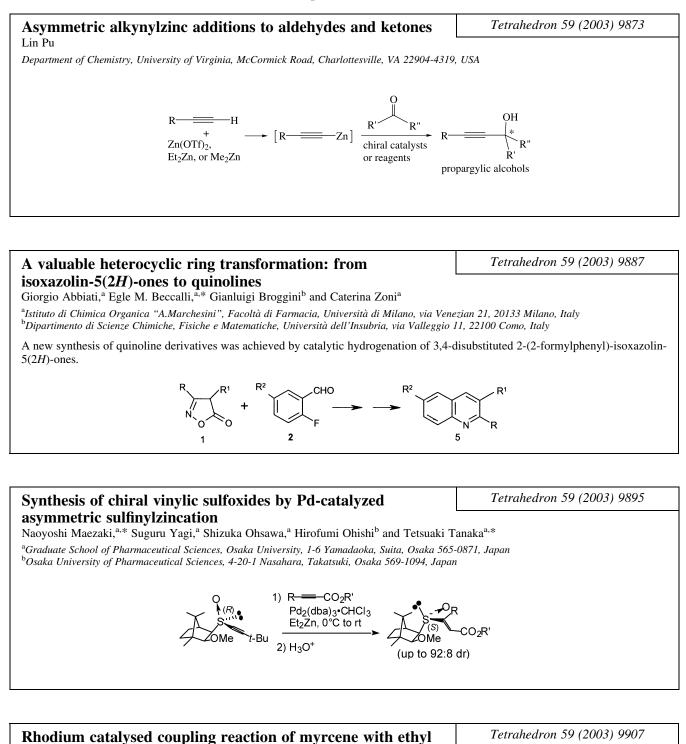
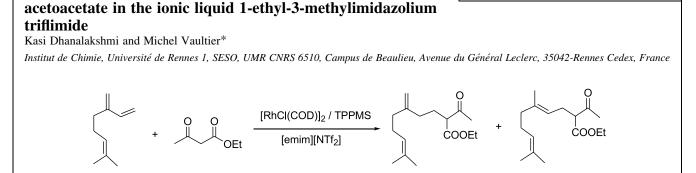
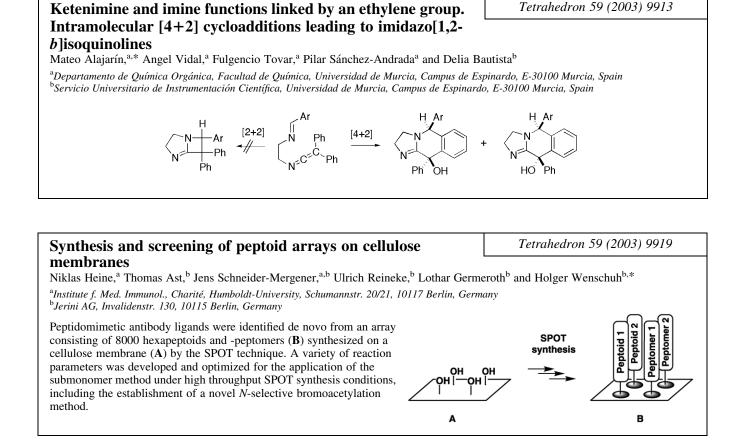
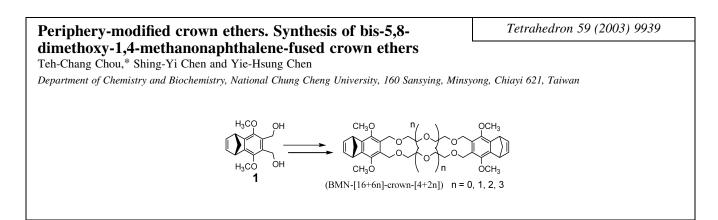
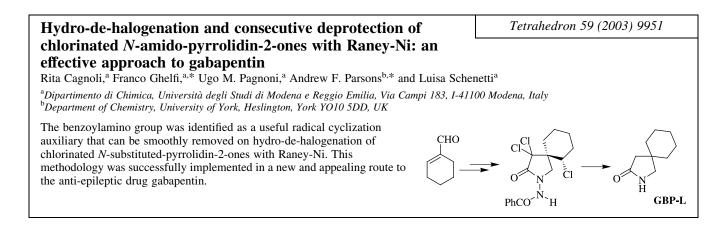
Graphical abstracts







