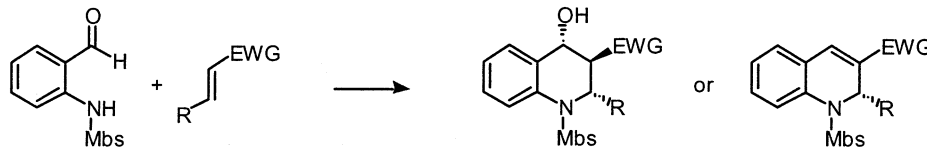
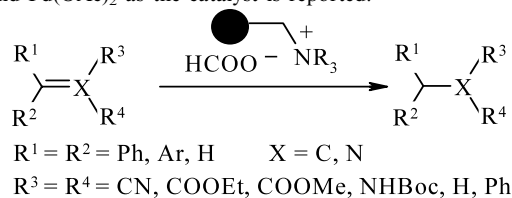
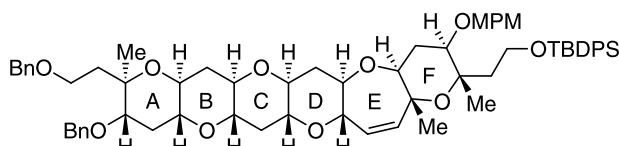
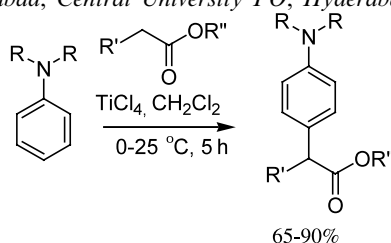


Efficient construction of 1,2-dihydroquinoline and 1,2,3,4-tetrahydroquinoline rings using tandem Michael-aldol reaction*Tetrahedron Letters 44 (2003) 8925*Kazuishi Makino,^a Osamu Hara,^b Yuko Takiguchi,^a Takayuki Katano,^a Yumiko Asakawa,^a Keiichiro Hatano^c and Yasumasa Hamada^{a,*}^aGraduate School of Pharmaceutical Sciences, Chiba University, Yayoi-cho, Inage-ku, Chiba 263-8522, Japan^bFaculty of Pharmacy, Meijo University, 150 Yagotoyama, Tempaku-ku, Nagoya 460-8503, Japan^cGraduate School of Pharmaceutical Sciences, Nagoya City University, Tanabe-dori, Mizuho-ku, Nagoya 467-8603, Japan**Catalytic transfer reduction of conjugated alkenes and an imine using polymer-supported formates***Tetrahedron Letters 44 (2003) 8931*Basudeb Basu,^{*} Md. Mosharef H. Bhuiyan, Pralay Das and Ismail Hossain

Department of Chemistry, University of North Bengal, Darjeeling 734 430, India

An efficient and mild method for catalytic transfer hydrogenation of C=C and C=N double bonds with the aid of resin-supported formate (PSF) as the hydrogen donor and Pd(OAc)₂ as the catalyst is reported.**Convergent synthesis of the A–F ring segment of yessotoxin and adriatoxin***Tetrahedron Letters 44 (2003) 8935*Isao Kadota,^{a,*} Hirokazu Ueno^b and Yoshinori Yamamoto^{b,*}^aResearch Center for Sustainable Materials Engineering, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai 980-8578, Japan^bDepartment of Chemistry, Graduate School of Science, Tohoku University, Sendai 980-8578, Japan**A novel arylation of arylacetic acid esters using tertiary arylamines and TiCl₄***Tetrahedron Letters 44 (2003) 8939*Mariappan Periasamy,^{*} Neela KishoreBabu and K. Natarajan Jayakumar

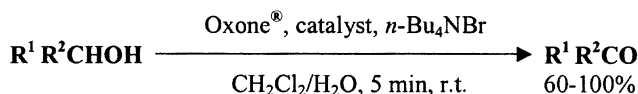
School of Chemistry, University of Hyderabad, Central University PO, Hyderabad 500 046, India



A new and highly effective method for catalytic oxidation of alcohols to the corresponding carbonyl compounds using the tris[(2-oxazoliny)phenolato]manganese(III)/Oxone®/*n*-Bu₄NBr oxidation system

