

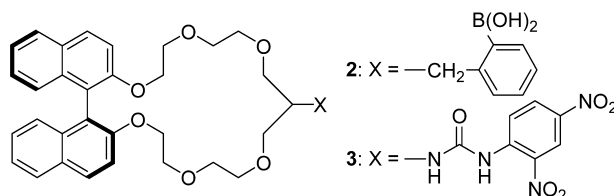
Graphical abstracts

Synthesis and recognition of amino acids by binaphthyl-crown receptors

Tetrahedron 59 (2003) 3195

Kazunori Tsubaki,* Hiroyuki Tanaka, Hiroshi Morikawa and Kaoru Fuji*

Institute for Chemical Research, Kyoto University, Gokasho, Uji, Kyoto 6110011, Japan



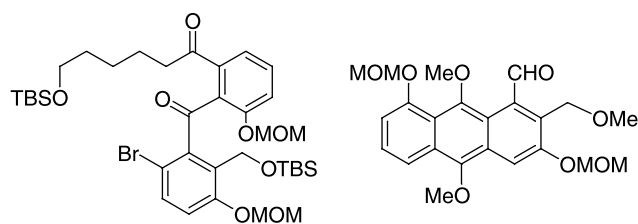
Studies towards the total synthesis of mumbaistatin: synthesis of highly substituted benzophenone and anthraquinone building blocks

Tetrahedron 59 (2003) 3201

Florian Kaiser,^a Lothar Schwink,^b Janna Velder^a and Hans-Günther Schmalz^{a,*}

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^b*Aventis Pharma Deutschland GmbH, Industriepark Hoechst, G838, D-65926 Frankfurt am Main, Germany*

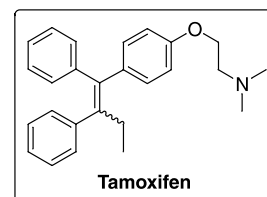
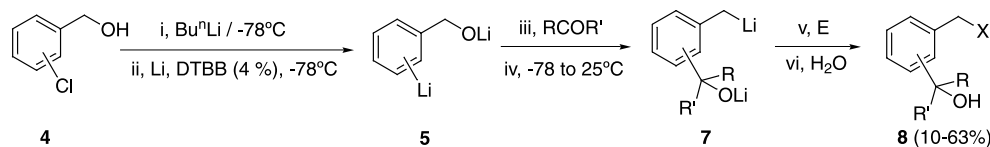


Preparation of α,n -dilithiotoluene equivalents. Synthesis of tamoxifen

Tetrahedron 59 (2003) 3219

Miguel Yus,* Diego J. Ramón and Inmaculada Gómez

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, E-03080 Alicante, Spain



Speradine A, a new pentacyclic oxindole alkaloid from a marine-derived fungus *Aspergillus tamarii*

Tetrahedron 59 (2003) 3227

Masashi Tsuda,^a Takao Mugishima,^a Kazusei Komatsu,^a Teruo Sone,^b Michiko Tanaka,^b Yuzuru Mikami,^c Motoo Shiro,^d Manabu Hirai,^e Yasushi Ohizumi^e and Jun'ichi Kobayashi^{a,*}

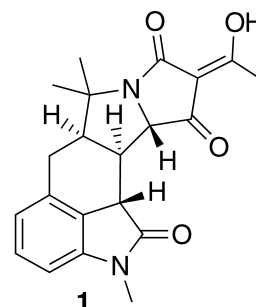
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^e*Graduate School of Pharmaceutical Sciences, Tohoku University, Sendai 980-0845, Japan*



Novel tocopheryl compounds. Part 15: One-pot formation of furotocopheryl derivatives

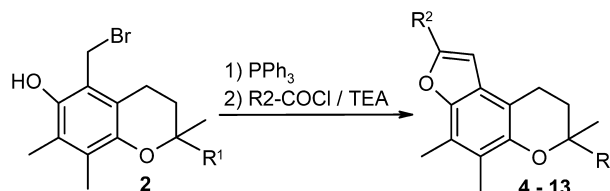
Tetrahedron 59 (2003) 3231

Christian Adelwöhrer,^a Thomas Rosenau,^{a,*} Wolfgang H. Binder^b and Paul Kosma^a

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^bInstitute of Applied Synthetic Chemistry, University of Technology Vienna/163/MC, A-1040 Vienna, Austria

In situ formation of 5 α -tocopheryl phosphonium bromide followed by reaction with various acid chlorides provides access to novel furotocopherols in a facile one-pot reaction.

