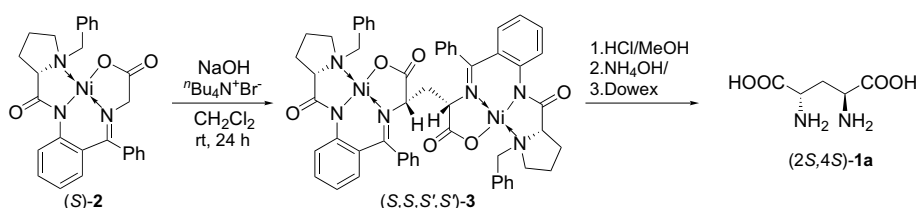


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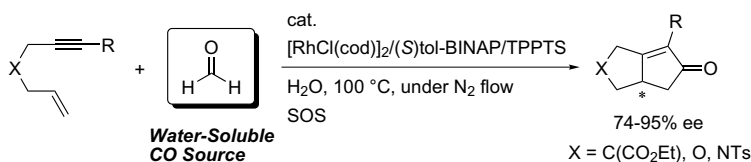
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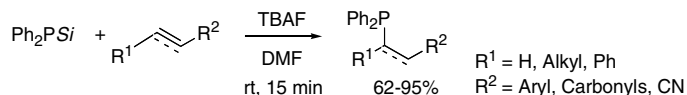
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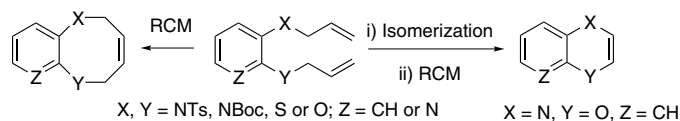
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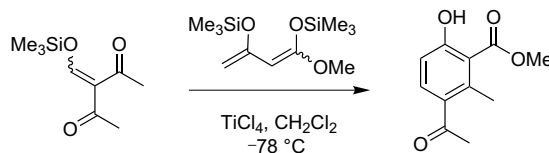
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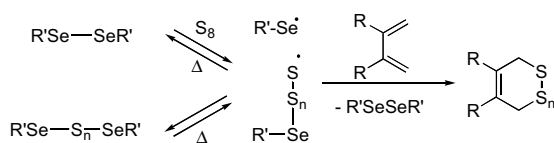
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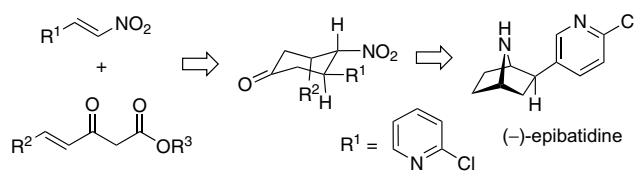
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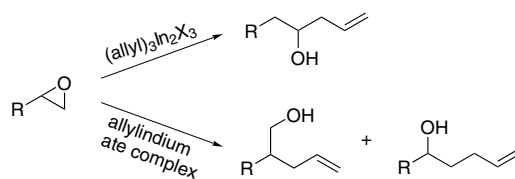
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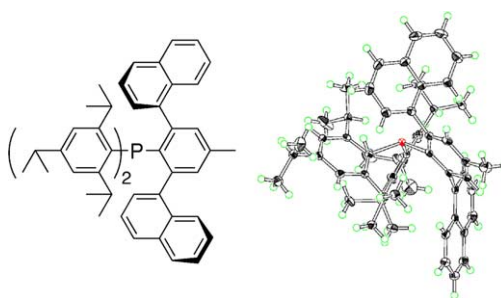
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**Synthesis, structure, and redox properties of crowded triarylphosphines carrying 2,6-diarylphenyl substituents**

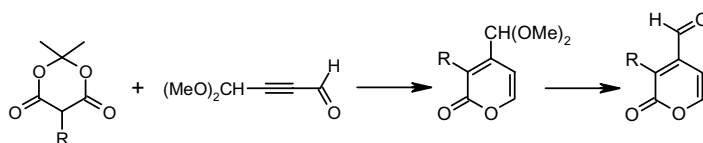
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**Synthesis of 2-pyrone-4-carboxaldehydes from acetylene dicarboxaldehyde monoacetal**

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Rufine Akué-Gédu, Jean-Pierre Hénichart, Daniel Couturier and Benoît Rigo\*

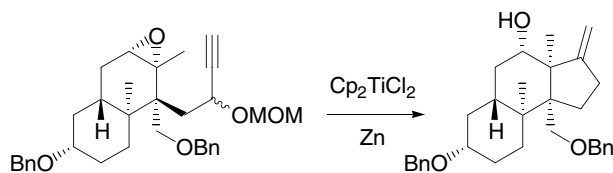


Reaction of acetylene dicarboxaldehyde monoacetal with substituted Meldrum's acid leads good yields in 2-pyranones-4-carboxaldehydes substituted at position 3.

