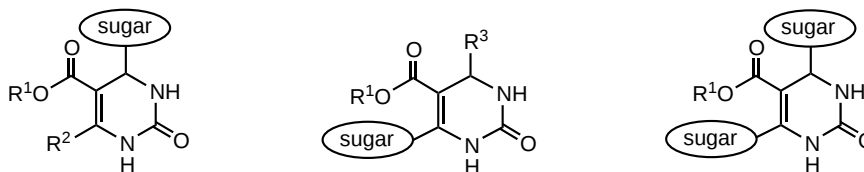


**Towards the synthesis of *C*-glycosylated dihydropyrimidine libraries via the three-component Biginelli reaction. A novel approach to artificial nucleosides**

*Tetrahedron Letters* 42 (2001) 4495

Alessandro Dondoni,\* Alessandro Massi and Simona Sabbatini

*Dipartimento di Chimica, Laboratorio di Chimica Organica, Università di Ferrara, Via L. Borsari 46, I-44100 Ferrara, Italy*



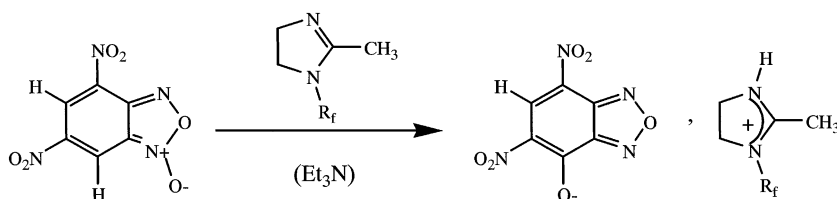
**A remarkably facile oxygen transfer in a nitrobenzofuroxan structure activated through  $\sigma$ -complex formation**

*Tetrahedron Letters* 42 (2001) 4499

François Terrier,<sup>a,\*</sup> Martine Beaufour,<sup>a</sup> Jean-Claude Hallé,<sup>a</sup> Jean-Claude Cherton<sup>a</sup> and Erwin Buncel<sup>b,\*</sup>

<sup>a</sup>*Laboratoire SIRCOB, ESA CNRS 8086, Institut Lavoisier-Franklin, Université de Versailles, 45, avenue des Etats-Unis, 78035 Versailles Cedex, France*

<sup>b</sup>*Department of Chemistry, Queen's University, Kingston, Ont., Canada ONK7L 3N6*



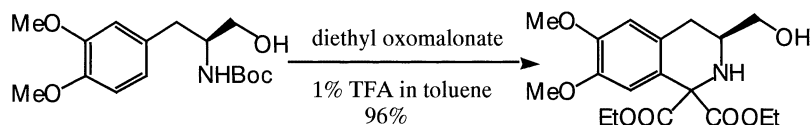
### Diethyl oxomalonate as a three carbon synthon for synthesis of functionalized 1,1'-disubstituted tetrahydroisoquinoline

*Tetrahedron Letters 42 (2001) 4503*

Michèle Bois-Choussy, Sébastien Cadet, Michaël De Paolis and Jieping Zhu\*

*Institut de Chimie des Substances Naturelles, CNRS, 91198 Gif-sur-Yvette, France*

Syntheses and functional group transformations of 1,1-disubstituted tetrahydroisoquinoline are reported.



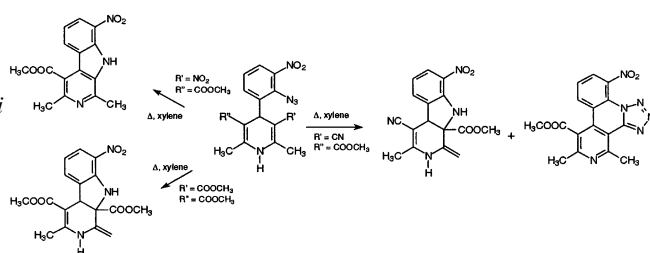
### Thermolysis of 4-(2-azido-3-nitrophenyl)-1,4-dihydropyridines as source of $\beta$ -carboline derivatives and some related compounds

*Tetrahedron Letters 42 (2001) 4507*

Sonja Visentin,<sup>a</sup> Giuseppe Ermondi,<sup>b</sup>  
Donatella Boschi,<sup>a</sup> Giorgio Grosa,<sup>b</sup> Roberta Fruttero<sup>a</sup>  
and Alberto Gasco<sup>a,\*</sup>

