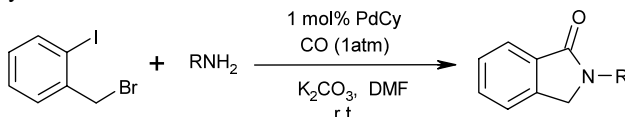
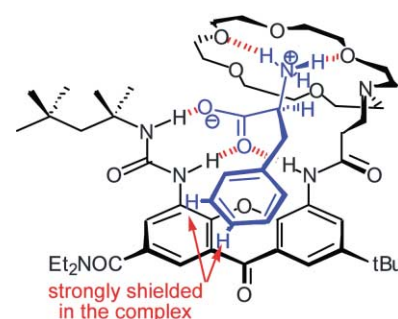
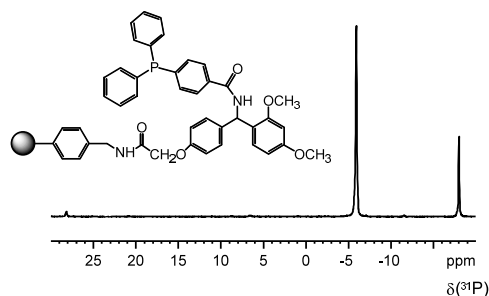
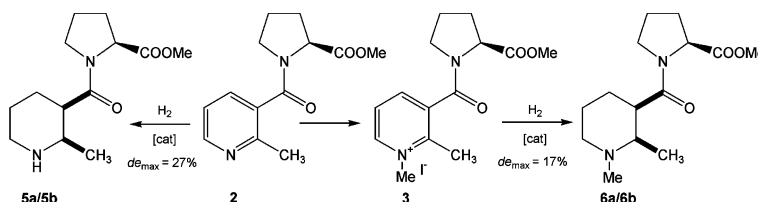


Isoindolinones via a room temperature palladium nanoparticle-catalysed 3-component cyclative carbonylation–amination cascade*Tetrahedron Letters 44 (2003) 6979*Ronald Grigg,^{a,*} Lixin Zhang,^a Simon Collard^b and Ann Keep^b^a*Molecular Innovation, Diversity and Automated Synthesis (MIDAS) Centre, School of Chemistry, Leeds University, Leeds LS2 9JT, UK*^b*Johnson Matthey, Orchard Road, Royston, Herts SG8 5HE, UK*A palladium-catalysed phosphine free cascade process involving Pd nanoparticles, generated from 1 mol% palladacycle **5**, affords isoindolinones in good yields at 20–80°C.**A xanthone-based neutral receptor for zwitterionic amino acids***Tetrahedron Letters 44 (2003) 6983*

José V. Hernández, Francisco M. Muñiz, Ana I. Oliva, Luis Simón, Emilio Pérez and Joaquín R. Morán*

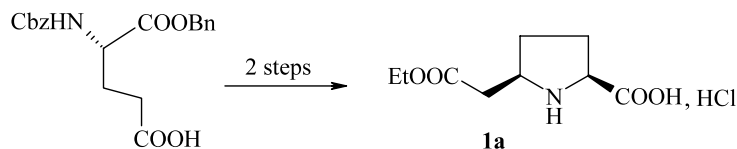
Departamento de Química Orgánica, Plaza de los Caidos 1-5, Universidad de Salamanca, E-37008 Salamanca, Spain**Improved reproducibility of chemical reactions on purified polystyrene resins monitored by ³¹P MAS NMR***Tetrahedron Letters 44 (2003) 6987*Daniel Rentsch,^{a,*} Roland Hany,^a Sophie Barthélémy^b and René Steinauer^b^a*Swiss Federal Laboratories for Materials Testing and Research (EMPA), Ueberlandstr. 129, CH-8600 Dübendorf, Switzerland*^b*Merck Biosciences AG, Weidenmattweg 4, CH-4448 Läfelfingen, Switzerland***Diastereoselective heterogeneous catalytic hydrogenation of 2-methyl nicotinic acid using pyrrolidate chiral auxiliary***Tetrahedron Letters 44 (2003) 6991*Najiba Douja,^a Raluca Malacea,^{a,b} Mircea Banciu,^b Michèle Besson^a and Catherine Pinel^{a,*}^a*IRC-CNRS, 2 Av Albert Einstein, 69626 Villeurbanne Cedex, France*^b*University Politehnica of Bucharest, Department of Organic Chemistry, 313 Splaiul Independentei, Bucharest, Romania*

