

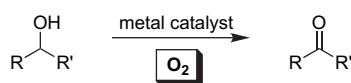
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REPORT

Recent advances in homogeneous transition metal-catalyzed aerobic alcohol oxidations

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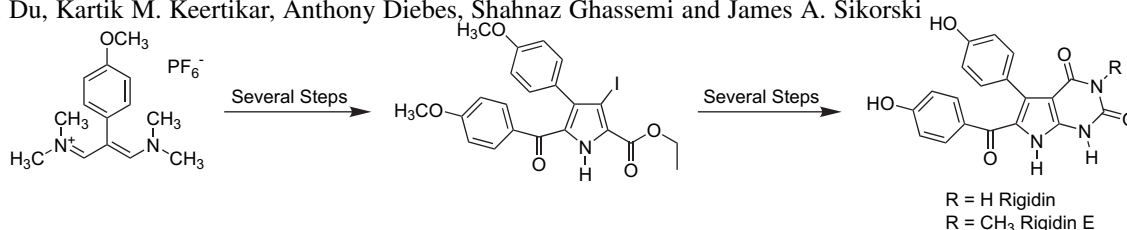
Mitchell J. Schultz and Matthew S. Sigman*



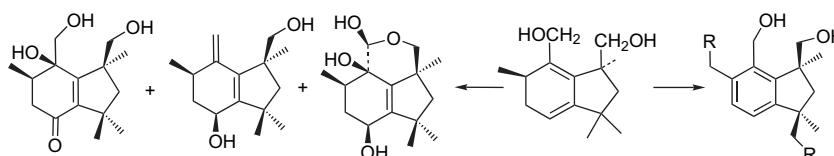
ARTICLES

The application of vinylogous iminium salt derivatives to an efficient synthesis of the pyrrole containing alkaloids Rigidin and Rigidin E pp 8243–8255

John T. Gupton,* Edith J. Banner, Austin B. Scharf, Bradley K. Norwood, Rene P. F. Kanters, Raymond N. Dominey, Jonathan E. Hempel, Anastasia Kharlamova, Itta Bluhn-Chertudi, Charles R. Hickenboth, Barrett A. Little, Melissa D. Sartin, Matthew B. Coppock, Keith E. Krumpe, Bruce S. Burnham, Herman Holt, Karen X. Du, Kartik M. Keertikar, Anthony Diebes, Shahnaz Ghassemi and James A. Sikorski


 The role of botrydienenediol in the biodegradation of the sesquiterpenoid phytotoxin botrydial by *Botrytis cinerea* pp 8256–8261

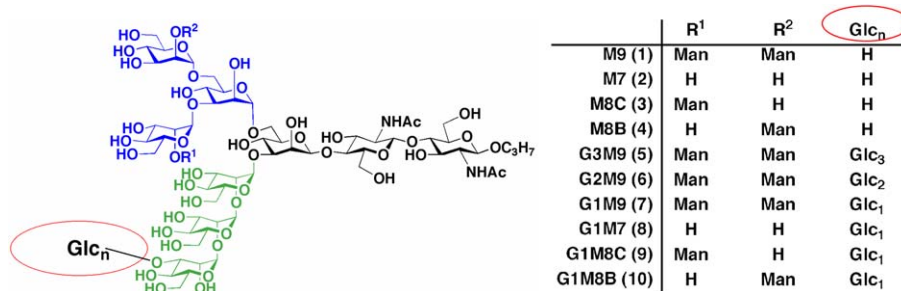
Mourad Daoubi, Rosa Durán-Patrón, Rosario Hernández-Galán, Ahmed Benharref, James R. Hanson and Isidro G. Collado*



Comprehensive synthesis of ER related high-mannose-type sugar chains by convergent strategy

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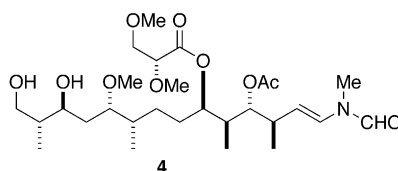
Ichiro Matsuo, Kiichiro Totani, Atsushi Tatami and Yukishige Ito*



Synthesis and biological activity of mycalolide analogs

pp 8278–8290

Kiyotake Suenaga,* Tomoyuki Kimura, Takeshi Kuroda, Keita Matsui, Saori Miya, Satomi Kuribayashi, Akira Sakakura and Hideo Kigoshi*

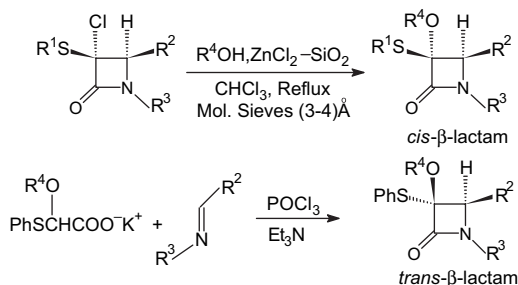


Mycalolide analog **4**, consisting only of the side chain of mycalolide B (**2**), was stereoselectively synthesized and was found to have strong actin-depolymerizing activity.

