

Tetrahedron Letters Vol. 51, No. 12, 2010

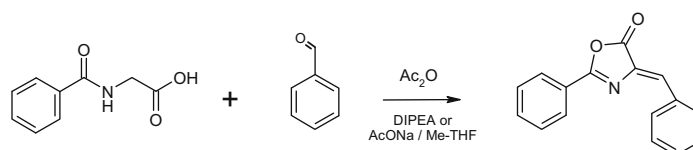
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COMMUNICATIONS

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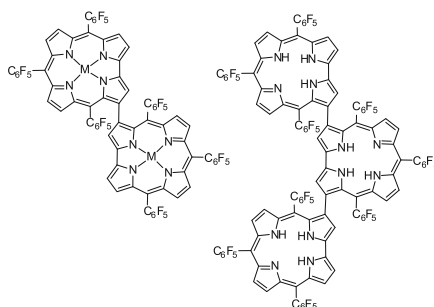
Thomas Cleary, Thimma Rawalpally, Nicole Kennedy, Flavio Chavez*



How light affects 5,10,15-tris(pentafluorophenyl)corrole

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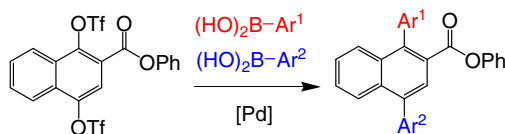
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Synthesis of 1,4-diaryl-2-naphthoates based on site-selective Suzuki–Miyaura reactions

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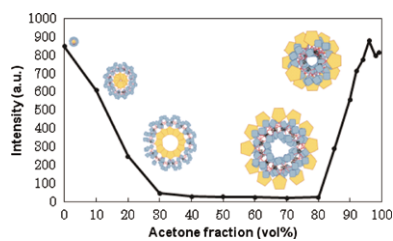
Obaid-ur-Rahman Abid, Muhammad Farooq Ibad, Muhammad Nawaz, Asad Ali, Muhammad Sher, Nasim Hasan Rama, Alexander Villinger, Peter Langer*



Analytical investigations of the behavior of silole-core dendrimers with peripheral globotriaose in water and acetone/water mixed solvent

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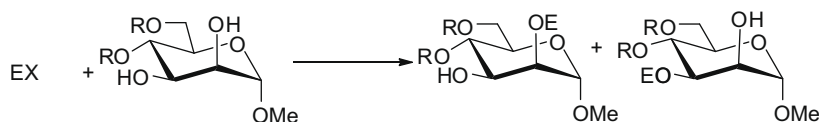
Hiroaki Aizawa*, Ken Hatano, Hitoshi Saeki, Nobuaki Honsho, Tetsuo Koyama, Koji Matsuoka, Daiyo Terunuma



Regioselective glycosylation reactions based on computational predictions

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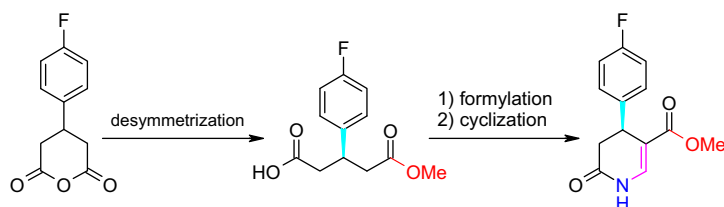
Jane Kalikanda, Zhitao Li*



The first asymmetric synthesis of a 4-aryl-substituted 5-carboxy-3,4-dihydropyridin-2-one derivative

pp 1554–1557

Xiaojun Huang*, Jiang Zhu, Scott Broadbent

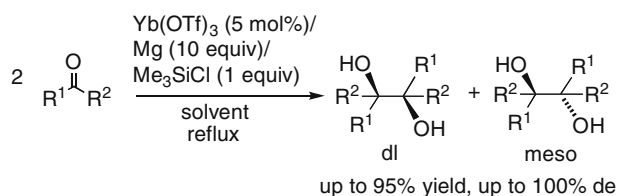


A practical asymmetric synthesis of (*S*)-4-(4-fluorophenyl)-1,4,5,6-tetrahydro-6-oxo-3-pyridinecarboxylic acid is presented. The key transformations include *meso*-anhydride desymmetrization, selective formylation, and cyclization.

