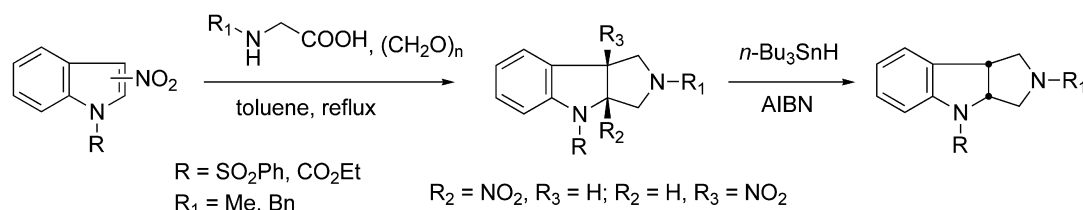


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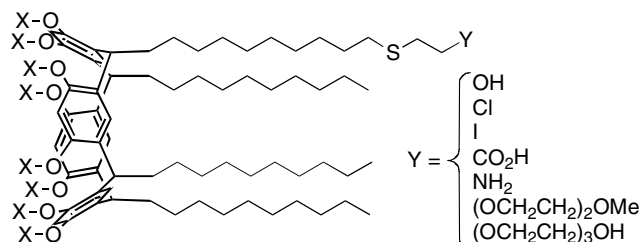
Sujata Roy, Tara L. S. Kishbaugh, Jerry P. Jasinski and Gordon W. Gribble\*



**Monofunctionalised resorcinarenes**

pp 1317–1319

Kathryn Fairfull-Smith (née Elson), Perrine M. J. Redon, John W. Haycock and Nicholas H. Williams\*



A versatile synthesis of resorcinarenes with a monosubstituted lower rim bearing a wide range of functional groups is described.

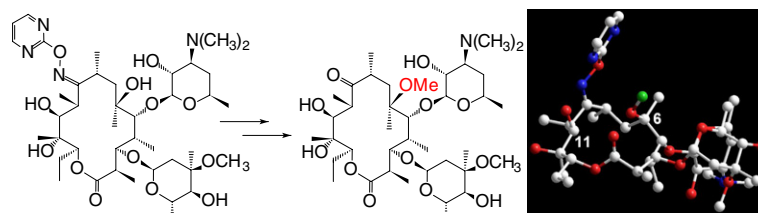


**Preparation of clarithromycin. Selective 6-O-methylation of the novel erythromycin A 9-O-(2-pyrimidyl)oxime**

pp 1321–1324

Ernesto Brunet,\* Dulce María Muñoz, Francisco Parra, Susana Mantecón, Olga Juanes, Juan Carlos Rodríguez-Ubis, M<sup>a</sup> Carmen Cruzado and Ramón Asensio

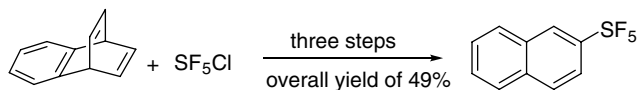
A new method for the preparation of clarithromycin is described through the highly regioselective O-methylation at C(6)-OH of the novel derivative 9-pyrimidylloxime erythromycin A. The facile synthesis of 6,11-O-dimethyl- and 6,11,12-O-trimethyl erythromycin A is also reported.



### Synthesis of 2-pentafluorosulfanyl naphthalene

William R. Dolbier, Jr.,\* Akira Mitani and Robin D. Warren

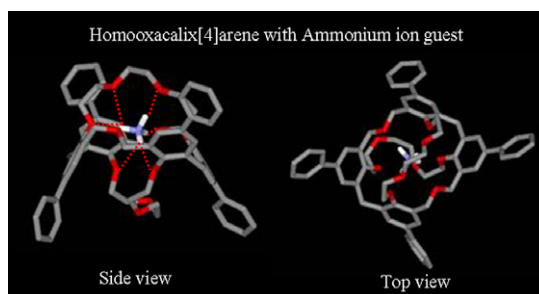
pp 1325–1326



### Molecular recognition of ammonium ion by tetrahomodioxacalix[4]biscrown

Jooyeon Hong, Jongwon Song and Sihyun Ham\*

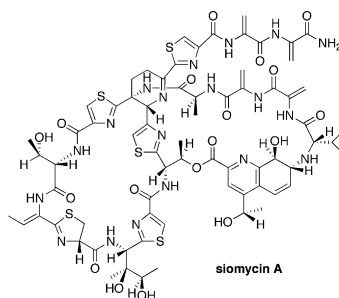
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### Total synthesis of siomycin A