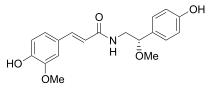




Synthesis, stereochemistry confirmation and biological activity evaluation of a constituent from *Isodon excisus* Xuechao Xing, Pei Ho, Geoffroy Bourquin, Li-An Yeh and Gregory D. Cuny*

Tetrahedron 59 (2003) 9961

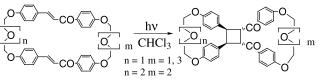
Laboratory for Drug Discovery in Neurodegeneration, Brigham and Women's Hospital and Harvard Medical School, 65 Landsdowne St., Cambridge, MA 02139, USA



Photocycloaddition of chalcones to yield cyclobutyl ditopic cyclophanes

Tetrahedron 59 (2003) 9971

Francesca R. Cibin,^a Nicoletta Di Bello,^a Giancarlo Doddi,^{a,*} Vincenzo Fares,^{b,*} Paolo Mencarelli^{a,*} and Elio Ullucci^a ^aDipartimento di Chimica e CNR IMC-Sez. Meccanismi di Reazione, Università di Roma 'La Sapienza', P.le Aldo Moro 5, 00185 Roma, Italy ^bIstituto di Cristallografia, Sez. di Monterotondo, Area della Ricerca Roma1 del CNR, Via Salaria Km 29,300, CP 10, 00016 Monterotondo Stazione, Italy



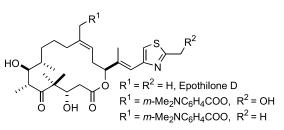
Synthesis and biological evaluation of fluorescently labeled epothilone analogs for tubulin binding studies

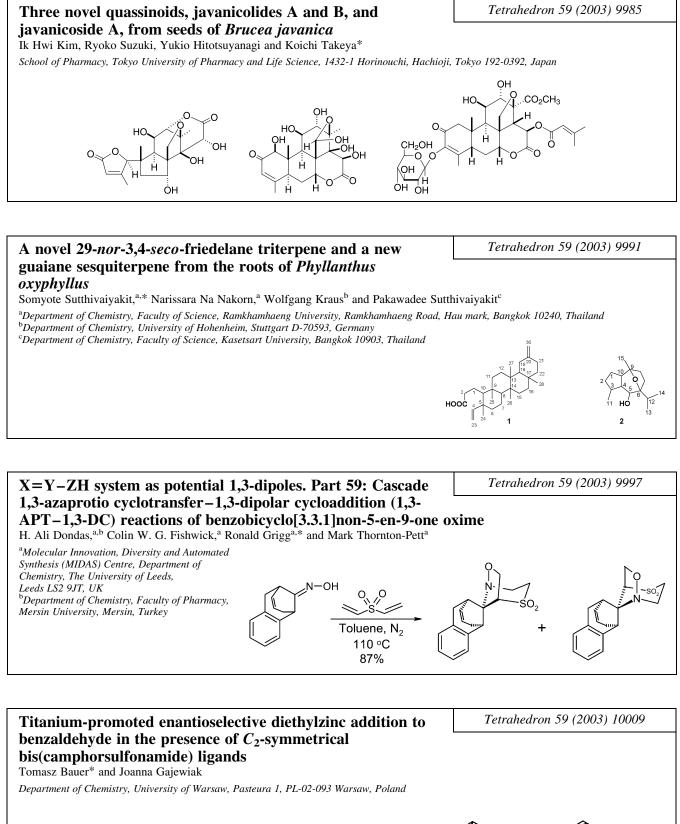
Tetrahedron 59 (2003) 9979

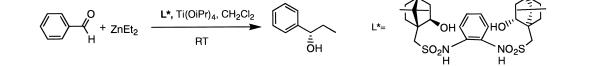
Thota Ganesh,^a Jennifer K. Schilling,^a Radha K. Palakodety,^a Rudravajhala Ravindra,^b Natasha Shanker,^b Susan Bane^b and David G. I. Kingston^{a,*}

^aDepartment of Chemistry, Virginia Polytechnic Institute and State University, 3111 Hahn Hall, MC 0212, Blacksburg, VA 24061, USA ^bDepartment of Chemistry, State University of New York, Binghamton, NY 13902, USA

Two fluorescently labeled epothilone D analogs have been synthesized using known strategies. The cytotoxicities of the synthetic compounds in two cell lines and the fluorescent properties of the molecules are described.