A new Yb³⁺-catalyzed pinacol and imine-coupling reaction

pp 1558–1561

Helen C. Aspinnall*, Nicholas Greeves*, Shane Lo Fan Hin



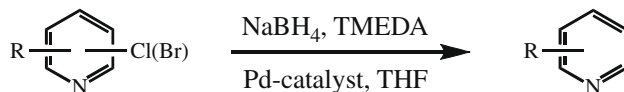
A new method for pinacol and imine coupling delivers high diastereoselectivity using catalytic Yb(OTf)₃ with Mg as reducing agent.



Hydrodehalogenation of halogenated pyridines and quinolines by sodium borohydride/*N,N,N,N*-tetramethylethylenediamine under palladium catalysis

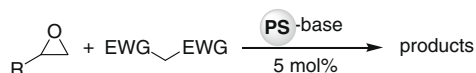
pp 1562–1565

Giorgio Chelucci

**A catalytic approach to the base-promoted reaction of epoxides with activated methylenes**

pp 1566–1569

Tommaso Angelini, Francesco Fringuelli, Daniela Lanari, Ferdinando Pizzo*, Luigi Vaccaro

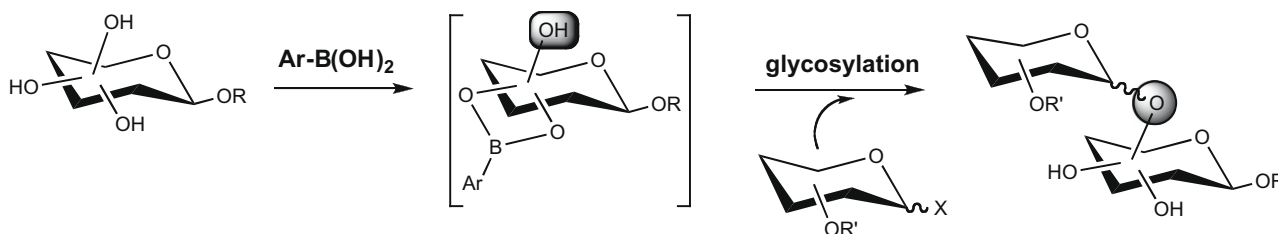


Polymer-supported bases as catalysts for the reaction of epoxides with activated methylenes under solvent-free conditions.

**Regioselective glycosylation of fully unprotected methyl hexopyranosides by means of transient masking of hydroxy groups with arylboronic acids**

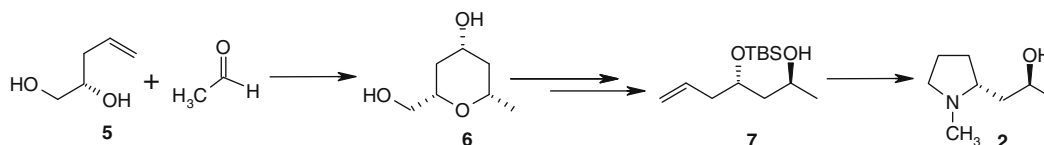
pp 1570–1573

Eisuke Kaji*, Takashi Nishino, Koji Ishige, Yohei Ohya, Yuko Shirai

One-pot synthesis of α/β (1 \rightarrow 2)-, (1 \rightarrow 3)-, or (1 \rightarrow 4)-linked disaccharides has been developed by regioselective glycosylation of fully unprotected glycosyl acceptors, with application to short step assembly of the trisaccharide fragment of type II arabinogalactan.**Total synthesis of (+)-pseudohygroline**

pp 1574–1577

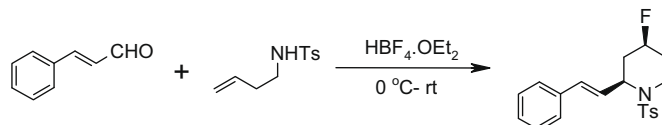
J. S. Yadav*, G. Narasimhulu, N. Mallikarjuna Reddy, B. V. Subba Reddy