Tomonori Mori, Shuhei Higashibayashi, Taiji Goto, Mitsunori Kohno, Yukiko Satouchi, Kazuyuki Shinko, Kengo Suzuki, Shunya Suzuki, Hiraku Tohmiya, Kimiko Hashimoto\* and Masaya Nakata\*

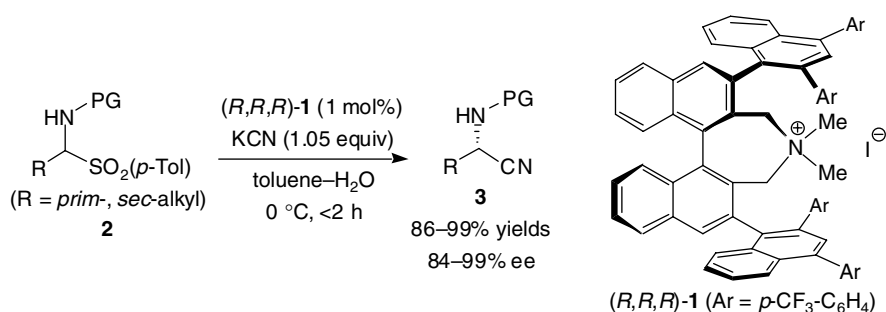
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### Advantage of in situ generation of *N*-arylsulfonyl imines from $\alpha$ -amide sulfones in the phase-transfer-catalyzed asymmetric Strecker reaction

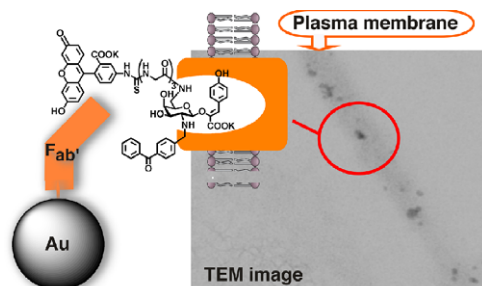
Takashi Ooi,\* Yukitaka Uematsu, Jun Fujimoto, Kazuhiro Fukumoto and Keiji Maruoka\*

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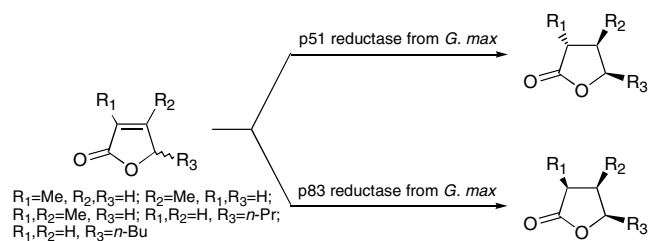
**Nanometer-scale direct observation of the receptor for the leaf-movement factor in plant cell by a novel TEM probe** pp 1341–1344

Yoshiyuki Manabe, Takanori Sugimoto, Tomoyuki Kawasaki and Minoru Ueda\*



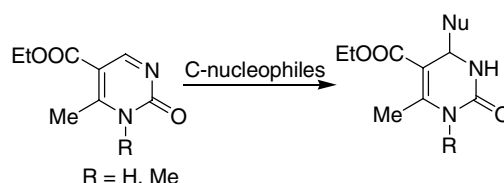
**Stereoselective reduction of 2-butenolides to chiral butanolides by reductases from cultured cells of *Glycine max*** pp 1345–1347

Kei Shimoda, Naoji Kubota, Toshifumi Hirata, Yoko Kondo and Hiroki Hamada\*



**A highly regio- and chemoselective addition of carbon nucleophiles to pyrimidinones. A new route to C4 elaborated Biginelli compounds** pp 1349–1352

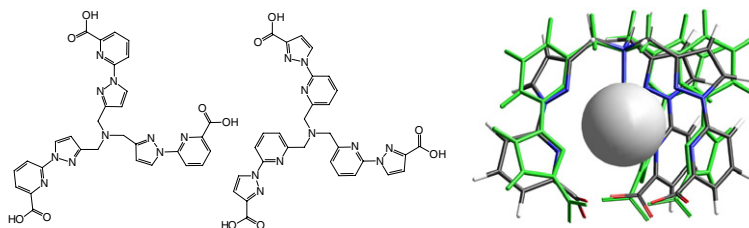
Kamaljit Singh,\* Divya Arora and Sukhdeep Singh



Ethyl 6-methyl-pyrimidine-2-one-5-carboxylates react with C-nucleophiles in a diversity oriented synthetic sequence to afford C4 substituted congeners of medicinally potent Biginelli dihydropyrimidinones, in a highly regioselective manner.