**Ti(III)-induced radical cyclization. A stereoselective entry to the perhydrobenzo[e]indene unit of new protein farnesyltransferase inhibitors, andrastins A–D**

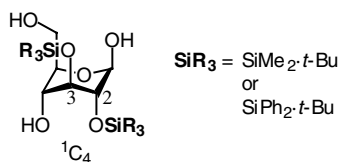
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Masahiro Toyota,\* Rei Okamoto, Takeshi Ogata and Masataka Ihara\*



**The first ring inversion of pyranoses induced by bulky silyl protections at the 2- and 3-positions**  
 Hidetoshi Yamada,\* Koki Tanigakiuchi, Kohei Nagao, Kotaro Okajima and Tatsuya Mukae

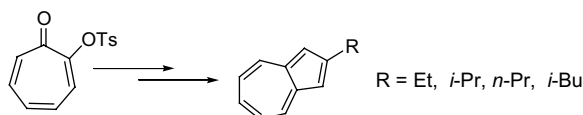
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**A simple and efficient synthesis of 2-alkylazulenes**

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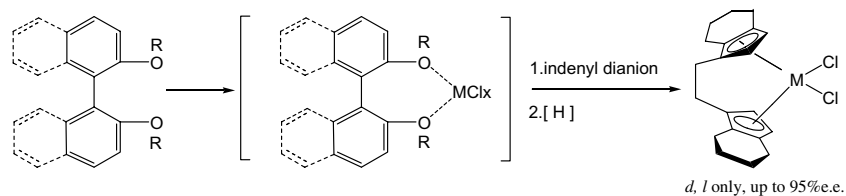
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**Diastereo- and enantioselective syntheses of ansa-metallocenes from metal halide complexes with tropos biphenol and atropos binaphthol ethers**

pp 9215–9217

Ling Xu and Koichi Mikami\*

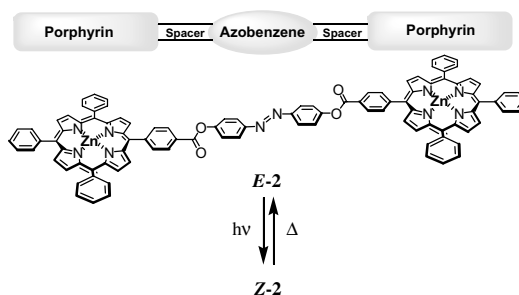


A diastereo- and enantioselective route to synthesize ethylene-bis(4,5,6,7-tetrahydro-1-indenyl)-titanium and -zirconium dichlorides is described using titanium trichloride or zirconium tetrachloride complexes with tropos biphenol and atropos binaphthol ethers.

**Synthesis and photochemical properties of porphyrin–azobenzene triad**

pp 9219–9223

Takashi Yamamura, Atsuya Momotake and Tatsuo Arai\*

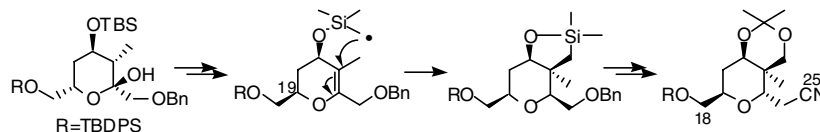




**Diastereoselective synthesis of the 19-*epi*-C<sub>18</sub>–C<sub>25</sub> segment of (–)-lasonolide A and an unusual inversion at C<sub>19</sub>**