An expeditious synthesis of 4-fluoropiperidines via aza-Prins cyclization

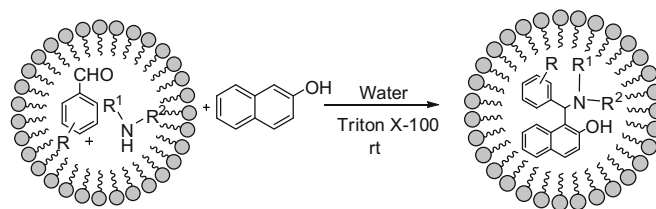
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J. S. Yadav*, B. V. Subba Reddy, K. Ramesh, G. G. K. S. Narayana Kumar, René Grée

**Non-ionic surfactant catalyzed synthesis of Betti base in water**

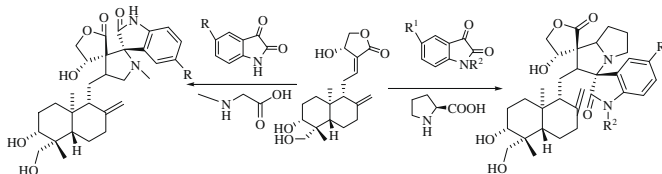
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Atul Kumar*, Maneesh Kumar Gupta, Mukesh Kumar

**Chemistry of andrographolide: formation of novel di-spiropyrrolidino and di-spiropyrrolidino-oxindole adducts via one-pot three-component [3+2] azomethine ylide cycloaddition**

pp 1585–1588

Abhijit Hazra, Priyanka Paira, Krishnendu B. Sahu, Subhendu Naskar, Pritam Saha, Rupankar Paira, Shyamal Mondal, Arindam Maity, Peter Luger, Manuela Weber, Nirup B. Mondal*, Sukdeb Banerjee

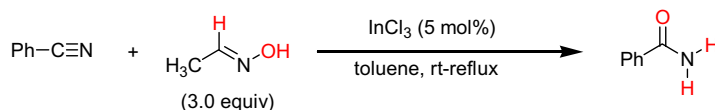


A facile, atom-economic synthesis of novel di-spiro compounds has been achieved via 1,3-dipolar cycloaddition of azomethine ylides generated from isatin and sarcosine to Δ^{12} of andrographolide.

**An efficient InCl_3 -catalyzed hydration of nitriles to amides: acetaldoxime as an effective water surrogate**

pp 1589–1591

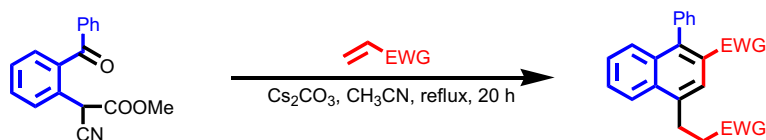
Eun Sun Kim, Hyun Seung Lee, Sung Hwan Kim, Jae Nyoung Kim*



An expedient synthesis of poly-substituted naphthalenes: consecutive Michael, intramolecular aldol, and decarboxylative Michael cascade of δ -ketonitriles

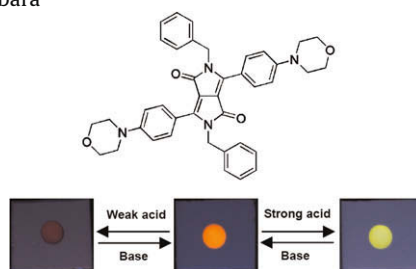
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Sung Hwan Kim, Yu Mi Kim, Hyun Seung Lee, Jae Nyoung Kim*