**Tripod molecules based on the *N,C*-pyrazolyl-pyridine motif** pp 1353–1355

Ernesto Brunet,\* Olga Juanes, Miguel Angel Rodríguez-Blasco, Suzana Pereira Vila-Nova and Juan Carlos Rodríguez-Ubis\*

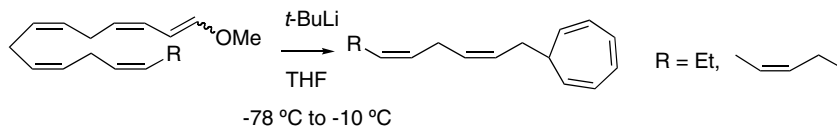


The synthesis of four new podands with three arms containing the *N,C*-pyrazolyl-pyridine chromophore is described with the aim of using the resulting tripods as ligands to sensitize lanthanide luminescence.

**Formation of cycloheptatrienes by alkyllithium induced cyclisation of polyunsaturated enol ethers**

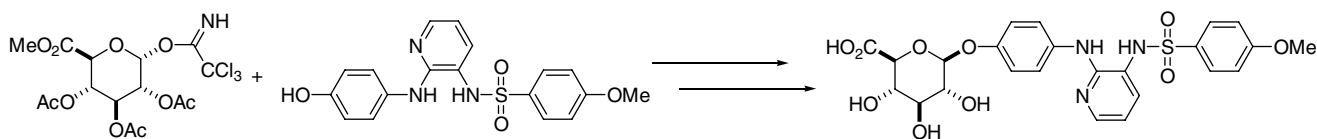
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Anne Kristin Holmeide and Lars Skattebøl\*

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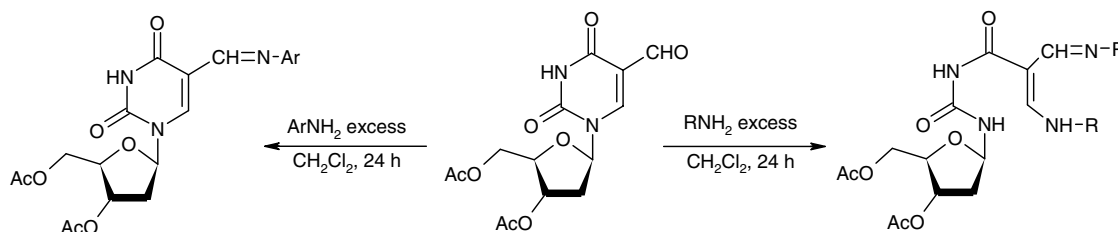
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Kenneth M. Engstrom,\* Rodger F. Henry and Ian Marsden

**Uracil ring opening in the reaction of 5-formyl-2'-deoxyuridine with primary alkyl amines**

pp 1363–1367

Elżbieta Sochacka\* and Damian Smuga

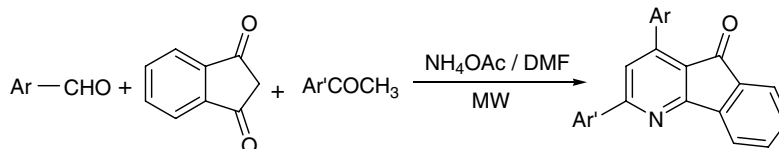


RNH<sub>2</sub> - *n*-butylamine, *t*-butylamine, benzylamine, ethanolamine, ethylene diamine, putrescine, histamine  
 ArNH<sub>2</sub> - aniline, *p*-toluidine

**An efficient and expeditious microwave-assisted synthesis of 4-azafluorenones via a multi-component reaction**

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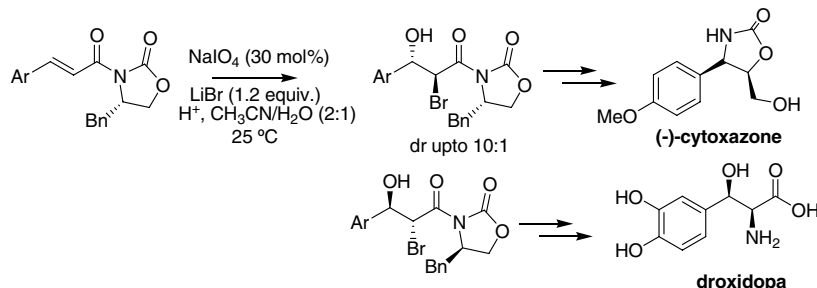
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**NaIO<sub>4</sub>-mediated asymmetric bromohydroxylation of  $\alpha,\beta$ -unsaturated carboxamides with high diastereoselectivity: a short route to (-)-cytoxazone and droxidopa**