<sup>a</sup>Dipartimento di Scienza e Tecnologia del Farmaco, Facoltà di Farmacia, Università degli Studi di Torino, via P. Giuria 9, I-10125 Turin, Italy

<sup>b</sup>Dipartimento di Scienze Chimiche, Alimentari, Farmaceutiche e Farmacologiche, Università degli Studi del Piemonte Orientale, viale Ferrucci 33, I-28100 Novara, Italy

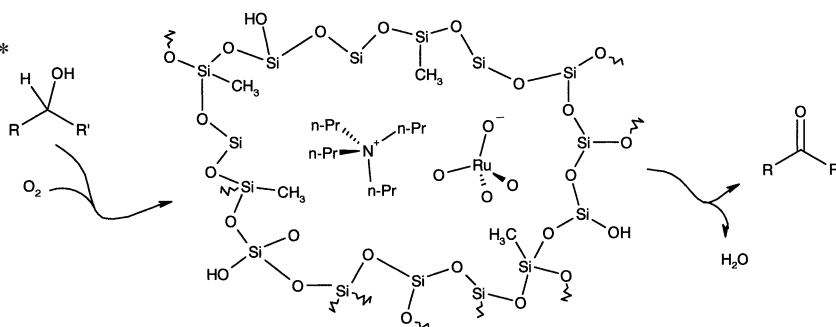


### New recyclable catalysts for aerobic alcohols oxidation: sol-gel ormosils doped with TPAP

*Tetrahedron Letters 42 (2001) 4511*

Mario Pagliaro and Rosaria Ciriminna\*

*Institute of Chemistry and Technology of Natural Products, CNR, via Ugo La Malfa 153, 90146 Palermo, Italy*

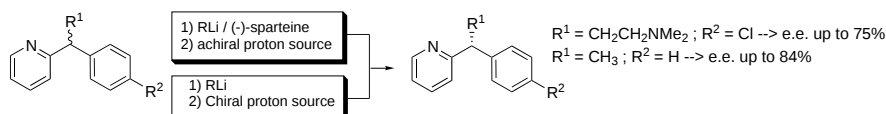


### Deracemization of alkyl diarylmethanes using (-)-sparteine or a chiral proton source

*Tetrahedron Letters 42 (2001) 4515*

Laurence Prat, Georges Dupas, Jack Duflos, Guy Quéguiner, Jean Bourguignon and Vincent Levacher\*

*Laboratoire de Chimie Organique Fine et Hétérocyclique associé au CNRS, IRCOF-INSA, rue Tenières BP 08, F-76131 Mont Saint Aignan Cedex, France*



R<sup>1</sup> = CH<sub>2</sub>CH<sub>2</sub>NMe<sub>2</sub>; R<sup>2</sup> = Cl → e.e. up to 75%  
R<sup>1</sup> = CH<sub>3</sub>; R<sup>2</sup> = H → e.e. up to 84%

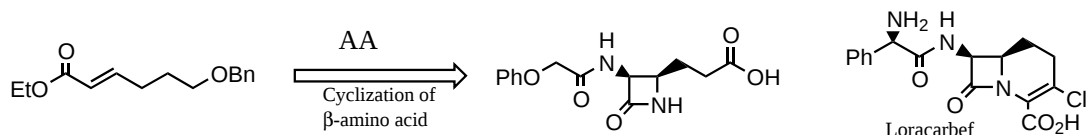
### An asymmetric aminohydroxylation approach to the stereoselective synthesis of *cis*-substituted azetidinone of loracarbef

*Tetrahedron Letters* 42 (2001) 4519

Jong-Cheol Lee,<sup>a,b</sup> Geun Tae Kim,<sup>a</sup> Young Key Shim<sup>b</sup> and Sung Ho Kang<sup>a,\*</sup>

<sup>a</sup>Dept. of Chemistry, Korea Advanced Institute of Science and Technology, Taejeon 305-701, South Korea

<sup>b</sup>Bio-Organic Division, Korea Research Institute of Chemical Technology, Taejeon 305-600, South Korea