Facile stereoselective synthesis of *cis*- and *trans*-3-alkoxyazetidin-2-ones

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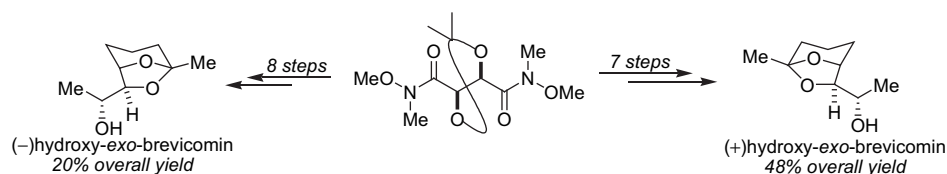
Aman Bhalla, Paloth Venugopalan and Shamsher S. Bari*



Enantiodivergent synthesis of both antipodes of hydroxy-*exo*-brevicomin from L-(+)-tartaric acid

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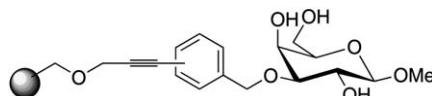
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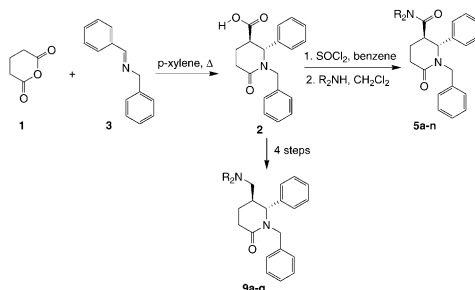
Anders Bergh, Hakon Leffler, Anders Sundin, Ulf J. Nilsson* and Nina Kann*



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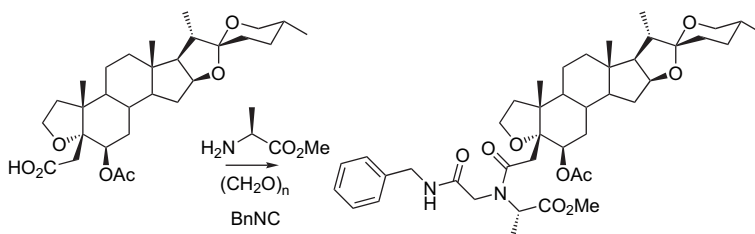
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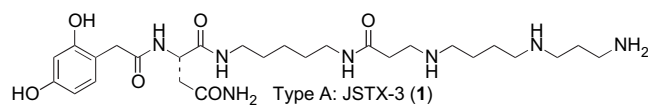
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An efficient and versatile synthesis of all structural types of acylpolyamine spider toxins

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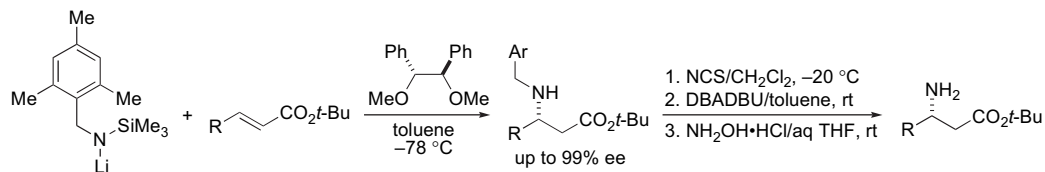
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Chiral ligand-controlled asymmetric conjugate amination of enoates with lithium mesitylmethyl(trimethylsilyl)amide

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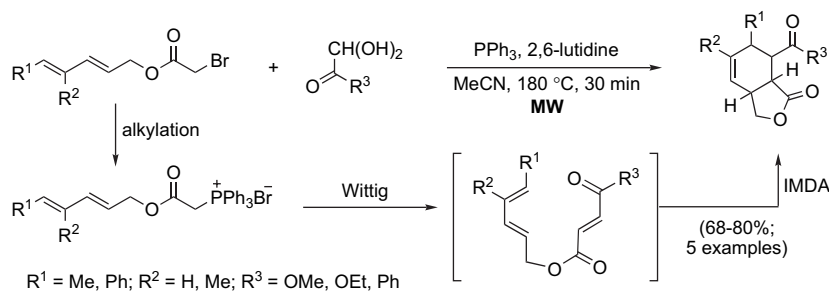
Takeo Sakai, Hirohisa Doi and Kiyoshi Tomioka*



Microwave-assisted tandem Wittig–intramolecular Diels–Alder cycloaddition. Product distribution and stereochemical assignment

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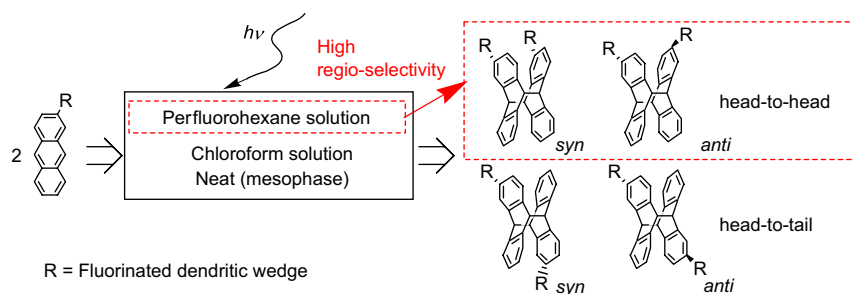
Jinlong Wu, Lijie Sun and Wei-Min Dai*