An alternative route to the proline derivative (2*S*,5*R*)-5-ethoxycarbonylmethyl-pyrrolidine-2-carboxylic acid from protected glutamic acid

Marie-Priscille Brun,^a Anne-Sophie Martin,^b Christiane Garbay^{a,*} and Laurent Bischoff^a

^aFRE 2718 CNRS, INSERM U266, UFR Biomédicale 45, rue des Saints-Pères 75270 Paris Cedex 06, France

^bFRE 2463 CNRS, INSERM U266, Faculté de Pharmacie 4, av de l'Observatoire 75270 Paris Cedex 06, France



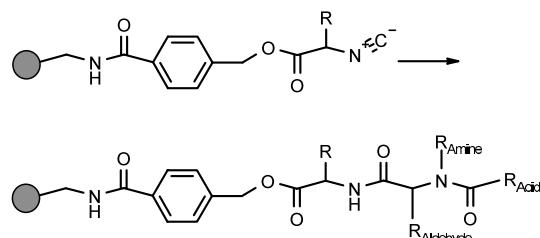
New method for the preparation of solid-phase bound isocyanocarboxylic acids and Ugi reactions therewith

Bernd Henkel,^{a,*} Michael Sax^b and Alexander Dömling^a

^aMorphochem AG, Gmunder Str. 37-37A, D-81379 München, Germany

^bWestfälische Wilhelms-Universität Münster, Institut für Medizinische und Pharmazeutische Chemie, Hittorfstr. 58-62, D-48149 Münster, Germany

A novel method of synthesizing solid-phase bound isocyanocarboxylic acids is reported. 32 Ugi reactions were performed and 24 products were obtained.



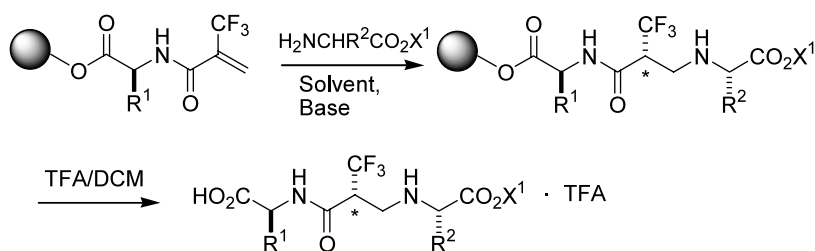
Stereocontrolled solid-phase synthesis of fluorinated partially-modified retropeptides via tandem aza-Michael/enolate-protonation

Alessandro Volonterio,^{a,*} Gema Chiva,^b Santos Fustero,^b Julio Piera,^b Maria Sanchez Rosello,^b Monica Sani^c and Matteo Zanda^{c,*}

^aDipartimento di Chimica, Materiali ed Ingegneria Chimica 'G. Natta' del Politecnico di Milano, via Mancinelli 7, I-20131 Milano, Italy

^bDepartamento de Química Orgánica, Facultad de Farmacia, Universidad de Valencia, 46100-Burjassot (Valencia), Spain

^cC.N.R.—Istituto di Chimica del Riconoscimento Molecolare, sezione 'A. Quilico', via Mancinelli 7, I-20131 Milano, Italy