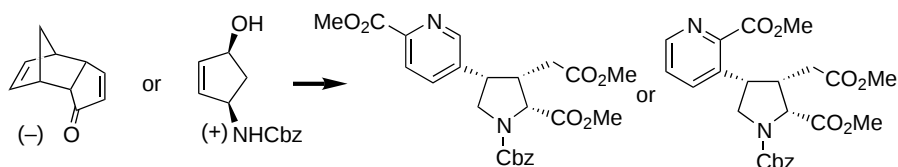


### Stereocontrolled approach to acromelic acids

*Tetrahedron Letters* 42 (2001) 4523

Hiroshi Nakagawa, Tsutomu Sugahara and Kunio Ogasawara\*

Pharmaceutical Institute, Tohoku University, Aobayama, Sendai 980-8578, Japan

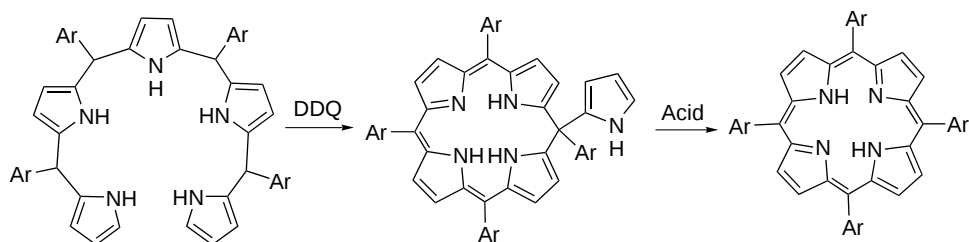


### Unusual phlorins from the oxidative coupling of pentapyrromethanes: their facile conversion to *meso*-substituted porphyrins

*Tetrahedron Letters* 42 (2001) 4527

Jae-Won Ka and Chang-Hee Lee\*

Institute of Basic Science and Department of Chemistry, Kangwon National University, Chun-Chon 200-701, South Korea



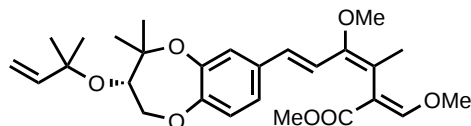
### Asymmetric total synthesis of 9-methoxystrobilurin K

*Tetrahedron Letters* 42 (2001) 4531

Hiromi Uchiro, Koh Nagasawa, Yasuyuki Aiba, Tomoya Kotake, Daiju Hasegawa and Susumu Kobayashi\*

Faculty of Pharmaceutical Sciences, Science University of Tokyo, Ichigaya-Funagawara-machi, Shinjuku-ku, Tokyo 162-0826, Japan

Asymmetric total synthesis of a potent antifungal and cytostatic 9-methoxystrobilurin K was achieved by developing a convergent and versatile synthetic route.



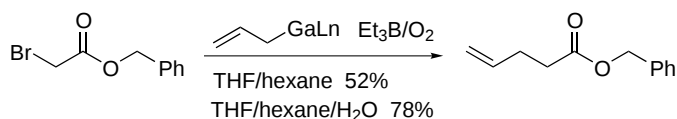
9-Methoxystrobilurin K

### Triethylborane-induced radical allylation of $\alpha$ -halo carbonyl compounds with allylgallium reagent in aqueous media

*Tetrahedron Letters* 42 (2001) 4535

Shin-ichi Usugi, Hideki Yorimitsu and Koichiro Oshima\*

*Department of Material Chemistry, Graduate School of Engineering, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-8501, Japan*

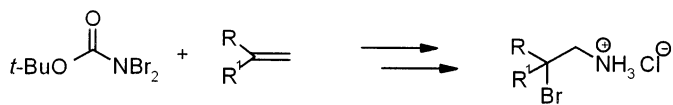


### *t*-Butyl *N,N*-dibromocarbamate (BBC)—new reagent for aminobromination of terminal alkenes

*Tetrahedron Letters* 42 (2001) 4539

Anna Klepacz and Andrzej Zwierzak\*

*Institute of Organic Chemistry, Technical University (Politechnika), Żeromskiego 116, 90-924 Lodz 40, Poland*

