Graphical abstracts

The chemistry of diaminomaleonitrile and its utility in heterocyclic synthesis

Tetrahedron 59 (2003) 2749

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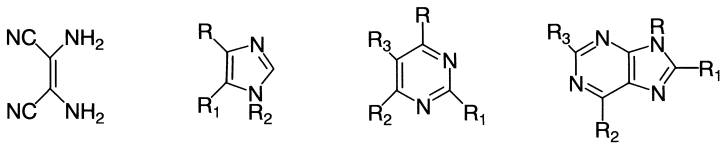

Acetal formation by solvolysis of glucal-derived donor–acceptor cyclopropanes

Tetrahedron 59 (2003) 2765

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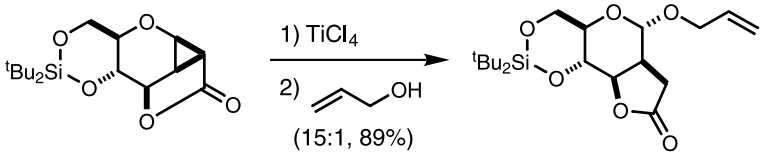

Synthesis of regio- and stereoselective alkoxy-substituted spirobifluorene derivatives for blue light emitting materials

Tetrahedron 59 (2003) 2773

Hyoyoung Lee,[a,*] Jiyoung Oh,[a] Hye Yong Chu,[a] Jeong-Ik Lee,[a] Seong Hyun Kim,[a] Yong Suk Yang,[a] Gi Heon Kim,[a] Lee-Mi Do,[a] Taehyoung Zyung,[a] Jouhahn Lee[b] and Yongsup Park[b]

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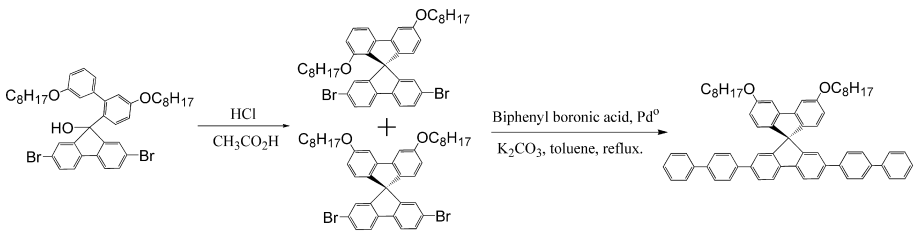

New approach toward the total synthesis of (+)-aphidicolin by tandem transannular Diels–Alder/aldol strategy

Tetrahedron 59 (2003) 2781

François Bilodeau, Laurence Dubé and Pierre Deslongchamps*

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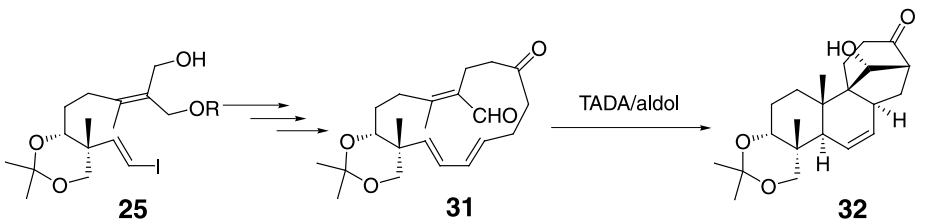

Palladium-catalyzed carbonylative coupling of pyridine halides with aryl boronic acids

Tetrahedron 59 (2003) 2793

Samuel Couve-Bonnaire,[a] Jean-François Carpentier,[b] André Mortreux[a] and Yves Castanet[a,*]

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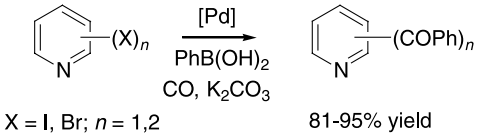
The control of the reaction conditions, i.e. solvent, catalyst precursor, CO pressure, temperature, enables the facile and selective transformation of mono- and dihalopyridines into phenyl pyridyl ketones.