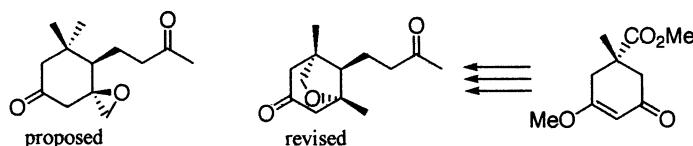


Synthesis and structural revision of annuionone A

Hirosato Takikawa,^{a,*} Kazuhiko Isono,^a Mitsuru Sasaki^a and Francisco A. Macías^b

^aDepartment of Biofunctional Chemistry, Kobe University, Rokkodai, Nada-ku, Kobe 657-8501, Japan

^bGrupo de Aleopatía, Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Cádiz, C/ República Saharaui s/n, Apdo. 40, 11510-Puerto Real (Cádiz) Spain

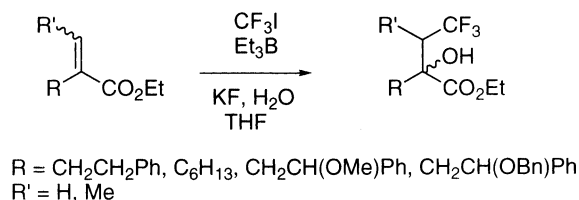


Radical-mediated hydroxytrifluoromethylation of α,β -unsaturated esters

Tetrahedron Letters 44 (2003) 7027

Tomoko Yajima, Hajime Nagano* and Chiaki Saito

Department of Chemistry, Faculty of Science, Ochanomizu University, Otsuka, Bunkyo-ku, Tokyo 112-8610, Japan

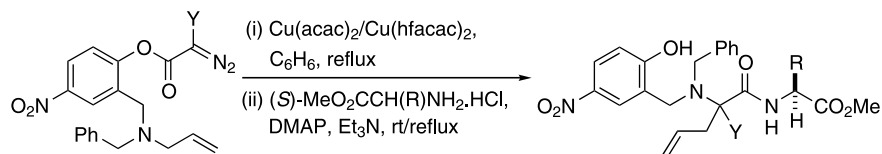


Direct peptide coupling of novel amino acid derivatives produced by rearrangement of catalytically generated ammonium ylides

Tetrahedron Letters 44 (2003) 7031

J. Stephen Clark* and Mark D. Middleton

School of Chemistry, University of Nottingham, University Park, Nottingham NG7 2RD, United Kingdom

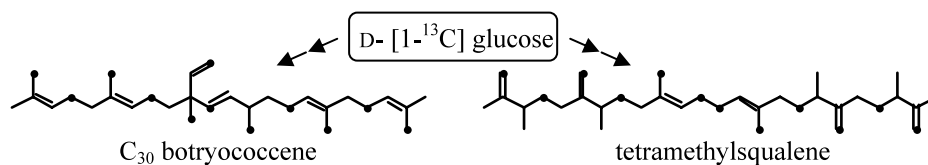


Biosynthesis of the triterpenoids, botryococcenes and tetramethylsqualene in the B race of *Botryococcus braunii* via the non-mevalonate pathway

Tetrahedron Letters 44 (2003) 7035

Yohei Sato, Yusai Ito, Shigeru Okada,* Masahiro Murakami and Hiroki Abe

Laboratory of Marine Biochemistry, Graduate School of Agricultural and Life Sciences, The University of Tokyo, Bunkyo, Tokyo 113-8657, Japan



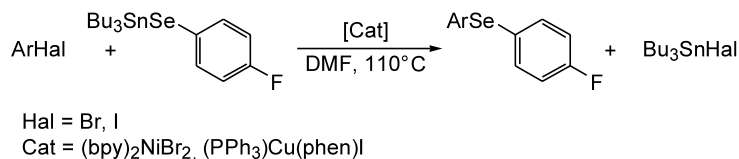
Copper(I)-catalyzed arylselenenylation of aryl bromides and iodides

Tetrahedron Letters 44 (2003) 7039

Irina P. Beletskaya,^{a,*} Alexander S. Sigeev,^a Alexander S. Peregudov^b and Pavel V. Petrovskii^b