Mojtaba Bagherzadeh*

Department of Chemistry, Sharif University of Technology, PO Box 11395-9516, Tehran, Iran



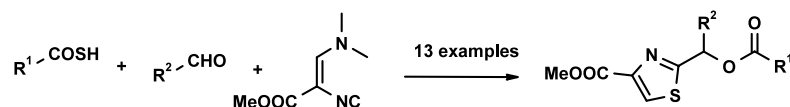
R¹, R² = alkyl, allyl, benzyl, and H
catalyst = tris[(2-oxazoliny)phenolato]manganese(III)

Convergent multicomponent assembly of 2-acyloxymethyl thiazoles

Bernd Henkel, Barbara Beck, Benedikt Westner, Beatrice Mejat and Alexander Dömling*

Morphochem AG, Gmunder Str. 37-37a, 81379 München, Germany

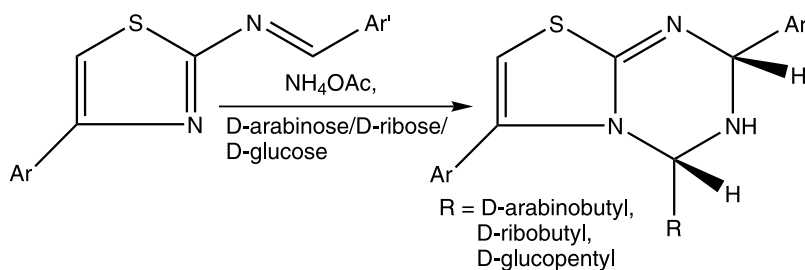
A new multicomponent reaction (MCR) of thiocarboxylic acids, aldehydes and methyl 3-(*N,N*-dimethylamino)-2-isocyanoacrylate for the preparation of 2-acylhydroxymethyl thiazoles is described.



Solvent-free microwave activated three-component synthesis of thiazolo-*s*-triazine *C*-nucleosides

Lal Dhar S. Yadav* and Ritu Kapoor

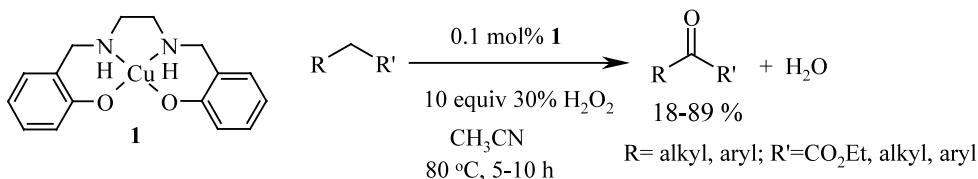
Department of Chemistry, University of Allahabad, Allahabad 211 002, India



Copper(II)-catalyzed C–H oxidation of alkylbenzenes and cyclohexane with hydrogen peroxide

Subbarayan Velusamy and T. Punniyamurthy*

Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati 781039, India

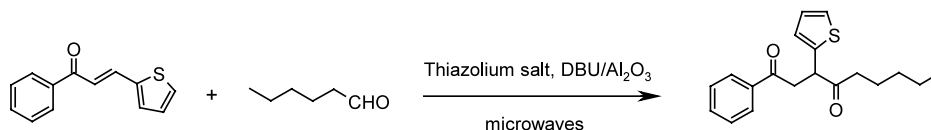


Microwave-accelerated conjugate addition of aldehydes to α,β -unsaturated ketones

Tetrahedron Letters 44 (2003) 8959

J. S. Yadav,* K. Anuradha, B. V. Subba Reddy and B. Eeshwaraiah

Division of Organic Chemistry, Indian Institute of Chemical Technology, Hyderabad 500 007, India

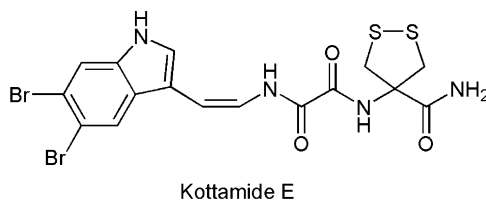


Kottamide E, the first example of a natural product bearing the amino acid 4-amino-1,2-dithiolane-4-carboxylic acid (Adt)

Tetrahedron Letters 44 (2003) 8963

David R. Appleton and Brent R. Copp*

Department of Chemistry, University of Auckland, Private Bag 92019, Auckland, New Zealand