Self-organization and photoreactivity of anthryl dendron having perfluoroalkyl chains at the terminals

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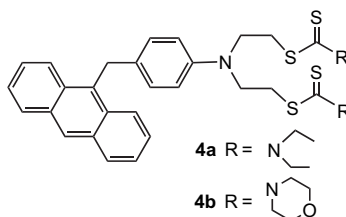
Yasushi Yanagimoto, Yutaka Takaguchi,* Yuuki Sako, Sadao Tsuboi, Masahiro Ichihara and Kazuchika Ohta



Hg²⁺ sensing in aqueous solutions: an intramolecular charge transfer emission quenching fluorescent chemosensors

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Sin-Man Cheung and Wing-Hong Chan*

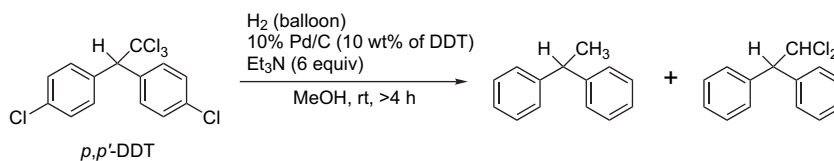


Compounds **4a** and **4b**, comprising an anthracene moiety as the fluorophore and a pair of dithiocarbamate functionalities as ligating groups, were designed as fluorescent chemosensors for Hg²⁺.

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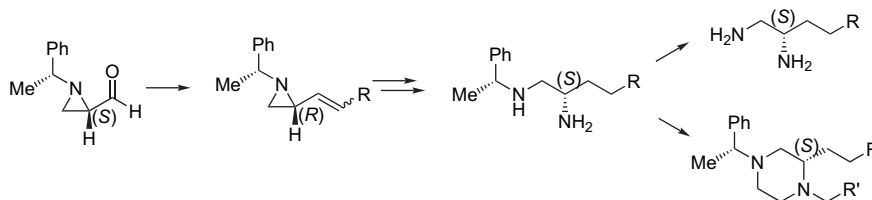
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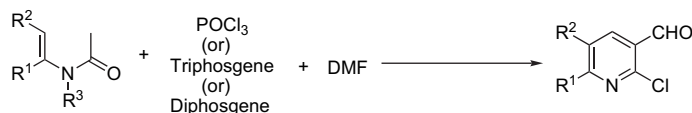
Baeck Kyoung Lee, Min Sung Kim, Heung Sik Hahm, Dong Sub Kim, Won Koo Lee* and Hyun-Joon Ha*



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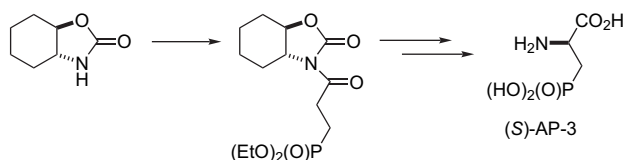
B. Gangadasu, P. Narender, S. Bharath Kumar, M. Ravinder, B. Ananda Rao, Ch. Ramesh, B. China Raju and V. Jayathirtha Rao*



Enantioselective synthesis of (*S*)-2-amino-3-phosphonopropionic acid, (*S*)-AP-3, and (*R*)-2-amino-4-phosphonobutanoic acid, (*R*)-AP-4, via diastereoselective azidation of (*4R,5R*)-*trans*-*N*-[(diethoxyphosphoryl)propionyl]- and (*4R,5R*)-*trans*-*N*-[(diethoxyphosphoryl)butanoyl]-hexahydrobenzoxazolidin-2-one

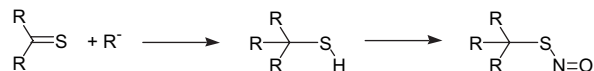
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Gloria Reyes-Rangel, Virginia Marañón, C. Gabriela Avila-Ortiz, Cecilia Anaya de Parrodi, Leticia Quintero and Eusebio Juaristi*

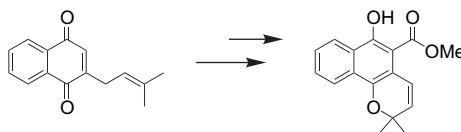


Preparation of functionalized tertiary thiols and nitrosothiols

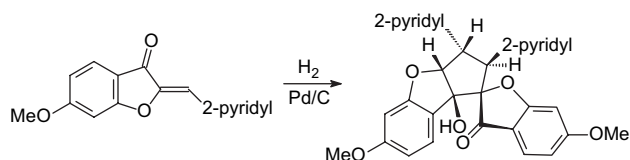
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Sven Claessens, Bart Kesteleyn, Tuyen Nguyen Van and Norbert De Kimpe^{*}**Unexpected dimerization during hydrogenation of 2-(2-pyridylmethylene)-3(2*H*)-benzofuran-3-ones**

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Marianna Mák, Mihály Nógrádi^{*} and Áron Szöllősy

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