^a*Moscow State University, Chemistry Department, Leninskie Gory, Moscow 119992, Russia*

^b*A. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Science, Vavilova str. 28, V-344, Moscow 119991, Russia*

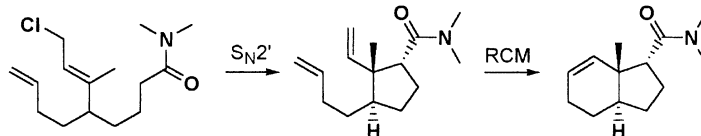


Efficient construction of bicyclic systems by an internal S_N2' enolate alkylation/ring-closing metathesis (RCM) strategy: a concise synthesis of the *trans*-hydrindane nucleus

Hyunil Jo,^a Jongkook Lee,^a Hyongsu Kim,^a Sanghee Kim^b and Deukjoon Kim^{a,*}

^aResearch Institute of Pharmaceutical Sciences, College of Pharmacy, Seoul National University, San 56-1, Shinrim-Dong, Kwanak-Ku, Seoul 151-742, South Korea

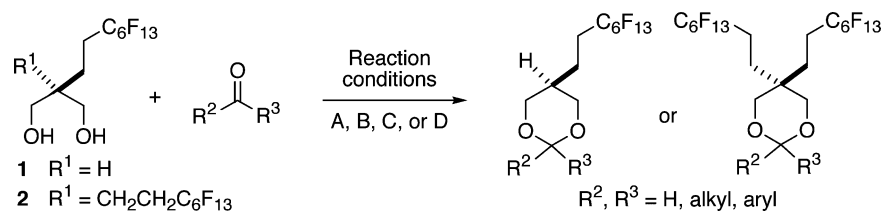
^bNatural Products Research Institute, College of Pharmacy, Seoul National University, 28 Yungun, Jongro-Ku, Seoul 110-460, South Korea



Synthesis of fluororous acetal derivatives of aldehydes and ketones

Roger W. Read* and Chutian Zhang

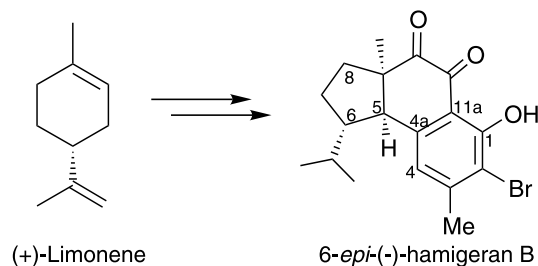
School of Chemical Sciences, The University of New South Wales, UNSW Sydney NSW 2052, Australia



Enantiospecific total synthesis of 6-*epi*-(–)-hamigeran B. Intramolecular Heck reaction in a sterically constrained environment

Goverdhan Mehta* and Harish M. Shinde

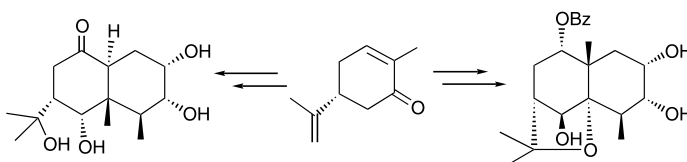
Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India



A general, ring closure metathesis based enantiospecific approach to polyfunctional eudesmane, eremophilane and agarofuran sesquiterpenoids

Goverdhan Mehta* and R. Senthil Kumaran

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India

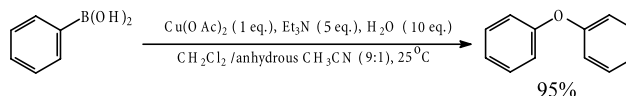


Synthesis of symmetrical diaryl ethers from arylboronic acids mediated by copper(II) acetate

Tetrahedron Letters 44 (2003) 7061

A. D. Sagar,* R. H. Tale and R. N. Adude

School of Chemical Sciences, S. R. T. M. University, Nanded-431 606 Maharashtra, India