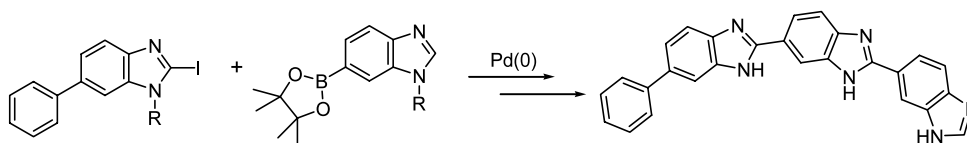


Synthesis of a terbenzimidazole topoisoemerase I poison via iterative borinate ester couplings

Tetrahedron Letters 44 (2003) 8967

Ben B. Wang and Paul J. Smith*

Department of Chemistry and Biochemistry, University of Maryland, Baltimore County, Baltimore, MD 21250, USA

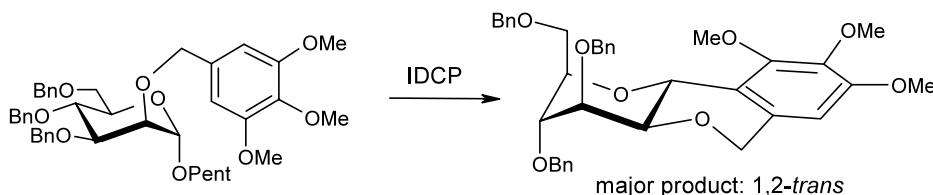


Intramolecular C-glycosylation of 2-O-benzylated pentenyl mannopyranosides: remarkable 1,2-*trans* stereoselectivity

Tetrahedron Letters 44 (2003) 8971

Nicolas Girard, Cyril Rousseau and Olivier R. Martin*

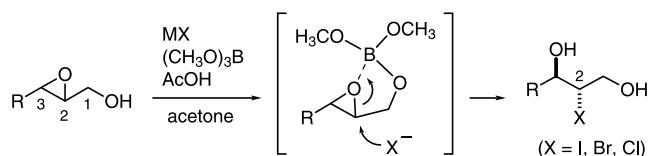
Institut de Chimie Organique et Analytique (ICOA), Faculté des Sciences and CNRS, BP 6759, 45067 Orléans cedex 2, France



The first C2 selective halide substitution reaction of 2,3-epoxy alcohols by the use of $(\text{CH}_3\text{O})_3\text{B}-\text{MX}$ ($\text{X} = \text{I}, \text{Br}, \text{Cl}$) system

Yoshihide Tomata, Minoru Sasaki, Keiji Tanino and Masaaki Miyashita*

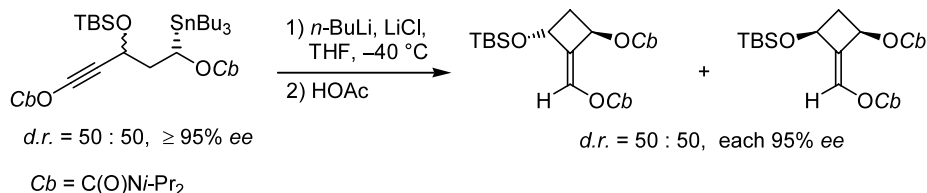
Division of Chemistry, Graduate School of Science, Hokkaido University, Sapporo 060-0810, Japan



Synthesis of 2-alkylidene-cycloalkane-1,3-diols via enantioselective intramolecular carbolithiation

Gabriele Gralla, Birgit Wibbeling and Dieter Hoppe*

Organisch-Chemisches Institut, Westfälische Wilhelms-Universität Münster, Corrensstraße 40, D-48149 Münster, Germany

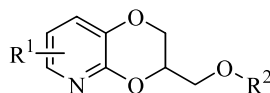


Synthesis of novel 3-substituted-2,3-dihydro-1,4-dioxino[2,3-*b*]-pyridines as potential new scaffolds for drug discovery: selective introduction of substituents on the pyridine ring

Jesús Alcázar,* José M. Alonso, José M. Bartolomé, Laura Iturrino and Encarnación Matesanz

Johnson & Johnson Pharmaceutical Research & Development, a Division of Janssen-Cilag S.A., Medicinal Chemistry Dept., Jarama s/n, 45007 Toledo, Spain

Selective introduction of substituents on the pyridine ring of the 3-substituted-2,3-dihydro-1,4-dioxino[2,3-*b*]pyridine core has led to novel scaffolds suitable for drug discovery and combinatorial chemistry.