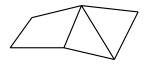
Tricyclo[2.2.0.0^{1,3}]hexane: a new hypothetical molecule which should have only one inverted carbon atom

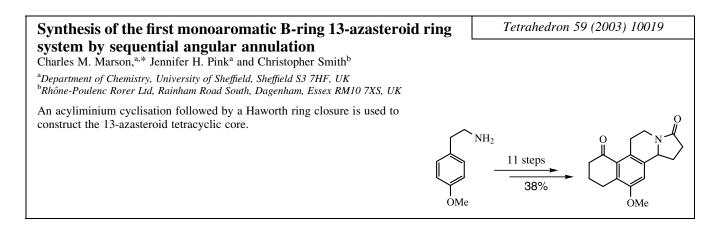
Tetrahedron 59 (2003) 10013

H. Dodziuk,^{a,*} G. Dolgonos^a and J. Leszczynski^{b,*}

^aInstitute of Physical Chemistry, Polish Academy of Sciences, Kasprzaka 44, 01-224 Warsaw, Poland ^bDepartment of Chemistry, Computational Center for Molecular Structure and Interactions, Jackson State University, Jackson, MS 39217, USA

According to MP2/cc-pVTZ calculations, hypothetical tricyclo[2.2.0.0^{1,3}]hexane has a single inverted carbon atom.





Synthesis and antimycotic activity of new unsymmetrical substituted zinc phthalocyanines

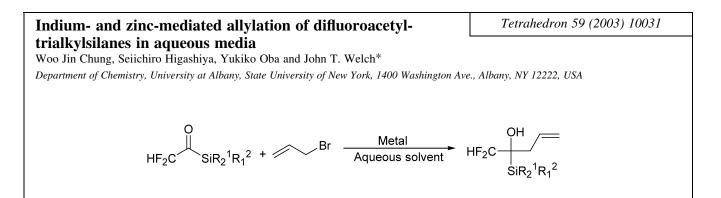
Tetrahedron 59 (2003) 10025

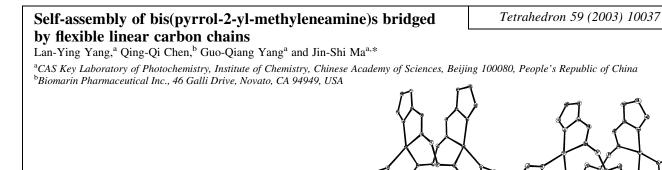
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Barbara Cosimelli,^{a,*} Gabrio Roncucci,^b Donata Dei,^b Lia Fantetti,^b Fiammetta Ferroni,^c Micaela Ricci^c and Domenico Spinelli^c ^aDipartimento di Chimica Farmaceutica e Tossicologica, Università di Napoli 'Federico II'. Via D. Montesano 49, I-80131 Napoli, Italy ^bMolteni Farmaceutici, S.S. 67 Loc. Granatieri, I-50018 Scandicci, Firenze, Italy

^cDipartimento di Chimica Organica 'A. Mangini', Via S. Donato 15, I-40127 Bologna, Italy

The synthesis of unsymmetrical phthalocyanines has been described and their activity against *Candida albicans* reported.





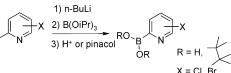
Synthesis of novel halopyridinylboronic acids and esters. Part 4: Halopyridin-2-yl-boronic acids and esters are stable, crystalline partners for classical Suzuki cross-coupling

Tetrahedron 59 (2003) 10043

Alexandre Bouillon,^a Jean-Charles Lancelot,^a Jana Sopkova de Oliveira Santos,^a Valérie Collot,^a Philipppe R. Bovy^b and Sylvain Rault^{a,*}

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This paper describes a general method for the synthesis and isolation of stable 5, or 6-halopyridin-2-yl-boronic acids and esters. Two methods are carried out using Halogen-metal exchange (HMe) followed by either in situ transesterification, or isolation of the crude boronic acid followed by room temperature esterification.



Synthesis and combinatorial approach of the reactivity of 6- and 7-arylthieno[3,2-*d*][1,3]oxazine-2,4-diones

Tetrahedron 59 (2003) 10051

François-Xavier Le Foulon, Emmanuelle Braud, Frédéric Fabis, Jean-Charles Lancelot and Sylvain Rault* Centre d'Etudes et de Recherche sur le Médicament de Normandie 5, rue Vaubénard, 14032 Caen Cedex, France