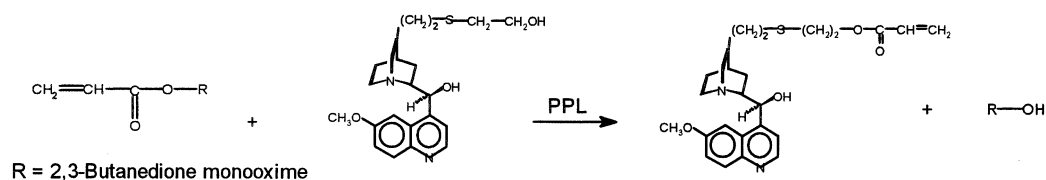


### Mild chemo-enzymatic synthesis of polymer-supported cinchona alkaloids and their application in asymmetric Michael addition

*Tetrahedron Letters* 42 (2001) 4541

Vilas Athawale\* and Narendra Manjrekar

*Department of Chemistry, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai 400 098, India*

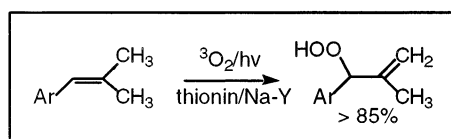


### Chemoselective hydroperoxidation of alkenylarenes within thionin-supported zeolite Na-Y

*Tetrahedron Letters* 42 (2001) 4545

Manolis Stratakis\* and Constantinos Rabalakos

*Department of Chemistry, University of Crete, 71409 Iraklion, Greece*



Ar = phenyl, 1-naphthyl, 2-naphthyl, *p*-methoxyphenyl, *p*-trifluoromethylphenyl, *p*-biphenyl

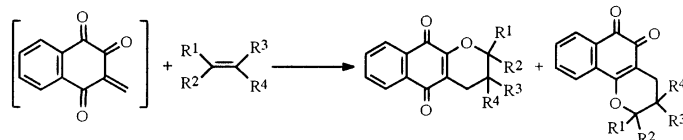
### Hetero Diels–Alder trapping of 3-methylene-1,2,4-[3H]naphthalene-trione: an efficient protocol for the synthesis of $\alpha$ - and $\beta$ -lapachone derivatives

*Tetrahedron Letters* 42 (2001) 4549

Vijay Nair\* and P. M. Treasa

*Organic Chemistry Division, Regional Research Laboratory (CSIR), Trivandrum 695 019, India*

3-Methylene-1,2,4-[3H]naphthalenetrioxone, generated by Knoevenagel condensation of 2-hydroxynaphthoquinone with formaldehyde, undergoes facile hetero Diels–Alder reaction with dienophiles affording derivatives of  $\alpha$ - and  $\beta$ -lapachone.

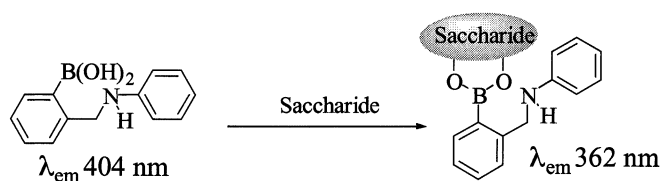


### Fluorescent internal charge transfer (ICT) saccharide sensor

*Tetrahedron Letters* 42 (2001) 4553

Susumu Arimori, Laurence I. Bosch, Christopher J. Ward and Tony D. James\*

*Department of Chemistry, University of Bath, Bath BA2 7AY, UK*

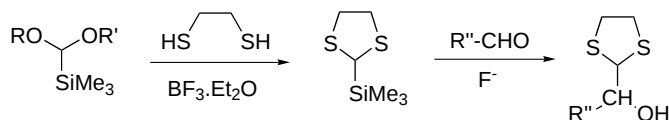


### 2-Trimethylsilyl-1,3-dithiolane as a masked dithiolane anion

*Tetrahedron Letters* 42 (2001) 4557

Alessandro Degl'Innocenti,\* Antonella Capperucci\* and Tiziano Nocentini

*Centro CNR Composti Eterociclici, Dipartimento di Chimica Organica, via G. Capponi, 9, I-50121 Florence, Italy*

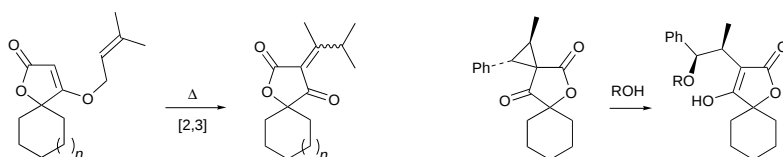


### Abnormal Claisen rearrangements of tetronates and stereoselective ring opening of intermediate spirocyclopropanes

*Tetrahedron Letters* 42 (2001) 4561

Rainer Schobert,\* Sven Siegfried, Gary Gordon, Daniel Mulholland and Mark Nieuwenhuyzen