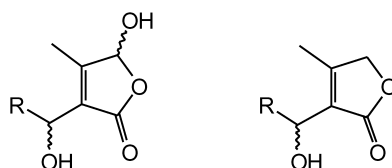


Bioactive butenolides from *Streptomyces antibioticus* TÛ 99: absolute configurations and synthesis of analogs

Tetrahedron 59 (2003) 3237

Gilles Grossmann, Marc Poncioni, Marc Bornand, Benoît Jolivet, Markus Neuburger and Urs Séquin*

Departement Chemie der Universität Basel, St Johans-Ring 19, CH-4056 Basel, Switzerland



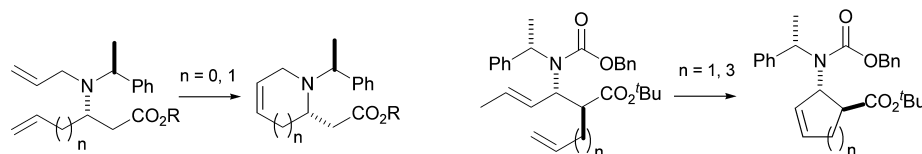
Asymmetric synthesis of cyclic β -amino acids and cyclic amines via sequential diastereoselective conjugate addition and ring closing metathesis

Tetrahedron 59 (2003) 3253

Ann M. Chippindale,^a Stephen G. Davies,^{b,*} Keiji Iwamoto,^b Richard M. Parkin,^b Christian A. P. Smethurst,^b Andrew D. Smith^b and Humberto Rodriguez-Solla^b

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^bThe Dyson Perrins Laboratory, University of Oxford, South Parks Road, Oxford OX1 3QY, UK



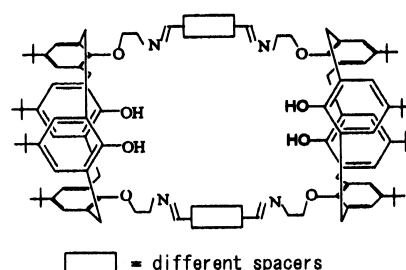
Synthesis and binding studies of new bis-calix[4]arenes containing aromatic and heteroaromatic units

Tetrahedron 59 (2003) 3267

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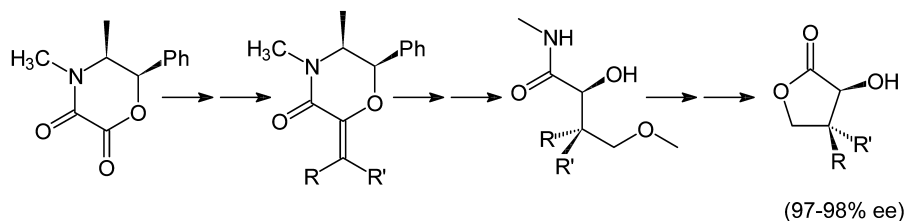


Enantioselective synthesis of pantolactone analogues from an ephedrine-derived morpholine-dione

Tetrahedron 59 (2003) 3275

Sunil V. Pansare* and Annyt Bhattacharyya

Division of Organic Chemistry (Synthesis), National Chemical Laboratory, Pune 411 008, India

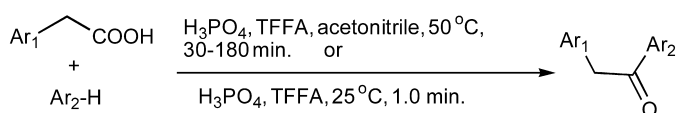


A high speed parallel synthesis of 1,2-diaryl-1-ethanones via a clean-chemistry C–C bond formation reaction

Tetrahedron 59 (2003) 3283

Venugopal Rao Veeramani, Manojit Pal* and Koteswar Rao Yeleswarapu*

Chemistry—Discovery Research, Dr Reddy's Laboratories Ltd., Bollaram Road, Miyapur, Hyderabad 500050, India



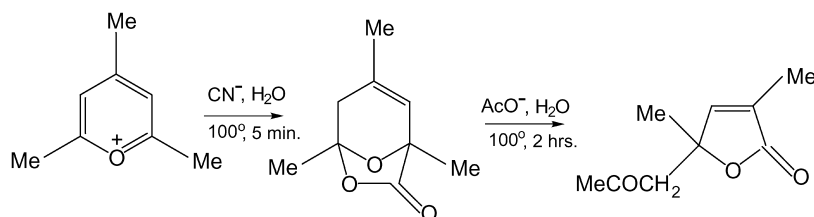
Synthesis of 2,4-dimethyl-6-oxo-2,4-heptadienoic acid derivatives from 2,4,6-trimethylpyrylium salts

Tetrahedron 59 (2003) 3291

Alexandru T. Balaban,^{a,*} Adriana Tudose^b and Miron T. Caproiu^b

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^bCenter of Organic Chemistry, 'C.D. Nenitescu' of the Romanian Academy, Spl. Independentei 202B, 71141 Bucharest, Romania