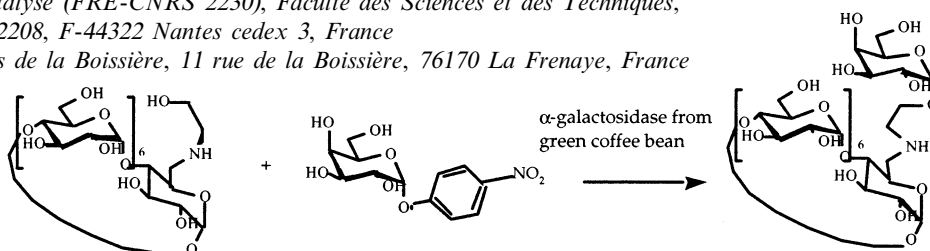


An efficient, regioselective and fast enzymatic glycosylation for cyclodextrins

Véronique Bonnet,^{a,b} Christophe Boyer,^b Virginie Langlois,^a Raphaël Duval^b and Claude Rabiller^{a,*}

^aUnité de Recherches en Biocatalyse (FRE-CNRS 2230), Faculté des Sciences et des Techniques, 2, rue de la Houssinière, BP 92208, F-44322 Nantes cedex 3, France

^bCHIRALSEP, Parc d'activités de la Boissière, 11 rue de la Boissière, 76170 La Frenaye, France



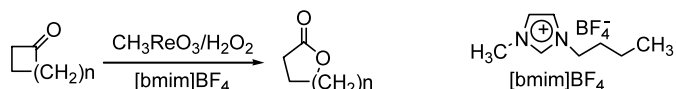
CH₃ReO₃/H₂O₂ in room temperature ionic liquids: an homogeneous recyclable catalytic system for the Baeyer–Villiger reaction

Tetrahedron Letters 44 (2003) 8991

Roberta Bernini,^{a,*} Antonietta Coratti,^a Giancarlo Fabrizi^{b,*} and Antonella Goggiamani^b

^aDipartimento ABAC, Università degli Studi della Tuscia, Via S. Camillo De Lellis, 01100 Viterbo, Italy

^bDipartimento di Studi di Chimica e Tecnologia delle Sostanze Biologicamente Attive, Università degli Studi di Roma 'La Sapienza', P. le A. Moro 5, 00185 Roma, Italy



Novel synthesis of pyridazino[4,5-*b*][1,4]oxazin-3,8-diones

Tetrahedron Letters 44 (2003) 8995

Su-Dong Cho,^a Sang-Yong Song,^a Yong-Dae Park,^c Jeum-Jong Kim,^c Woo-Hong Joo,^a Motoo Shiro,^d J. R. Falck,^b Dong-Soo Shin^{a,*} and Yong-Jin Yoon^{c,*}

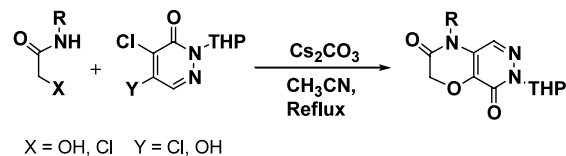
^aDepartments of Chemistry & Biology, Changwon National University, Changwon 641-773, South Korea

^bDepartment of Biochemistry, University of Texas Southwestern Medical Center, Dallas, TX 75390, USA

^cDepartment of Chemistry & Research Institute of Natural Science, Gyeongsang National University, Chinju 660-701, South Korea

^dRigaku Corporation, 3-9-12 Matsubara-cho, Akishima-shi, Tokyo 196-8666, Japan

A novel and effective synthesis of pyridazino[4,5-*b*][1,4]oxazin-3,8-diones via Smiles rearrangement is presented. Treatment of *N*-substituted 2-chloro(or hydroxy)acetamide, 2-tetrahydropyranyl-4-chloro-5-hydroxy(or chloro)-pyridazin-3-one and cesium carbonate in refluxing acetonitrile was afforded the corresponding pyridazino[4,5-*b*][1,4]oxazine-3,8-diones in excellent yield.