Synthesis of furan 4′-thio-*C*-nucleosides, their methylsulfonium and sulfoxide derivatives. Evaluation as glycosidase inhibitors

Tetrahedron 59 (2003) 2801

Víctor Ulgar,[a] Óscar López,[a,b] Inés Maya,[a] José G. Fernández-Bolaños[a,*] and Mikael Bols[b]

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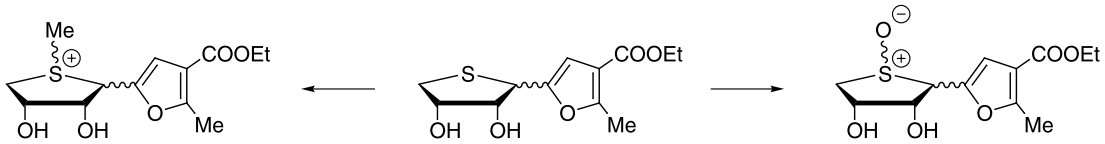
[b]*Department of Chemistry, Aarhus University, DK-8000 Aarhus C, Denmark*



One-pot syntheses of 2-pyrazoline derivatives

Tetrahedron 59 (2003) 2811

Werner Seebacher,[a,*] Günther Michl,[b] Ferdinand Belaj,[c] Reto Brun,[d] Robert Saf[e] and Robert Weis[a,*]

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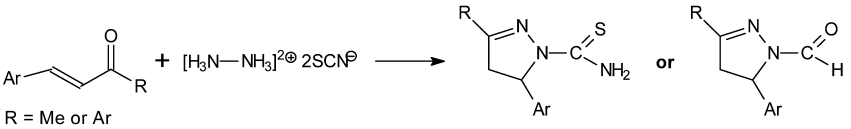
[b]*Schering A.G., Müllerstrasse 170-178, D-13342 Berlin, Germany*
[c]*Institute of Chemistry, Karl-Franzens-University, Universitätsplatz 1, A-8010 Graz, Austria*
[d]*Swiss Tropical Institute, Socinstrasse 57, CH-4002 Basel, Switzerland*
[e]*Institute of Chemical Technology of Organic Materials, Erzherzog-Johann University, Stremayrgasse 26/1, A-8010 Graz, Austria*

α,β-Unsaturated ketones and hydrazinediium dithiocyanate give 1-thiocarbamoylpyrazolines or 1-formylpyrazolines.



Regioselective Diels–Alder reactions of 3-indolylquinones

Tetrahedron 59 (2003) 2821

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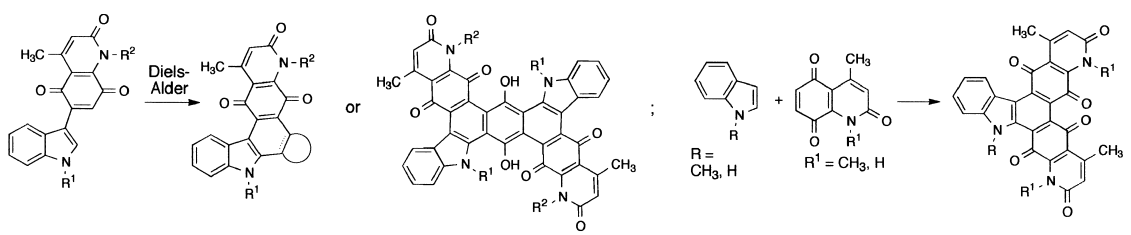
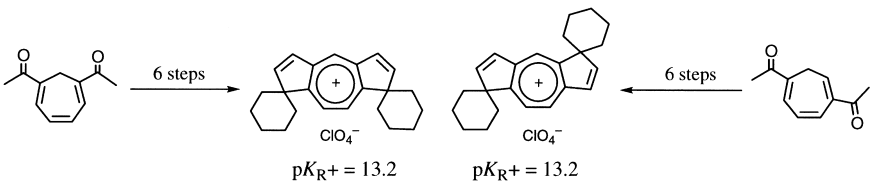


Synthesis, stability and molecular structure of novel hydrocarbon cations consisting of a tropylium cation and two spiro[4.5]deca-2,4-dienes

Tetrahedron 59 (2003) 2831

Mitsunori Oda,* Hitoshi Kainuma, Takuya Uchiyama, Ryuta Miyatake and Shigeyasu Kuroda