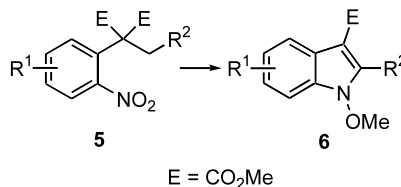


A direct entry to the 1-methoxyindole skeleton and to the corresponding indoles by a novel rearrangement: general syntheses of substituted 1-methoxyindoles

Tetrahedron Letters 44 (2003) 7065

N. Selvakumar,* B. Yadi Reddy, A. Malar Azhagan, Manoj Kumar Khera, J. Moses Babu and Javed Iqbal

Department of Discovery Chemistry, Discovery Research, Dr. Reddy's Laboratories Ltd., Miyapur, Hyderabad 500 050, India

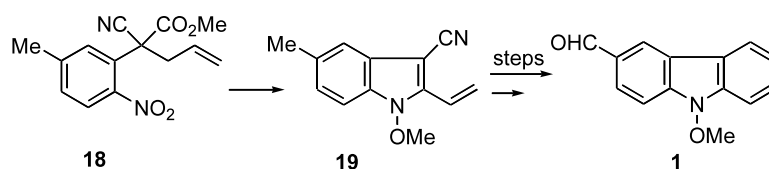


An efficient total synthesis of 9-methoxycarbazole-3-carbaldehyde based on a novel methodology for the preparation of methoxyindoles

Tetrahedron Letters 44 (2003) 7071

N. Selvakumar,* Manoj Kumar Khera, B. Yadi Reddy, D. Srinivas, A. Malar Azhagan and Javed Iqbal

Department of Discovery Chemistry, Discovery Research, Dr. Reddy's Laboratories Ltd., Miyapur, Hyderabad 500 050, India



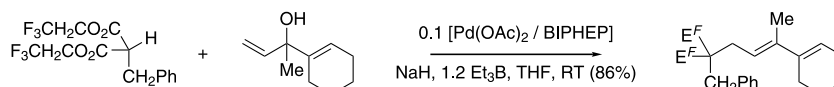
Palladium-catalyzed regiocontrolled and stereoselective alkylations of bis(trifluoroethyl) malonates with dienyl alcohols

Tetrahedron Letters 44 (2003) 7075

James M. Takacs,* Xun-tian Jiang and Alexei P. Leonov

Department of Chemistry, University of Nebraska-Lincoln, Lincoln, NE 68588-0304, USA

The triethylborane-promoted and palladium-catalyzed reactions of 2,4-dienyl alcohols or the corresponding divinyl alcohols with bis(trifluoroethyl) malonates provide an improved method for the regio- and stereoselective dienylation of malonates.

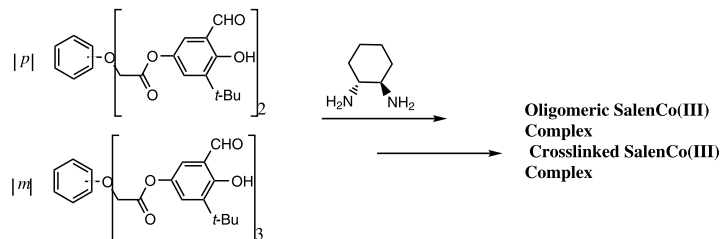


Highly enantioselective resolution of terminal epoxides with cross-linked polymeric salen–Co(III) complexes

Tetrahedron Letters 44 (2003) 7081

Yuming Song, Huilin Chen, Xinquan Hu, Changmin Bai and Zhuo Zheng*

Dalian Institute of Chemical Physics, The Chinese Academy of Sciences, Dalian, 116023, PR China



A novel and efficient 4-oxothiazolidine-1,2-dithiole rearrangement induced by Lawesson's reagent