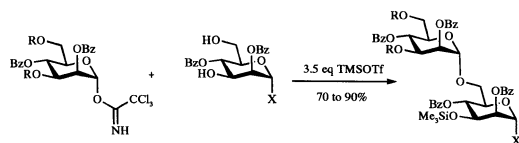
Regioselective glycosylation of 3,6-unprotected mannoside derivatives: fast access to high-mannose type oligosaccharides

Tetrahedron Letters 44 (2003) 8999

Nicolas Smiljanic, Sami Halila, Vincent Moreau* and Florence Djedaïni-Pilard

Laboratoire des Glucides, Université Picardie Jules Verne, 33 rue St-Leu, 80039 Amiens, France

Regioselective glycosylation of 3,6-unprotected mannoside acceptors leads to silylated disaccharides which can be used in subsequent glycosylation reactions.

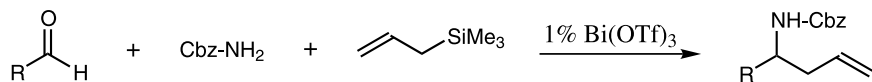


Highly efficient three-component synthesis of protected homoallylic amines by bismuth triflate-catalyzed allylation of aldimines

Tetrahedron Letters 44 (2003) 9003

Thierry Ollevier* and Tuyà Ba

Département de Chimie, Université Laval, Québec (Québec), Canada G1K 7P4

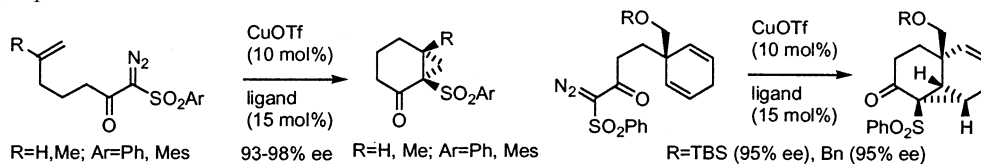


Enantioselective intramolecular cyclopropanation of α -diazo- β -keto sulfones: asymmetric synthesis of bicyclo[4.1.0]heptanes and tricyclo[4.4.0.0]decenes

Tetrahedron Letters 44 (2003) 9007

Masahiro Honma and Masahisa Nakada*

Department of Chemistry, School of Science and Engineering, Waseda University, 3-4-1 Ohkubo, Shinjuku-ku, Tokyo 169-8555, Japan



A novel, base-labile fluorous amine protecting group: synthesis and use as a tag in the purification of synthetic peptides

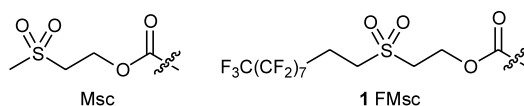
Tetrahedron Letters 44 (2003) 9013

Peter C. de Visser,^{a,c} Marcel van Helden,^a Dmitri V. Filippov,^{a,b} Gijsbert A. van der Marel,^a Jan W. Drijfhout,^b Jacques H. van Boom,^a Daan Noort^c and Herman S. Overkleeft^{a,*}

^a*Leiden Institute of Chemistry, Leiden University, PO Box 9502, 2300 RA Leiden, The Netherlands*

^b*Leiden University Medical Center, Leiden University, PO Box 9600, 2300 RC Leiden, The Netherlands*

^c*TNO Prins Maurits Laboratory, PO Box 45, 2280 AA Rijswijk, The Netherlands*

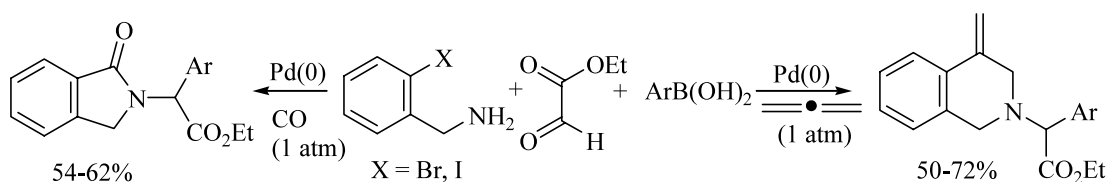


Synthesis of novel cyclic α -amino acid derivatives via a one-pot sequential Petasis reaction/palladium catalysed process