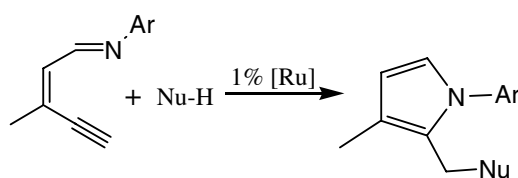
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Tomoyuki Yoshimura, Toshikazu Bando, Mitsuru Shindo and Kozo Shishido\*

**Ruthenium-catalyzed cyclization of 3-en-1-ynyl imines with nucleophiles via tandem 5-*exo-dig* cyclization and nucleophilic addition**

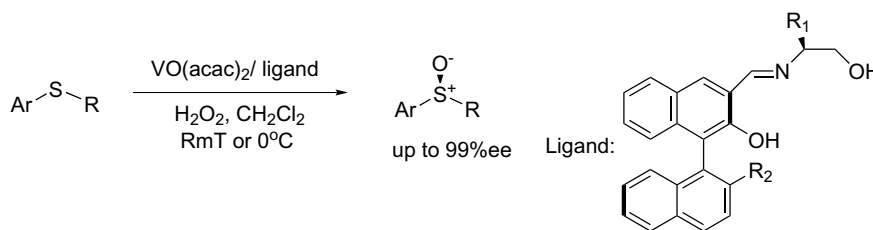
pp 9245–9247

Hung-Chin Shen, Chia-Wen Li and Rai-Shung Liu\*

Ar = *p*-MeOC<sub>6</sub>H<sub>4</sub>Nu-H = H<sub>2</sub>O, ROH, PhNH<sub>2</sub>[Ru] = TpRuPPh<sub>3</sub>(CH<sub>3</sub>CN)<sub>2</sub>PF<sub>6</sub>**Enantioselective oxidation of sulfides with hydrogen peroxide catalyzed by vanadium complex of sterically hindered chiral Schiff bases**

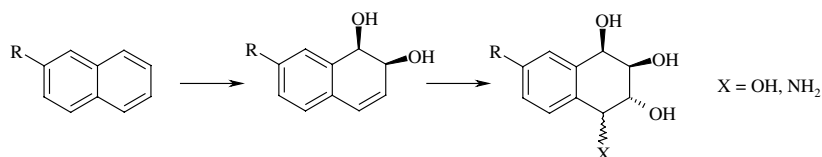
pp 9249–9252

Yong-Chul Jeong, Soojin Choi, Yao Dong Hwang and Kwang-Hyun Ahn\*

**Chemoenzymatic synthesis of conduritol analogues**

pp 9253–9255

Fulvia Orsini,\* Guido Sello, Silvana Bernasconi and Gianfranco Fallacara

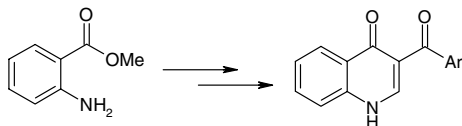


Several conduritol and conduramine analogues have been synthesized from  $\beta$ -substituted naphthalenes via a chemoenzymatic approach, in a high regio- and stereocontrolled way.

**A versatile and efficient synthesis of 3-aryl-1,4-dihydroquinolin-4-ones**

pp 9257–9259

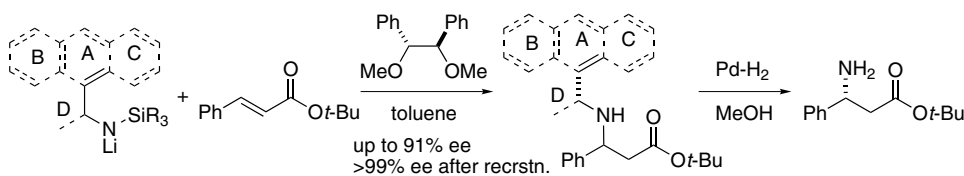
Eric Stern, Régis Millet, Patrick Depreux\* and Jean-Pierre Hénichart



**Structure tuning of lithium amide for asymmetric 1,4-addition to cinnamate and subsequent demasking**

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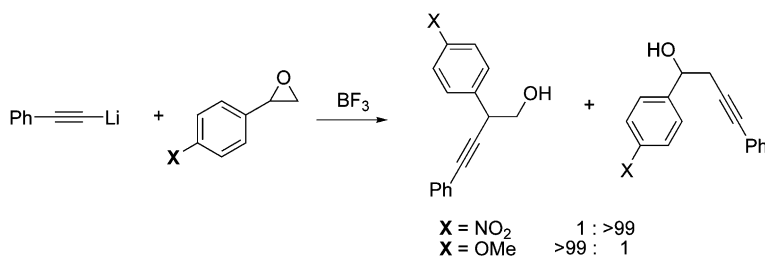
Takeo Sakai, Hirohisa Doi, Yoshito Kawamoto, Ken-ichi Yamada and Kiyoshi Tomioka\*