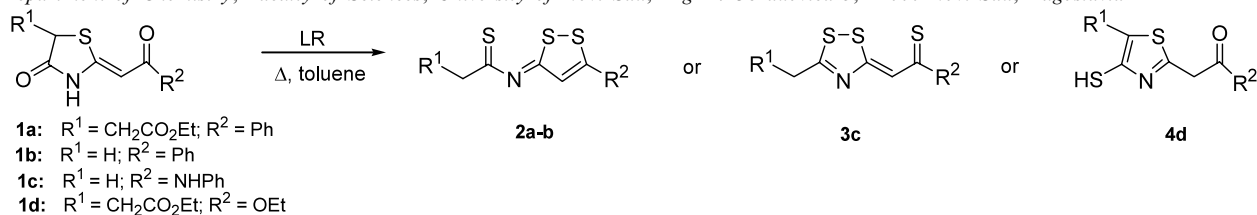
Tetrahedron Letters 44 (2003) 7087

Rade Markovic,^{a,b,*} Marija Baranac^{a,b} and Stanka Jovetic^c

^a*Faculty of Chemistry, University of Belgrade, Studentski trg 16, PO Box 158, 11001 Belgrade, Yugoslavia*

^b*Center for Chemistry ICTM, PO Box 473, 11000 Belgrade, Yugoslavia*

^c*Department of Chemistry, Faculty of Sciences, University of Novi Sad, Trg D. Obradovica 3, 21000 Novi Sad, Yugoslavia*

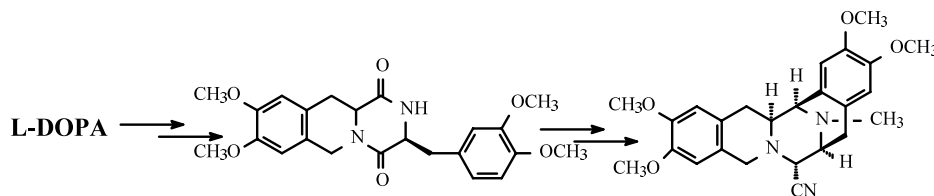


A new efficient synthetic process for the construction of the pentacyclic core of marine alkaloid ecteinascidins

Tetrahedron Letters 44 (2003) 7091

Ye-Feng Tang, Zhan-Zhu Liu* and Shi-Zhi Chen

Institute of Materia Medica, Peking Union Medical College and Chinese Academy of Medical Sciences, Beijing 100050, PR China



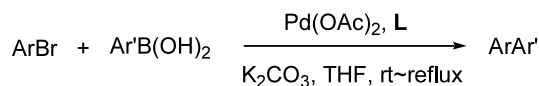
Palladium-catalyzed Suzuki–Miyaura reaction using aminophosphine as ligand

Tetrahedron Letters 44 (2003) 7095

Jiang Cheng,^b Feng Wang,^a Jian-Hua Xu,^b Yi Pan^b and Zhaoguo Zhang^{a,*}

^a*State Key laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, China*

^b*Department of Chemistry, Nanjing University, 22 Hankou Road, Nanjing 210093, China*



Yield: up to 99%, TON up to 8,600

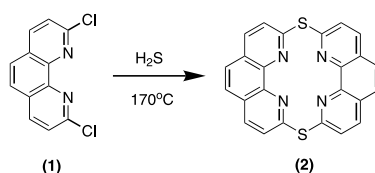
L: Ph₂PNR¹R²

Facile one-step synthesis of a thia-bridged bis-1,10-phenanthroline macrocycle

Tetrahedron Letters 44 (2003) 7099

Wen-Jwu Wang,* Abdurrahman Sengul, Chi-Feng Luo, Hsien-Chang Kao and Yi-Hung Cheng

Tamkang University, Department of Chemistry, Taipei 25137, Taiwan



Liquid-phase synthesis of 2,3-dihydro-4-pyridones: one-pot three-component aza Diels–Alder reaction of Danishefsky's diene with aldehydes and PEG-supported amine

Tetrahedron Letters 44 (2003) 7103

Hongchao Guo and Kuiling Ding*

State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, The Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, PR China