Tetrahedron Letters 44 (2003) 9017

Ronald Grigg,* Visuvanathar Sridharan and Abirami Thayaparan

Molecular Innovation, Diversity and Automated Synthesis (MIDAS) Centre, School of Chemistry, University of Leeds, Leeds LS2 9JT, UK

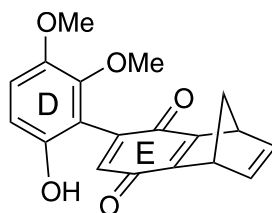


Investigations into arylquinone atropisomers: synthesis and evaluation

Tetrahedron Letters 44 (2003) 9021

Umar S. M. Maharoor and Gary A. Sulikowski*

Department of Chemistry, Texas A&M University, PO Box 30012, College Station, TX 77842-3012, USA



Electronic and steric effects of ligands as control elements for rhodium-catalyzed asymmetric hydrogenation

Ildikó Gergely,^a Csaba Hegedüs,^b Áron Szöllösy,^c Axel Monsees,^d Thomas Riermeier^d and József Bakos^{a,*}

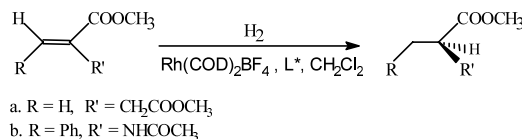
^aDepartment of Organic Chemistry, University of Veszprém, H-8201 Veszprém, PO Box 158, Hungary

^bResearch Group for Petrochemistry, Hungarian Academy of Sciences, H-8201 Veszprém, PO Box 158, Hungary

^cDepartment of General and Analytical Chemistry, Technical University of Budapest, H-1521 Budapest, Hungary

^dDegussa AG, Projecthause Catalyse, Industriepark Höchst, Building G830, D-65926 Frankfurt a. M., Germany

A series of electronically and sterically modified (*S*)-BINOL and (*S*)-H₈-BINOL ligands was synthesized and effects on the catalytic performance were studied.

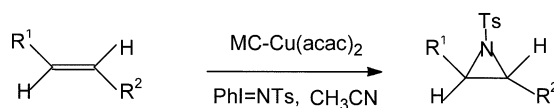


Microencapsulated Cu(acac)₂: a recoverable and reusable polymer-supported copper catalyst for aziridination of olefins

M. Lakshmi Kantam,^{a,*} B. Kavita,^a V. Neeraja,^a Y. Haritha,^a M. K. Chaudhuri^{b,*} and S. K. Dehury^b

^aIndian Institute of Chemical Technology, Hyderabad 500 007, India

^bDepartment of Chemistry, Indian Institute of Technology, Guwahati 81039, India



One-pot synthesis of polyfunctionalized α,β -unsaturated nitriles from nitroalkanes

Roberto Ballini,^{*} Dennis Fiorini, Maria Victoria Gil and Alessandro Palmieri

Dipartimento di Scienze Chimiche, Università di Camerino, Via S. Agostino 1, 62032 Camerino, Italy

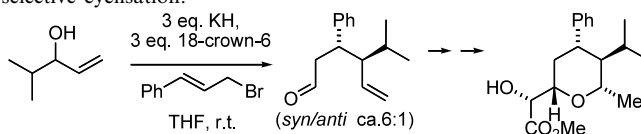


Short synthesis of a tetrasubstituted tetrahydropyran with five stereogenic centres—stereoselective double tandem rearrangements and cyclisation

Nicholas Greeves,^{*} Wai-Man Lee, Steven P. McLachlan, Graham H. Oakes, Mark Purdie and Jamie F. Bickley

Department of Chemistry, Robert Robinson Laboratories, University of Liverpool, Crown Street, Liverpool L69 7ZD, UK

A highly substituted tetrahydropyran with five stereogenic centres was constructed in five steps using a novel stereoselective double tandem reaction and a kinetically selective cyclisation.