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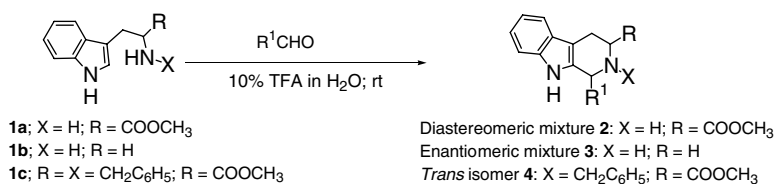
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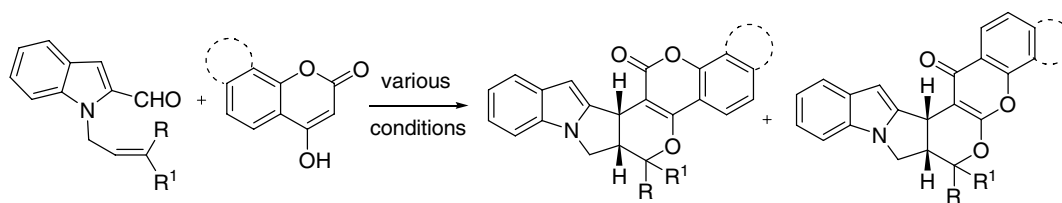
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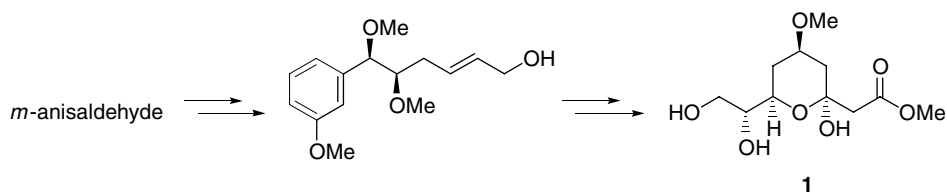
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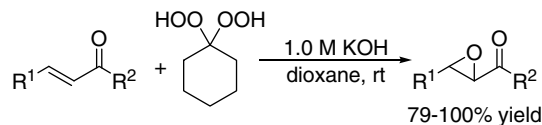
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**Facile epoxidation of  $\alpha,\beta$ -unsaturated ketones with cyclohexylidenebishydroperoxide**

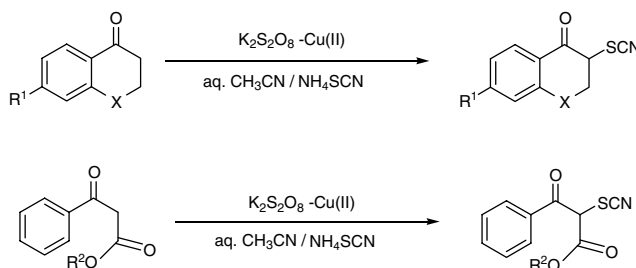
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Kavitha Jakka, Jinyun Liu and Cong-Gui Zhao\*

Enones are epoxidized by *gem*-dihydroperoxide for the first time.**Direct  $\alpha$ -thiocyanation of carbonyl and  $\beta$ -dicarbonyl compounds using potassium peroxydisulfate–copper(II)**

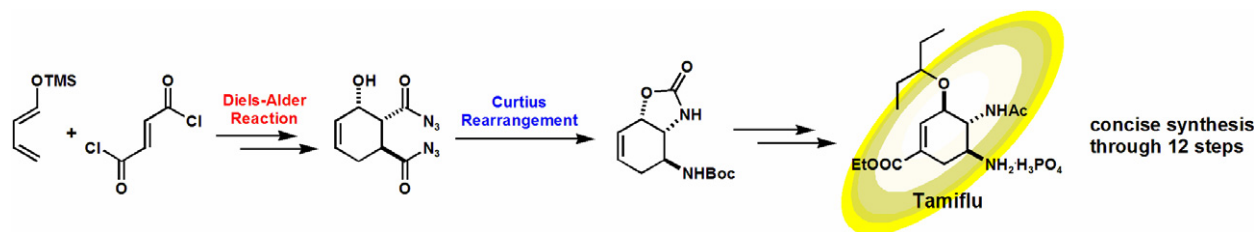
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**A concise synthesis of Tamiflu: third generation route via the Diels–Alder reaction and the Curtius rearrangement**

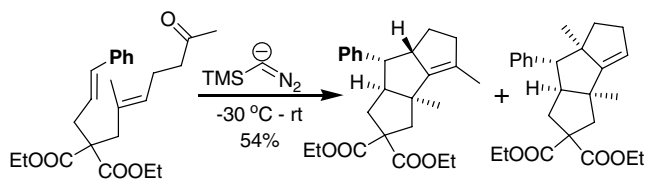
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Kenzo Yamatsugu, Shin Kamijo, Yutaka Suto, Motomu Kanai\* and Masakatsu Shibasaki\*