**Electronic effect on the regioselectivity in the ring opening of *para*-substituted phenyloxiranes by acetylides**

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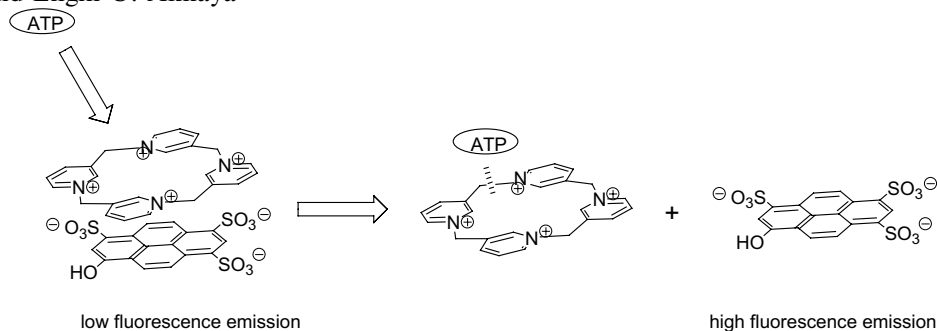
Mitsuru Shindo,\* Tomoyuki Sugioka and Kozo Shishido



**A calixpyridinium–pyranine complex as a selective anion sensing assembly via the indicator displacement strategy**

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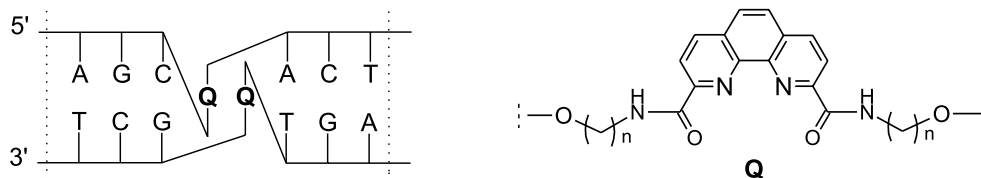
Serdar Atilgan and Engin U. Akkaya\*



**DNA containing phenanthroline- and phenanthrene-derived, non-nucleosidic base surrogates**

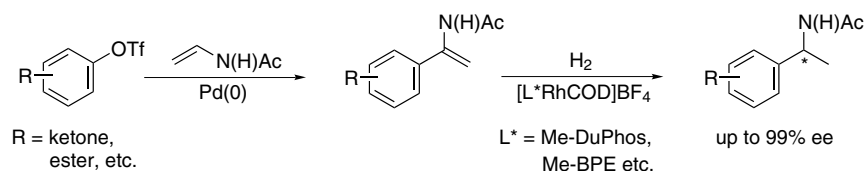
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Simon M. Langenegger and Robert Häner\*

**A complementary method to obtain *N*-acyl enamides using the Heck reaction: extending the substrate scope for asymmetric hydrogenation**

pp 9277–9280

Paul Harrison and Graham Meek\*

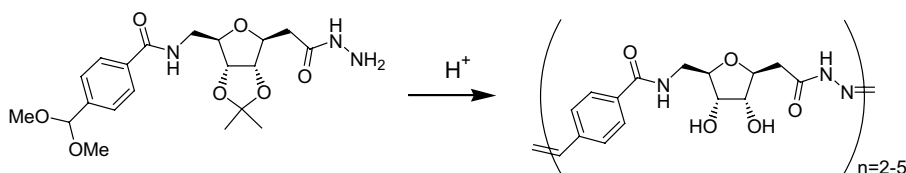


A series of *N*-acyl enamides were prepared using the Heck reaction. Asymmetric hydrogenation provided protected amines in up to 99% ee.