*The Queen's University of Belfast, School of Chemistry, 23 Stranmillis Road, Belfast BT9 5AG, UK*



### Stereoselective synthesis of thioxylooligosaccharides from *S*-glycosyl isothiourea precursors

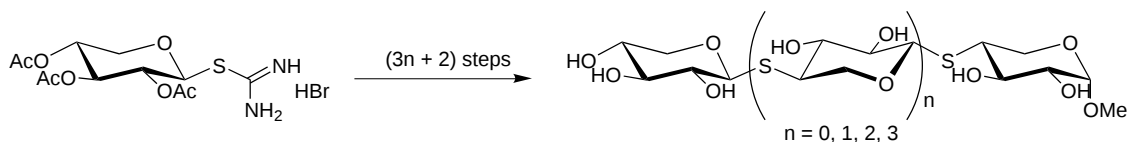
*Tetrahedron Letters* 42 (2001) 4565

Farid M. Ibatullin,<sup>a,\*</sup> Konstantin A. Shabalin,<sup>a</sup> Janne V. Jänis<sup>b</sup> and Stanislav I. Selivanov<sup>c</sup>

<sup>a</sup>Biophysics Division, Petersburg Nuclear Physics Institute, Gatchina 188300, Russia

<sup>b</sup>Department of Chemistry, University of Joensuu, Joensuu, Finland

<sup>c</sup>Chemical Department of Petersburg State University, St. Petersburg, Russia



### Regioselective Mukaiyama hydroperoxysilylation of 2-alkyl- or 2-aryl-prop-2-en-1-ols: application to a new synthesis of 1,2,4-trioxanes

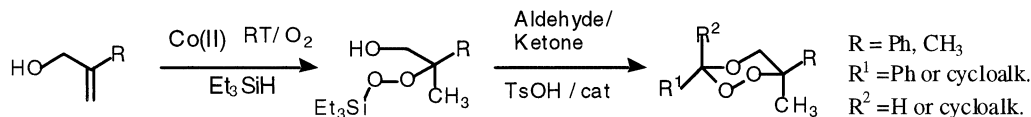
*Tetrahedron Letters* 42 (2001) 4569

Paul M. O'Neill,<sup>a,\*</sup> Matthew Pugh,<sup>a</sup> Jill Davies,<sup>c</sup> Stephen A. Ward<sup>c</sup> and B. Kevin Park<sup>b</sup>

<sup>a</sup>Department of Chemistry, The Robert Robinson Laboratories, University of Liverpool, Liverpool L69 7ZD, UK

<sup>b</sup>Department of Pharmacology, University of Liverpool, Liverpool L69 3GE, UK

<sup>c</sup>School of Tropical Medicine, Pembroke Place, University of Liverpool, Liverpool L3 5QA, UK



### Unusual access to 5-methoxy or 5,5-dimethoxy-4-methyl-3-pyrrolin-2-ones from chlorinated 4-methyl-pyrrolidin-2-ones

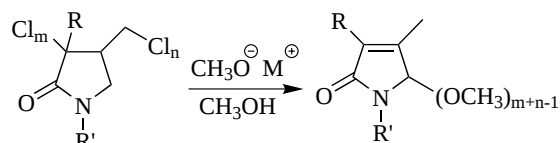
*Tetrahedron Letters* 42 (2001) 4573

Franco Bellesia,<sup>a</sup> Laurent De Buyck,<sup>b</sup> Maria V. Colucci,<sup>a</sup> Franco Ghelfi,<sup>a,\*</sup> Inge Laureyn,<sup>b</sup> Emanuela Libertini,<sup>a</sup> Adele Mucci,<sup>a</sup> Ugo M. Pagnoni,<sup>a</sup> Adriano Pinetti,<sup>a</sup> Tina M. Rogge<sup>b</sup> and Christian V. Stevens<sup>b,\*</sup>

<sup>a</sup>Dipartimento di Chimica, Università degli Studi di Modena e Reggio Emilia, via Campi 183, 41100 Modena, Italy

<sup>b</sup>Department of Organic Chemistry, Faculty of Agricultural and Applied Biological Sciences, Ghent University, Coupure Links 653, B-9000 Ghent, Belgium

The reaction of *N*-protected 4-methyl-2-pyrrolidinones, carrying not less than two chlorine atoms on the C(3) and C(6) carbons afforded with alkaline methoxide in methanol, under mild conditions, the corresponding 5-methoxy or 5,5-dimethoxy-4-methyl-3-pyrrolin-2-ones in satisfactory yields.