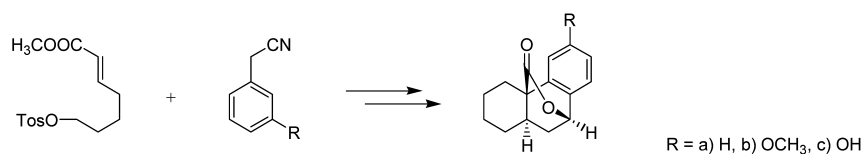


The synthesis of carnosol derivatives

Tetrahedron 59 (2003) 3297

Andreas Luxenburger

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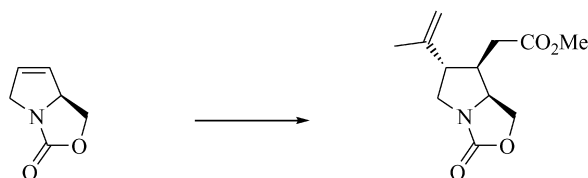


Studies towards a total synthesis of kainic acid

Tetrahedron 59 (2003) 3307

E. S. Greenwood, P. B. Hitchcock and P. J. Parsons*

The Chemical Laboratories, School of Chemistry, Physics and Environmental Science, University of Sussex, Falmer, Brighton, East Sussex BN1 9QJ, UK



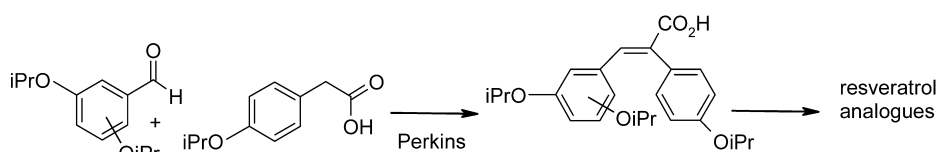
A re-investigation of resveratrol synthesis by Perkins reaction. Application to the synthesis of aryl cinnamic acids

Tetrahedron 59 (2003) 3315

Guy Solladié,^{a,*} Yacine Pasturel-Jacopé^a and Jean Maignan^b

^aLaboratoire de Stéréochimie associé au CNRS, Université Louis Pasteur, ECPM, 25 Rue Becquerel, F-67087 Strasbourg Cedex 2, France

^bL'Oréal Recherche, 1 av. E. Schueller, F-93601 Aulnay sous Bois, France

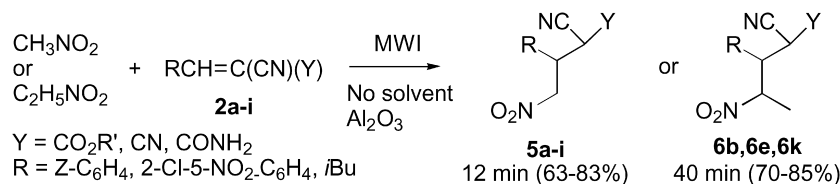


Michael monoadditions of nitromethane or nitroethane with electrophilic gem-disubstituted alkenes over alumina under microwave irradiation

Tetrahedron 59 (2003) 3323

David Michaud, Jack Hamelin and Françoise Texier-Boullet*

Synthèse et Electro-synthèse Organiques 3, Associé au CNRS, Université de Rennes I, UMR 6510, Campus de Beaulieu, 35042 Rennes, France



Stereoselectivity of 1,3-dipolar cycloadditions of L-valine-derived nitrones with methyl acrylate

Tetrahedron 59 (2003) 3333

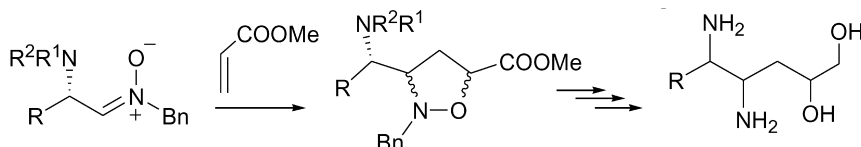
Iva Blanáriková-Hlobilová,^a Zuzana Kubánová,^a Lubor Fišera,^{a,*} Michal K. Cyranski,^b Piotr Salanski,^c Janusz Jurczak^{b,c} and Nada Prónayová^d

^aDepartment of Organic Chemistry, Slovak University of Technology, SK-812 37 Bratislava, Slovak Republic

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^cInstitute of Organic Chemistry, Polish Academy of Sciences, PL-01 224 Warsaw, Poland

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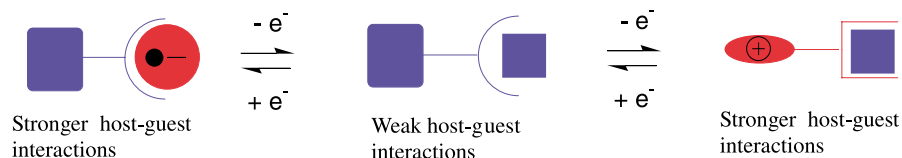
Ferrocene incorporating host-guest dyads with electrochemically controlled three-pole hydrogen bonding properties