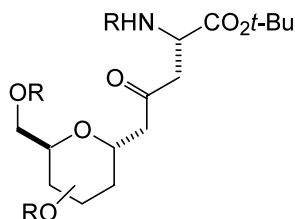


Stereoselective approach to C-glycosylasparagines

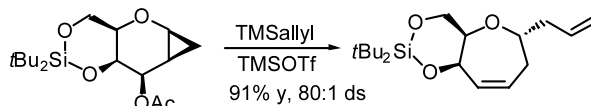
Barry Lygo,* Benjamin I. Andrews and Daniel Slack

School of Chemistry, University of Nottingham, Nottingham NG7 2RD, UK

A simple and efficient method for the stereoselective synthesis of C-glycosylasparagines of the type shown is described.

**Diastereoselective formation of seven-membered oxacycles by ring-expansion of cyclopropanated galactal**

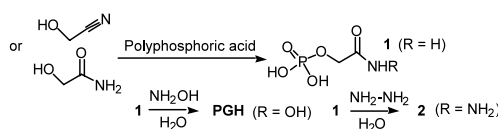
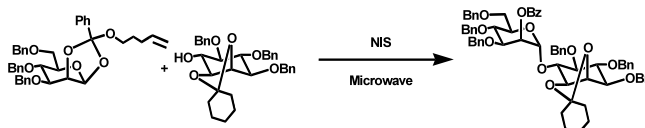
Rhys Batchelor and John O. Hoberg*

School of Chemical and Physical Sciences, Victoria University of Wellington, Wellington, New Zealand**New facile synthesis of phosphoglycolohydroxamic acid and other phosphoglycolic acid derivatives**

Philippe Weber, Matthieu Fonvielle and Michel Therisod*

Lab. Chimie Bioorganique et Bioinorganique, ICMO, Bat. 420, Université Paris-Sud, F-91405 Orsay, France

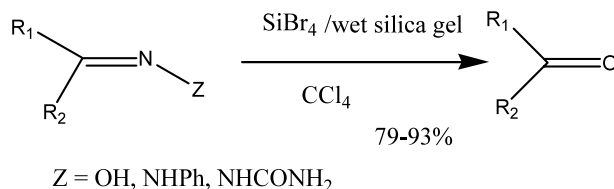
PGH is a known potent inhibitor of enzymes having dihydroxyacetone-phosphate as substrate.

**Microwave-assisted saccharide coupling with *n*-pentenyl glycosyl donors**Felix Mathew,^a K. N. Jayaprakash,^a Bert Fraser-Reid,^{a,*} Jessy Mathew^{b,*} and Jan Scicinski^b^a*Natural Products and Glycotechnology Research Institute, Inc., 4118 Swarthmore Road, Durham, NC 27707, USA*^b*Nuada Pharmaceuticals, Inc., 4324 South Alston Avenue, Durham, NC 27713, USA*

SiBr₄/wet silica gel as an efficient heterogeneous system for cleavage of C=N

Surya Kanta De

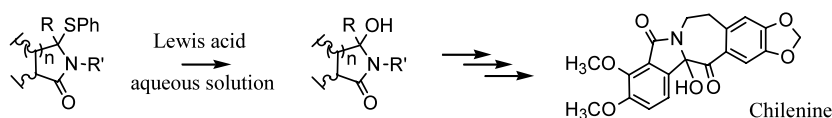
Department of Chemistry, University of Washington, Seattle, WA 98195, USA



Lewis acid-promoted tandem desulfurization and hydroxylation of γ -phenylthio-substituted lactams: novel synthetic strategy of isoindolobenzazepine alkaloid, chilenine

Hidemi Yoda,* Kei-ichi Inoue, Yasuaki Ujihara, Nobuyuki Mase and Kunihiro Takabe

Department of Molecular Science, Faculty of Engineering, Shizuoka University, Johoku 3-5-1, Hamamatsu 432-8561, Japan



Synthesis of mono-, di-, and trinitro tricarboxymethyl calix[6]arenes for the complexation of uranium(VI)

Rachid Souane, Véronique Hubscher, Zouhair Asfari, Françoise Arnaud* and Jacques Vicens*

UMR 7512 (CNRS-ULP), ECPM, 25 rue Becquerel, F-67087 Strasbourg Cedex 2, France

Mono-, di-, and trinitro tricarboxymethyl calix[6]arenes **3(a-c)** have been synthesised their acid-base behaviour determined by potentiometric investigations. It was shown that the nitro groups does not play a major role on the acid-base properties. Preliminary complexation of uranyl is presented.