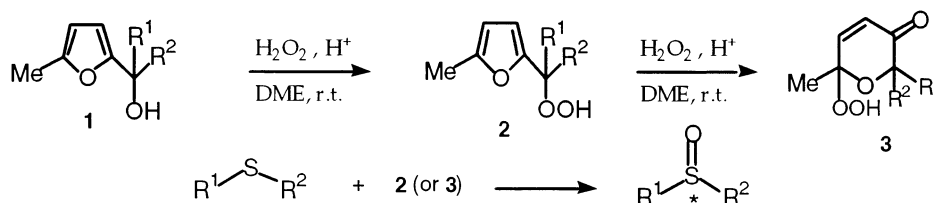
### A convenient approach to renewable hydroperoxides

*Tetrahedron Letters* 42 (2001) 4577

Antonio Massa,<sup>a</sup> Laura Palombi<sup>b</sup> and Arrigo Scettri<sup>a,\*</sup>

<sup>a</sup>Dipartimento di Chimica, Università di Salerno 84081 Baronissi, Salerno, Italy

<sup>b</sup>Dipartimento di Chimica, Ingegneria Chimica e Materiali, Università di L'Aquila, 67010 Coppito, L'Aquila, Italy

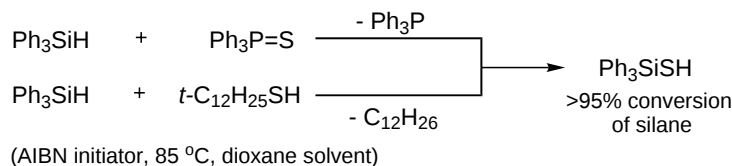


### Preparation of silanethiols by reaction of silanes with triphenylphosphine sulfide and with alkanethiols

*Tetrahedron Letters 42 (2001) 4581*

Yudong Cai and Brian P. Roberts\*

*Department of Chemistry, University College London, 20 Gordon Street, London WC1H 0AJ, UK*



### A one-step synthesis of tetrahydropyranopyranones from carbonyl compounds

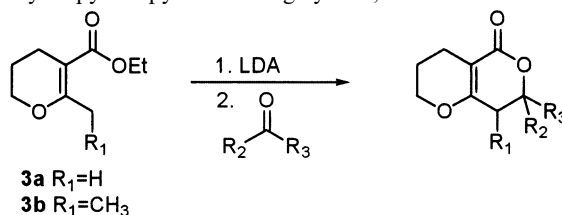
*Tetrahedron Letters 42 (2001) 4585*

Alan Armstrong,<sup>a,\*</sup> Fred W. Goldberg<sup>a</sup> and David A. Sandham<sup>b</sup>

<sup>a</sup>*Department of Chemistry, Imperial College of Science, Technology and Medicine, London SW 7 2AY, UK*

<sup>b</sup>*Novartis Horsham Research Centre, Wimblehurst Road, Horsham, W. Sussex RH12 5AB, UK*

A one-step synthesis of the tetrahydropyranopyranone ring system, as found in the natural product FR182877, is reported.



### One-pot transformation of glycopyranosylcyanides to *N*-(*t*-butoxycarbonyl)methylamines

*Tetrahedron Letters 42 (2001) 4589*

Dirk H. Lenz,<sup>a,\*</sup> Gillian E. Norris,<sup>b</sup> Carol M. Taylor<sup>c</sup> and George C. Slim<sup>a</sup>

<sup>a</sup>*Glycobiology and Enzyme Technology, Industrial Research Ltd., Wellington, New Zealand*

<sup>b</sup>*Institute of Molecular Biosciences, Massey University, Palmerston North, New Zealand*

<sup>c</sup>*Institute of Fundamental Sciences, Massey University, Palmerston North, New Zealand*

Examples are given for the transformation of mono- and disaccharides of 2-deoxy-2-phthalimido sugars as well as of other aldopyranoses.