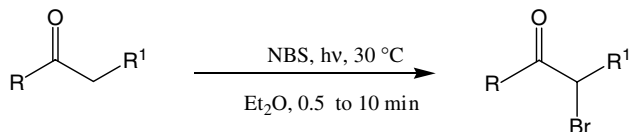
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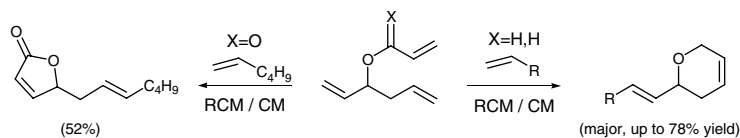
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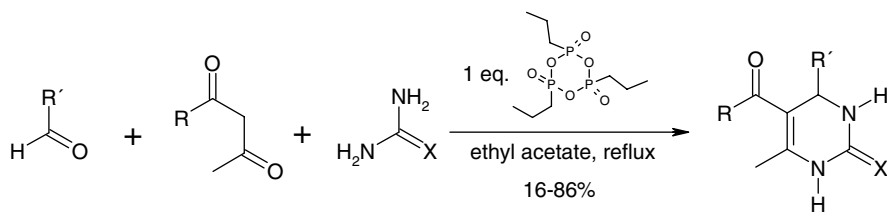
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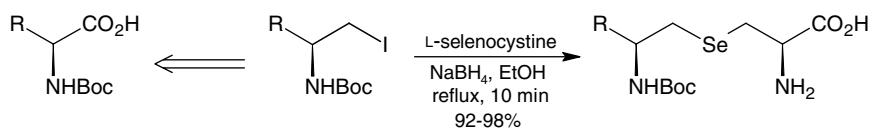
**Selective formation of dihydropyran derivatives by a tandem domino ring-closing metathesis/cross-metathesis** pp 1417–1420  
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**Propane phosphonic acid anhydride: a new promoter for the one-pot Biginelli synthesis of 3,4-dihydropyrimidin-2(1*H*)-ones** pp 1421–1423  
 Franz L. Zumpe,\* Melanie Flüb, Krischan Schmitz and Andreas Lender



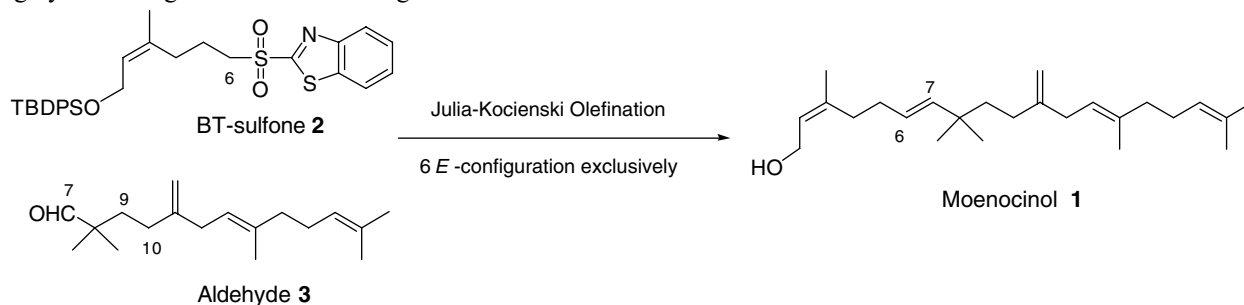
**Novel selenium-containing non-natural diamino acids** pp 1425–1427  
 Romualdo Caputo,\* Stefania Capone, Marina Della Greca, Luigi Longobardo and Gabriella Pinto



**Synthesis of moenocinol and its analogs using BT-sulfone in Julia-Kocienski olefination**

pp 1429–1433

Hung-Jyun Huang and Wen-Bin Yang\*

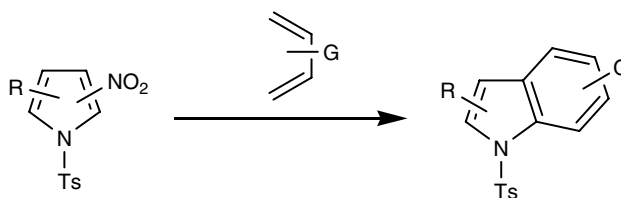


The lipid part of moenomycin antibiotics, moenocinol ( $C_{25}H_{42}O$ ), was synthesized by 10 linear steps in 12% overall yield.