Department of Applied Chemistry, Faculty of Engineering, Toyama University, Gofuku 3190, Toyama 930-8555, Japan



A convenient preparation of furo[2,3-*b*]indoles by conjugated addition of organomagnesium reagents to 2-hydroxy-indolylidenemalonates

Tetrahedron 59 (2003) 2843

Martha S. Morales-Ríos,[a,*] Norma F. Santos-Sánchez,[a] M. Jonathan Fragoso-Vázquez,[a,b] David Alagille,[a] J. Roberto Villagómez-Ibarra[b] and Pedro Joseph-Nathan[a]

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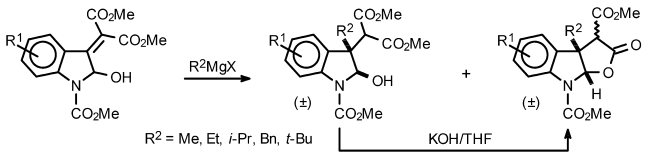
[b]*Centro de Investigaciones Químicas, Universidad Autónoma del Estado de Hidalgo, Apartado 1-622, Pachuca, Hidalgo 42001, Mexico*



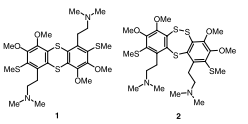
Lissoclinotoxins E and F, novel cytotoxic alkaloids from a Philippine didemnid ascidian

Tetrahedron 59 (2003) 2855

Rohan A. Davis,[a] Imelda T. Sandoval,[a,b] Gisela P. Concepcion,[c] Rosana Moreira da Rocha[d] and Chris M. Ireland[a,*]

[a]*Department of Medicinal Chemistry, University of Utah, Salt Lake City, UT 84112, USA*
[b]*Huntsman Cancer Institute, University of Utah, Salt Lake City, UT 84112, USA*
[c]*Marine Science Institute, University of the Philippines, Diliman, Quezon City 1101, Philippines*
[d]*Departamento de Zoologia, Universidade Federal do Paraná, C.P. 19020, 81.531-980 Curitiba, Brazil*

Bioassay-guided fractionation of the MeOH extract from a Philippine didemnid ascidian resulted in the isolation of two new dimeric alkaloids, lissoclinotoxins E (**1**) and F (**2**). The polysulfide structures for compounds **1** and **2** were determined by interpretation of spectroscopic data and chemical degradation. Alkaloids **1** and **2** displayed IC_{50} values of 2.3 and 1.5 μg/mL, respectively, towards the PTEN-deficient human breast carcinoma cell line, MDA-MB-468.



Synthesis and comparison of physicochemical, transport, and antithrombic properties of a cyclic prodrug and the parent RGD peptidomimetic

Tetrahedron 59 (2003) 2861

Christine R. Xu, Henry T. He, Xiaoping Song and Teruna J. Siahaan*

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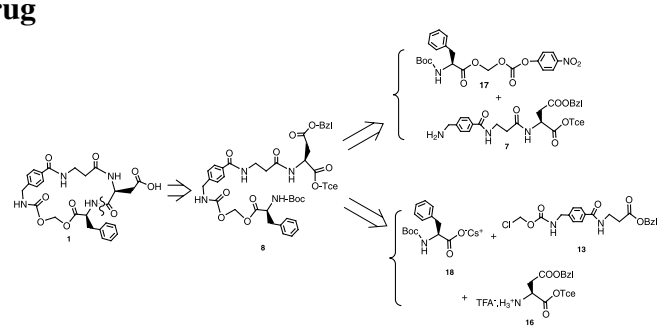

Stereoselective reduction of arteannuin B and its chemical transformations

Tetrahedron 59 (2003) 2871

Asish K. Bhattacharya,[a,*] Mahesh Pal,[a] Dharam C. Jain,[a] Bhawani S. Joshi,[b] Raja Roy,[b] Urszula Rychlewska[c] and Ram P. Sharma[d]

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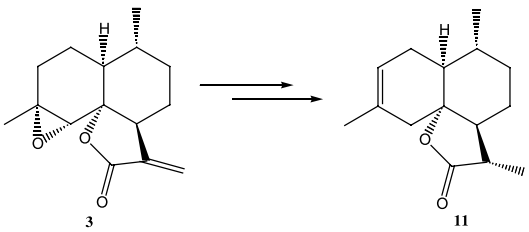