**Synthesis of cyclic oligomers of a modified sugar amino acid utilising dynamic combinatorial chemistry**

pp 9281–9284

Laurent F. Bornaghi, Brendan L. Wilkinson, Milton J. Kiefel and Sally-Ann Poulsen\*

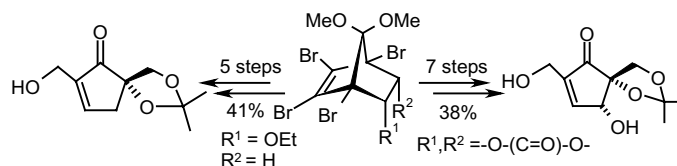


The synthetic advantages offered by dynamic combinatorial chemistry for cyclic oligomer synthesis have been applied to the rapid synthesis of a library of cyclic oligomers of a modified sugar amino acid.

**A short and stereoselective synthesis of functionalized pentenomycin derivatives**

pp 9285–9288

Faiz Ahmed Khan,\* Jyotirmayee Dash and Bhimsen Rout



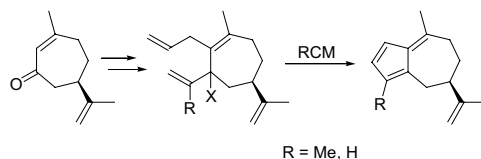
A short and stereoselective synthesis of 2-hydroxymethyl-4-deoxypentenomycin and 2-hydroxymethylpentenomycin derivatives is accomplished in five and seven steps starting from tetrabromonorbornyl derivatives in overall yields of 41% and 38%, respectively.



**Synthesis of guaiane sesquiterpenoids by a ring-closing metathesis annulation sequence**

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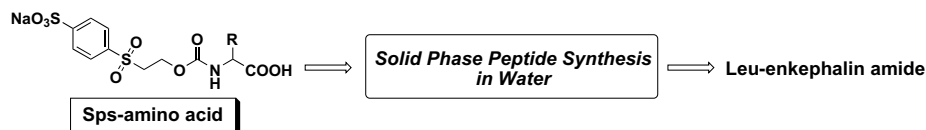
Timothy John Brocksom,\* Ursula Brocksom and Daniel Frederico



**2-(4-Sulphonylsulfonyl)ethoxycarbonyl group: a new water-soluble N-protecting group and its application to solid phase peptide synthesis in water**

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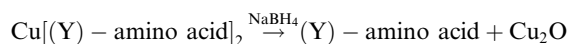
Keiko Hojo, Mitsuko Maeda and Koichi Kawasaki\*



**Sodium borohydride efficiently removes copper from amino acid–copper complexes**

pp 9297–9298

Gummadi Sailaja, Shaik Nowshuddin and M. N. A. Rao\*

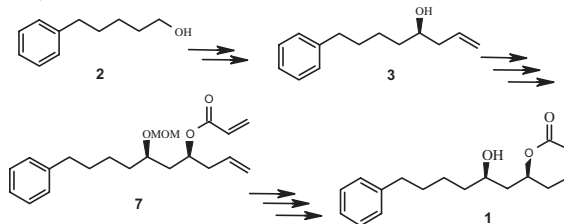


Sodium borohydride reductively removes copper from amino acid–copper complexes to give the free colorless amino acid and insoluble copper oxide.

**The first stereoselective total synthesis of (6S)-5,6-dihydro-6-[(2R)-2-hydroxy-6-phenylhexyl]-2H-pyran-2-one**

pp 9299–9301

S. Chandrasekhar,\* Ch. Narsihmulu, S. Shameem Sultana and M. Srinivasa Reddy




Iterative asymmetric allylations and ring-closing metathesis have been effectively performed for the first stereoselective total synthesis of (6S)-5,6-dihydro-6-[(2R)-2-hydroxy-6-phenylhexyl]-2H-pyran-2-one, a novel  $\alpha,\beta$ -unsaturated- $\delta$ -lactone having antifungal activity, isolated from *Ravensara crassifolia*.

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\*Corresponding author

+ Supplementary data available via ScienceDirect

**COVER**

A total synthesis of (–)-epibatidine has been achieved in 10 steps in 21% overall yield. The asymmetric total synthesis features catalytic enantioselective double Michael reactions mediated by a chiral thiourea catalyst and tetramethylguanidine to form optically active 4-nitrocyclohexanones. *Tetrahedron Letters* **2004**, *45*, 9185–9188.

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