**Comparison of the reactivity between 2- and 3-nitropyrroles in cycloaddition reactions. A simple indole synthesis**

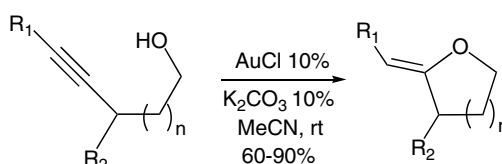
pp 1435–1438

Claudia Della Rosa, Maria Kneeteman and Pedro Mancini\*


**Synthesis of functionalized THF and THP through Au-catalyzed cyclization of acetylenic alcohols**

pp 1439–1442

Hassina Harkat, Jean-Marc Weibel and Patrick Pale\*

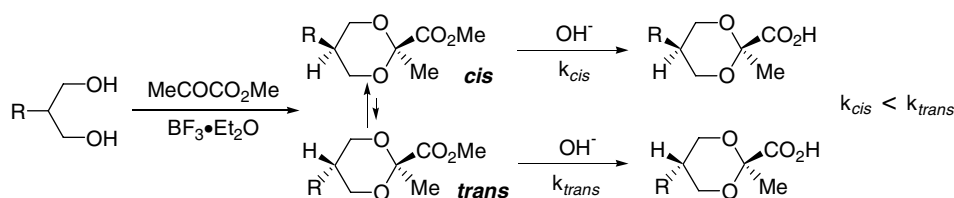


$\omega$ -Acetylenic alcohols are regio- and stereo-selectively converted to the corresponding  $\alpha$ -alkylidene oxygenated heterocycles in the presence of catalytic amounts of AuCl and  $K_2CO_3$ .

**Conformational analysis and selective hydrolysis of 2,5-disubstituted-1,3-dioxane-2-carboxylic acid esters**

pp 1443–1446

Tetsuji Harabe,\* Takatoshi Matsumoto and Takayuki Shioiri

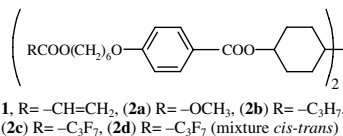
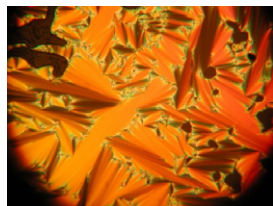




**The synthesis of new liquid–crystalline mesogens containing bicyclohexane units**

pp 1447–1450

R. Cassano,\* R. Dąbrowski, J. Dziaduszek, N. Picci, G. Chidichimo, G. De Filpo, R. Muzzalupo and F. Puoci

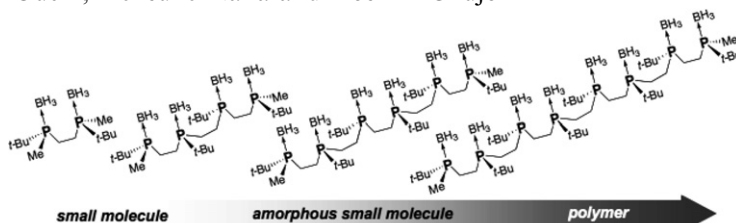


The synthesis and characterization of mesomorphism of new thermotropic derivatives, **1** and **2a–d**, of *cis,trans* and *trans,trans*-4,4'-bicyclohexyl-bis[4-(6-hydroxyhexan-1-oxo)benzoate] are described.

**Synthesis of optically active oligomers consisting of chiral phosphorus atoms: capture of an intermediate between a polymer and a small molecule**

pp 1451–1455

Yasuhiro Morisaki, Yuko Ouchi, Kensuke Naka and Yoshiki Chujo\*



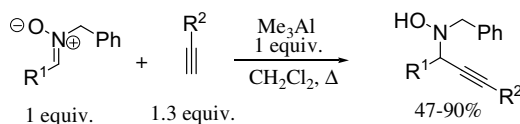
In this study, we captured an intermediate between a polymer and a small molecule. The optically active oligophosphine (*S,R,S,S,R,S*)-**3** was synthesized, and behaviors of (*S,R,S,S,R,S*)-**3** and other optically active oligophosphines were investigated in detail.



**Trimethylaluminum-assisted alkylation of nitrones**

pp 1457–1459

Tanasri Bunlaksananusorn, Thomas Lecourt and Laurent Micouin\*



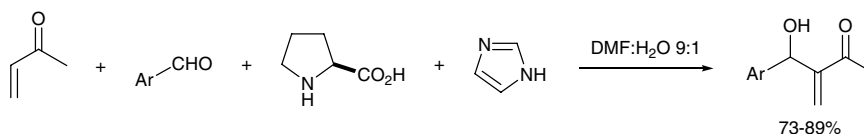
Reaction of nitrones with terminal alkynes occurs in the presence of 1 equiv of trimethylaluminum and leads to the corresponding propargylic hydroxylamines in 47–90% yield.