**Synthesis of highly fluorescent diketopyrrolopyrrole derivative and two-step response of fluorescence to acid**

pp 1596–1599

Takuya Yamagata, Junpei Kuwabara, Takaki Kanbara*

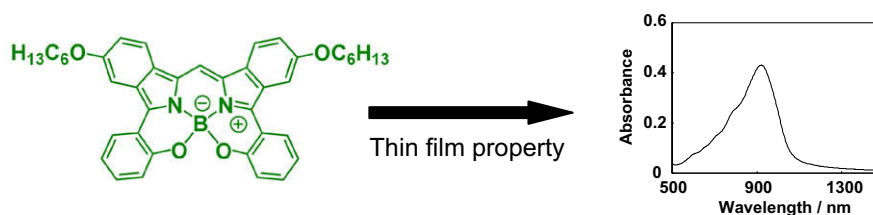


Two amino groups were introduced into Pigment Red 254 by a Pd-catalyzed amination reaction giving a highly fluorescent diketopyrrolopyrrole derivative which exhibits a two-step response of fluorescence to an acid.

**Synthesis of a new type of dibenzopyrromethene–boron complex with near-infrared absorption property**

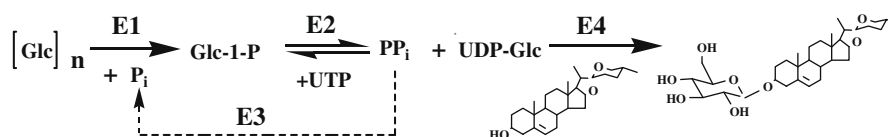
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Yuji Kubo*, Yu Minowa, Takayuki Shoda, Kimiya Takeshita

**A biocatalytic synthesis of diosgenyl- β -D-glucopyranoside by the use of four recombinant enzymes in one pot**

pp 1603–1605

Qing Dong, Li-Ming Ouyang*, Hui-Lei Yu, Jian-He Xu*, Guo-Qiang Lin



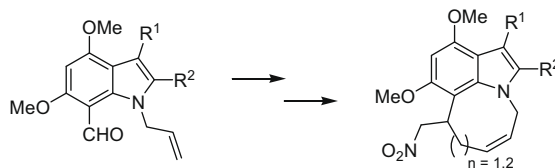
A biocatalytic one-pot synthesis of trillin using the four recombinant multiple enzymes, maltodextrin phosphorylase (E1), glucose-1-phosphate thymidyltransferase (E2), inorganic pyrophosphatase (E3), and solanidine glucosyltransferase (E4) in one pot is described.



Synthesis of novel 1,7-annulated 4,6-dimethoxyindoles

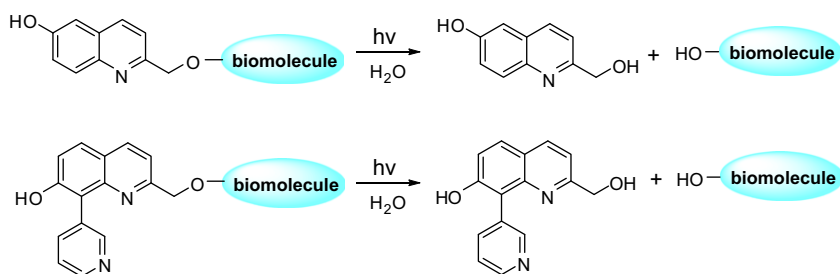
pp 1606–1608

Kasey Wood, David StC Black, Irishi N. N. Namboothiri, Naresh Kumar*

**Development of new quinoline-based photo-labile groups for photo-regulation of bioactive molecules**

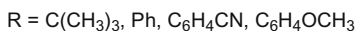
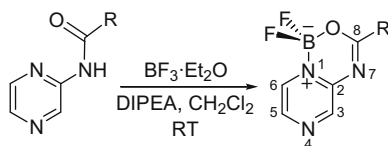
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Yi-Ming Li, Jing Shi, Rong Cai, Xiao-Yun Chen, Qing-Xiang Guo*, Lei Liu*

**Synthesis and fluorescence properties of difluoro[amidopyrazinato-O,N]boron derivatives: a new boron-containing fluorophore**

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Sojiro Hachiya, Takayuki Inagaki, Daisuke Hashizume, Shojiro Maki, Haruki Niwa, Takashi Hirano*



*Corresponding author

Supplementary data available via ScienceDirect

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