Substituent effects in the ring-chain tautomerism of 1,3-diaryl-2,3-dihydro-1*H*-naphth[1,2-*e*][1,3]oxazines

Tetrahedron 59 (2003) 2877

István Szatmári, Tamás A. Martinek, László Lázár and Ferenc Fülöp*

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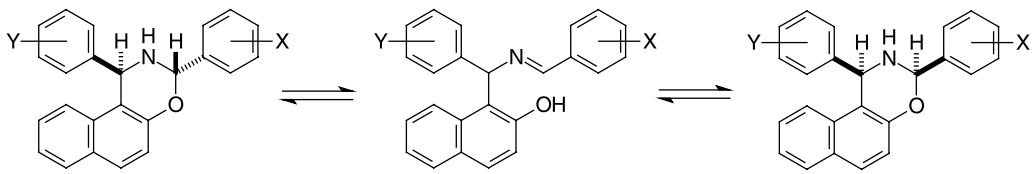


X, Y = NO_2(*p*), NO_2(*m*), Br(*m*), Cl(*p*), H, Me(*p*), OMe(*p*), NMe_2(*p*)

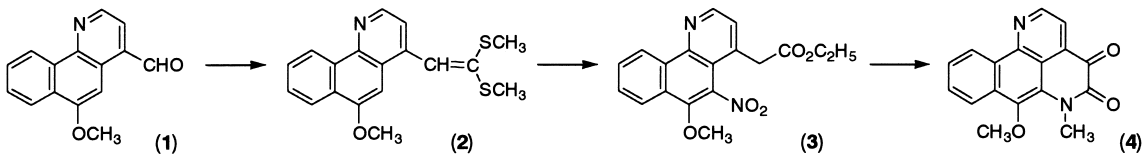
Synthetic studies of imbiline 1, a constituent of *Eupomatia* species

Tetrahedron 59 (2003) 2885

Yoshiyasu Kitahara,* Masaaki Mochii, Masakazu Mori and Akinori Kubo

Meiji Pharmaceutical University, 2-522-1 Noshio, Kiyose, Tokyo 204-8588, Japan

Imbiline 1 (**4**), a tetracyclic aza-aromatic alkaloid, was synthesized from 4-methoxy-1-naphthylamine hydrochloride via benzo[*h*]quinoline (**1**–**3**) in seven steps.



An unusual behaviour of *N*-(*tert*-butoxycarbonyl)- and *N*-pivaloyl-(methylthio)anilines in metallation reactions

Tetrahedron 59 (2003) 2893

Maria Grazia Cabiddu, Salvatore Cabiddu,* Enzo Cadoni, Stefania De Montis, Claudia Fattuoni* and Stefana Melis

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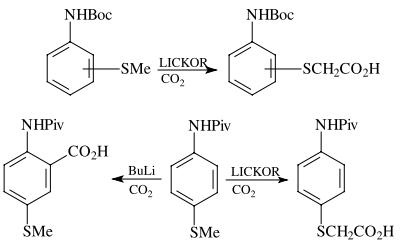

Cycloaddition reactions of β-trifluoroacetylvinyl ethers

Tetrahedron 59 (2003) 2899

Shizheng Zhu,[a,*] Guifang Jin,[a] Weimin Peng[a] and Qichen Huang[b]

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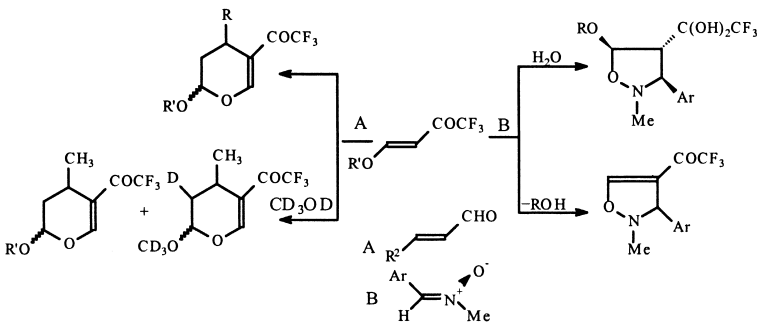
[b]*Department of Chemistry, Peking University, Beijing 100871, People's Republic of China*