**Aminocatalysis of the Baylis–Hillman reaction: an important solvent effect**

pp 1461–1464

Huw J. Davies, Antonio M. Ruda and Nicholas C. O. Tomkinson\*

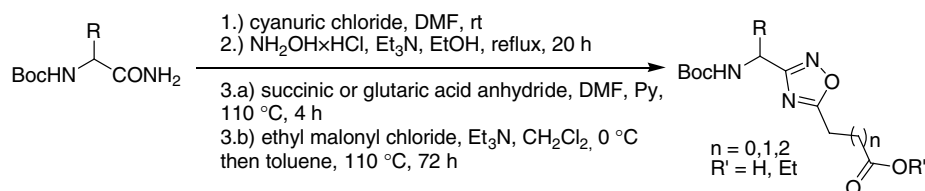


Water plays an essential role in the iminium ion catalysed Baylis–Hillman reaction.

### Synthesis of 3,5-disubstituted 1,2,4-oxadiazoles as peptidomimetic building blocks

pp 1465–1468

Žiga Jakopin, Robert Roškar and Marija Sollner Dolenc\*

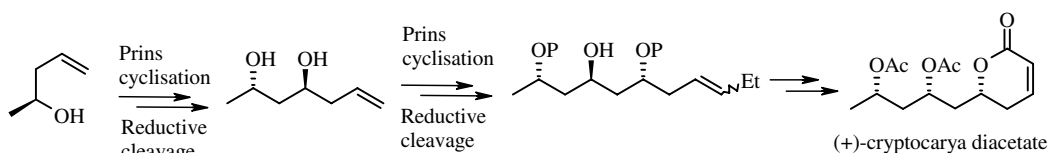


Twelve new 1,2,4-oxadiazole based compounds have been synthesized, using a simple and efficient synthetic route to afford enantiopure compounds in good yields.

### Stereoselective synthesis of (+)-cryptocarya diacetate by an iterative Prins cyclisation and reductive cleavage sequence

pp 1469–1471

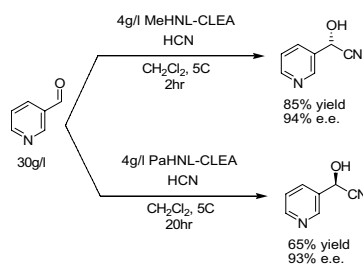
J. S. Yadav,\* P. Purushothama Rao, M. Sridhar Reddy, N. Venkateswar Rao and A. R. Prasad



### Asymmetric synthesis of cyanohydrin derived from pyridine aldehyde with cross-linked aggregates of hydroxynitrile lyases

pp 1473–1477

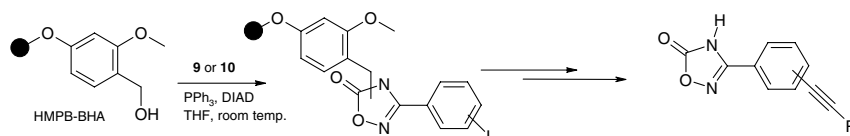
Christopher Roberge,\* Fred Fleitz, David Pollard and Paul Devine



### A versatile solid-phase synthesis of 3-aryl-1,2,4-oxadiazolones and analogues

pp 1479–1483

Julie Charton, Nicolas Cousaert, Christophe Bochu, Nicolas Willand, Benoît Déprez\* and Rébecca Déprez-Poulain



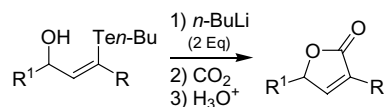
We report here a new method to load acidic heterocyclic compounds on an alcohol resin using Mitsunobu conditions. To illustrate the utility of this procedure, iodophenyl derivatives were anchored on the same resin and a subsequent diversification using a Sonogashira coupling produced a small array of novel (arylethynyl)-phenyl-1,2,4-oxadiazol-5-ones.