Tetrahedron 59 (2003) 3341

Graeme Cooke,^{a,*} Hugues A. de Cremiers,^{a,b} Florence M. A. Duclairoir,^a Julie Leonardi,^a Georgina Rosair^a and Vincent M. Rotello^b

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^bDepartment of Chemistry, University of Massachusetts at Amherst, Amherst, MA 01002, USA



Conditions for deuterium exchange mediated by iridium complexes formed in situ

Tetrahedron 59 (2003) 3349

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^aDepartment of Pure and Applied Chemistry, University of Strathclyde, 295 Cathedral Street, Glasgow G1 1XL, UK

^bDepartment of Isotope Chemistry and Metabolite Synthesis, Sanofi-Synthelabo, Willowburn Avenue Alnwick, Northumberland NE66 2JH, UK

Iridium-based complexes formed in situ, and containing a variety of ligands, have been screened for ability to mediate *ortho*-exchange of hydrogen in a series of model substrates.



Asymmetric synthesis of a tricyclic core structure of the securinega alkaloids virosecurinine and allosecurinine

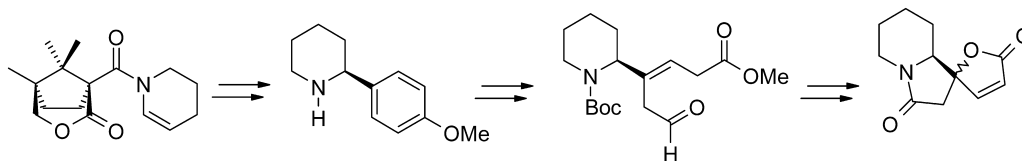
Tetrahedron 59 (2003) 3359

Rainer Kammler,^a Kurt Polborn^b and Klaus Th. Wanner^{c,*}

^aVerla-Pharm Arzneimittel, Bernrieder-Str. 1, 82327 Tutzing, Germany

^bDepartment of Chemistry, Ludwig-Maximilians-University of Munich, Butenandtstr. 5-13, 81377 Munich, Germany

^cDepartment of Pharmacy, Ludwig-Maximilians-University of Munich, Butenandtstr. 5-13, 81377 Munich, Germany



Spiro cyclisations of *N*-acyliminium ions involving an aromatic π -nucleophile

Tetrahedron 59 (2003) 3369

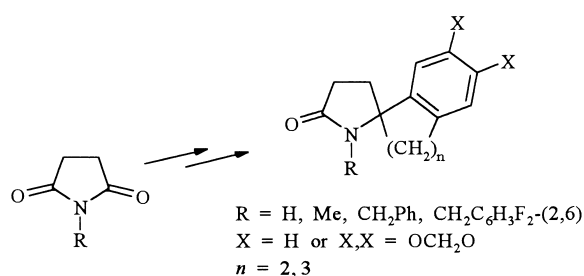
Patrick D. Bailey,^a Keith M. Morgan,^a David I. Smith^b and John M. Vernon^{c,*}

^aDepartment of Chemistry, Heriot-Watt University, Riccarton, Edinburgh EH14 4AS, UK

^bSanofi-Synthelabo Research, Alnwick, Northumberland NE66 2JH, UK

^cDepartment of Chemistry, University of York, Heslington, York YO10 5DD, UK

Spiro 2-pyrrolidin-5-ones were obtained from *N*-substituted succinimides by a two-step procedure, involving 5- or 6-*endo*-trig cyclisation of *N*-acyliminium ion intermediates with a tethered aromatic π -nucleophile.

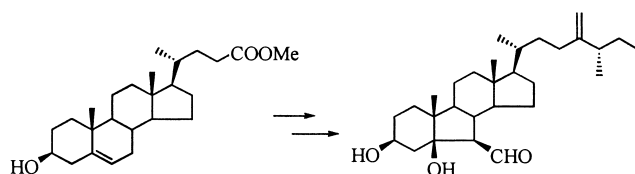


The first stereoselective synthesis of orostanal isolated from a marine sponge *Stelletta hiwasaensis*

Tetrahedron 59 (2003) 3379

Bo Liu and Wei-Shan Zhou*

Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, People's Republic of China



Cyclization into perhydronaphthalenones using samarium diiodide

Tetrahedron 59 (2003) 3385

Masakazu Sono, Sachiko Onishi and Motoo Tori*

Faculty of Pharmaceutical Sciences, Tokushima Bunri University, Yamashiro-cho, Tokushima 770-8514, Japan