Synthesis of spiro pyrrolidines via formal [3+2] cycloaddition of unusual enones and *cis*-3-benzoyl-1-cyclohexyl-2-phenylaziridine

Tetrahedron 59 (2003) 2907

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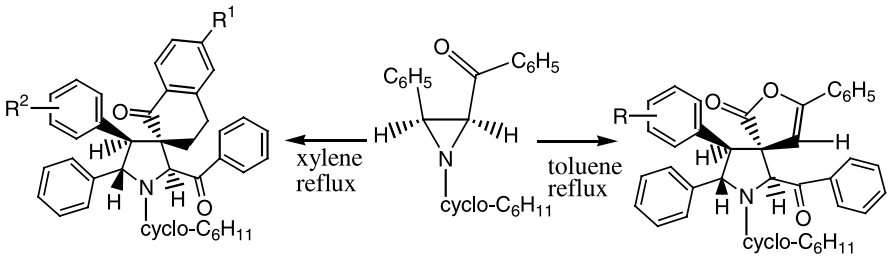

Photoinduced SET phthalimidation of unactivated double bonds and its application to the synthesis of protected phenethylamines

Tetrahedron 59 (2003) 2913

Rafael Suau,* Rafael García-Segura, Cristobal Sánchez-Sánchez, Ezequiel Pérez-Inestrosa and Ana María Pedraza

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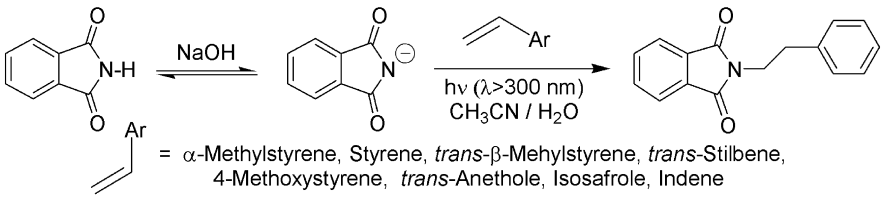

Synthesis of 1-lyso-2-palmitoyl-*rac*-glycero-3-phosphocholine and its regioisomers and structural elucidation by NMR spectroscopy and FAB tandem mass spectrometry

Tetrahedron 59 (2003) 2921

Young-Ah Kim,[a] Myoung-Soon Park,[a] Young Hwan Kim[b,*] and So-Yeop Han[a,*]

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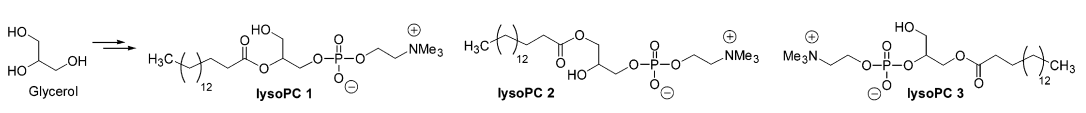

Preparation of 14,36-didehydro pristinamycins IIs

Tetrahedron 59 (2003) 2929

Baptiste Ronan,* Eric Bacqué, Jean-Claude Barrière and Serge Sablé

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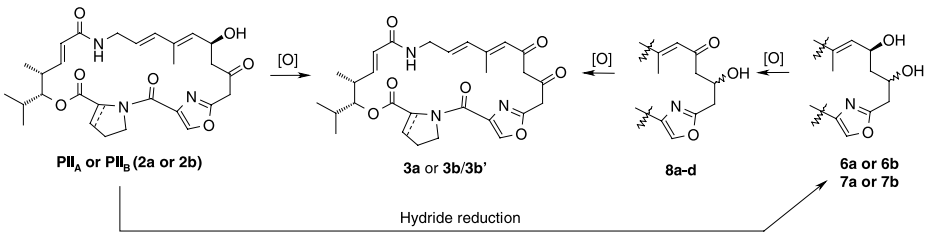

Synthesis and photochemical behavior of donor–acceptor systems obtained from chloro-1,4-naphthoquinone attached to *trans*-aminostilbenes

Tetrahedron 59 (2003) 2939

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