**Tellurium in organic synthesis: synthesis of bioactive butenolides**

pp 1485–1487

Bruno K. Bassora, Carlos E. Da Costa, Rogério A. Gariani, João V. Comasseto and Alcindo A. Dos Santos\*

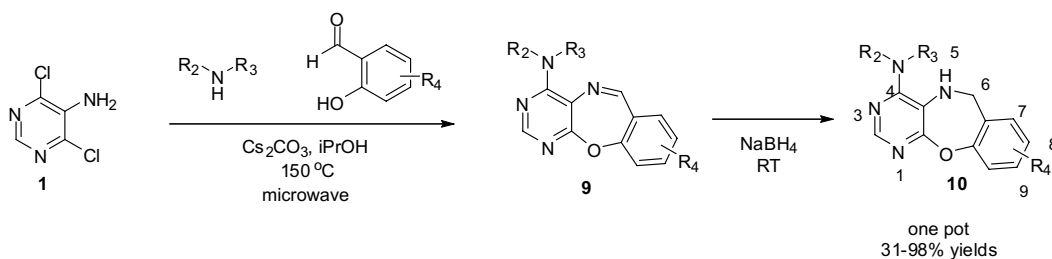


Reaction of  $\gamma$ -hydroxy vinylic tellurides with 2 equiv of *n*-butyllithium produces 1,4-C,O-dianions, which on reaction with carbon dioxide give the corresponding butenolides.

**Microwave-assisted three component one-pot synthesis of pyrimido-oxazepines**

pp 1489–1492

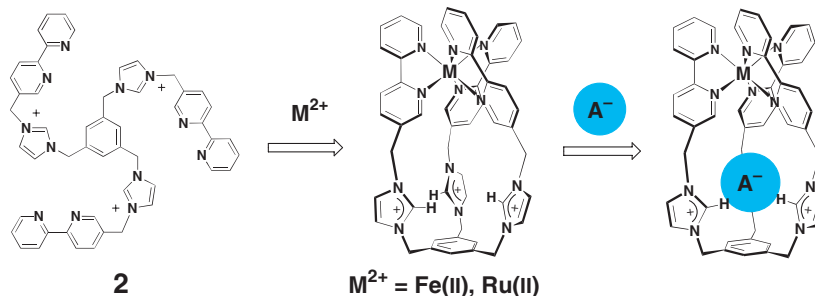
Colleen Hudson, V. Srinivasa Murthy, Kimberly G. Estep and Gary Gustafson\*



**Allosteric anion recognition by metal complexation of tris(bipyridine-imidazolium) ligand**

pp 1493–1496

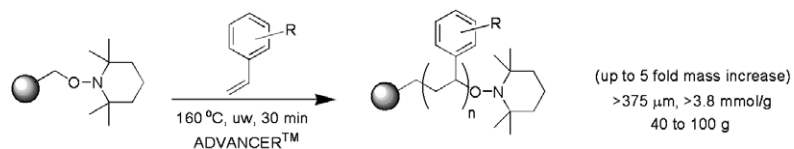
Kiyoshi Sato,\* Yuichi Sadamitsu, Sadao Arai and Takamichi Yamagishi



**Microwave-initiated living free radical polymerization: optimization of the preparative scale synthesis of Rasta resins**

pp 1497–1501

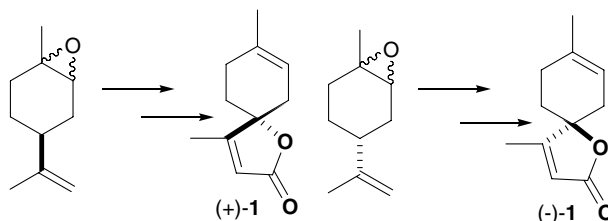
Joseph M. Pawluczyk,\* Ray T. McClain, Chris Denicola, James J. Mulhearn, Jr., Deanne Jackson Rudd and Craig W. Lindsley



**First asymmetric synthesis of both enantiomers of andirolactone**

pp 1503–1505

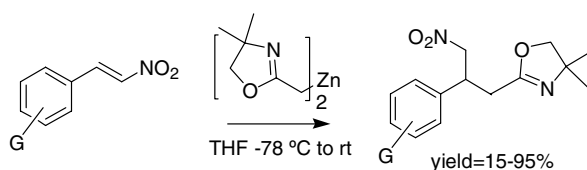
Yi Li, Tao Zhang and Yu-Lin Li\*



The first asymmetric synthesis of (+)- and (-)-andirolactone was accomplished through five steps from (*S*)- and (*R*)-limonene oxide, respectively.

**Conjugated addition of bis(oxazoliny)zinc to substituted 2-nitrovinyl benzenes: an alternative synthesis of (±)-Rolipram** pp 1507–1509

Alfredo R. M. Oliveira,\* José A. F. P. Villar, Fabio Simonelli, Rogério A. Gariani, Celso L. Wosch and Paulo H. G. Zarbin



Herein we report the conjugated addition of a bis(oxazoliny)zinc derivative to several 2-nitrovinyl benzenes. This methodology was successfully applied to the synthesis of (±)-Rolipram.

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\*Corresponding author

\*Supplementary data available via ScienceDirect

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®



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