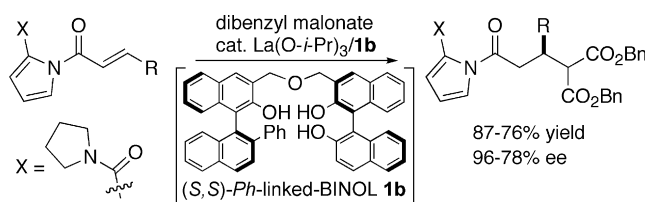


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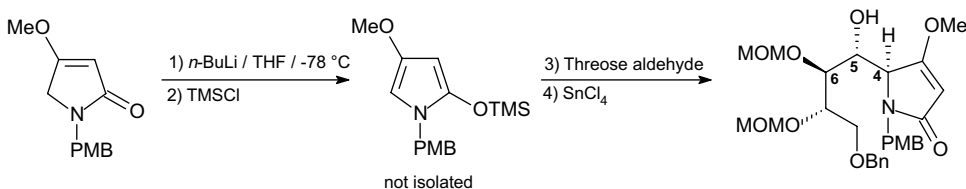
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So-Young Park, Hiroyuki Morimoto, Shigeki Matsunaga* and Masakatsu Shibasaki*



4,5-*erythro*5,6-*threo*-Stereoselectivity in vinylogous Mukaiyama aldol addition of a silyloxyppyrrrole to a threose derivative: stereochemical rationalization and relevance to (+)-castanospermine synthesis

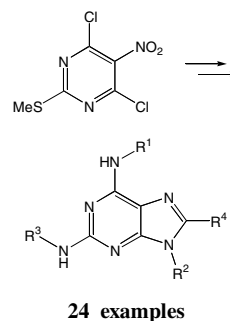
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Utility of 4,6-dichloro-2-(methylthio)-5-nitropyrimidine. Part 3: Regioselective solid-phase synthesis of a 2,6,8,9-tetrasubstituted purine library

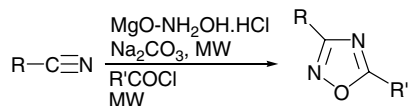
Lars G. J. Hammarström, David B. Smith* and Francisco X. Talamás

A fully regiocontrolled synthesis of a 2,6,8,9-tetrasubstituted purine library was performed through on-resin elaboration of 4,6-dichloro-2-(methylthio)-5-nitropyrimidine.



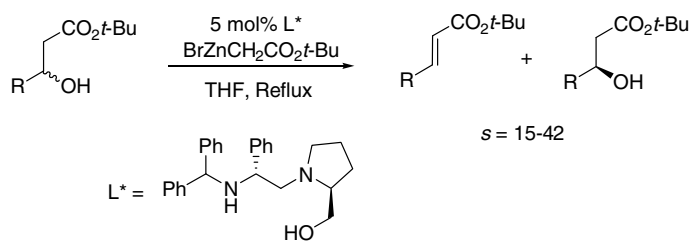
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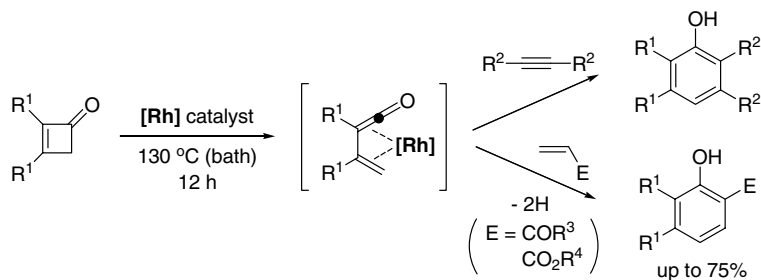
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Yongtae Kim, Eui Ta Choi, Min Hee Lee and Yong Sun Park*



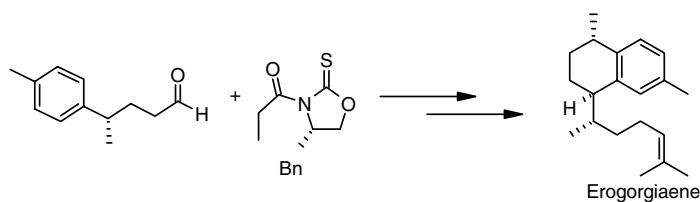
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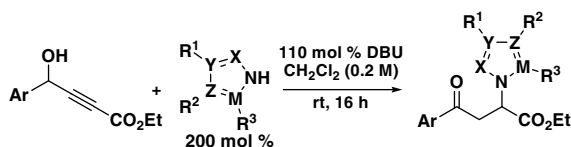


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J. S. Yadav,* A. K. Basak and P. Srihari



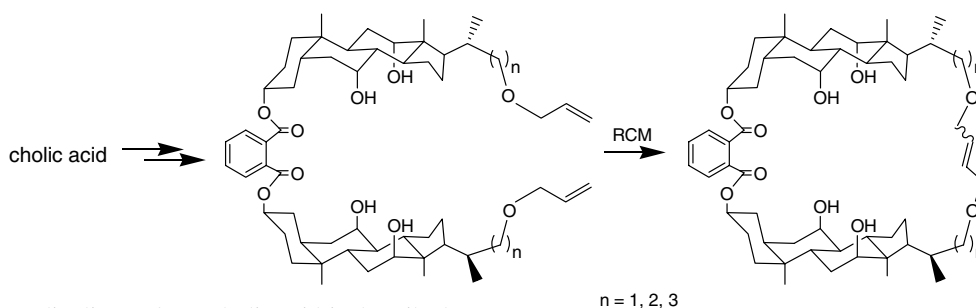
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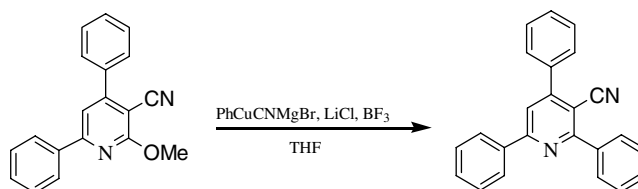
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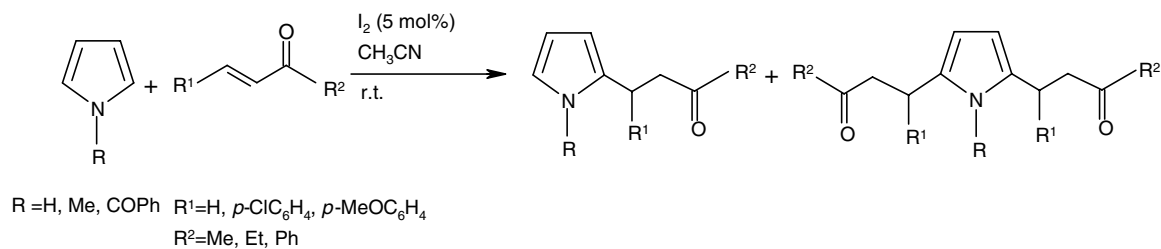
Alaa A.-M. Abdel-Aziz*



Iodine-catalyzed efficient conjugate addition of pyrroles to α,β -unsaturated ketones

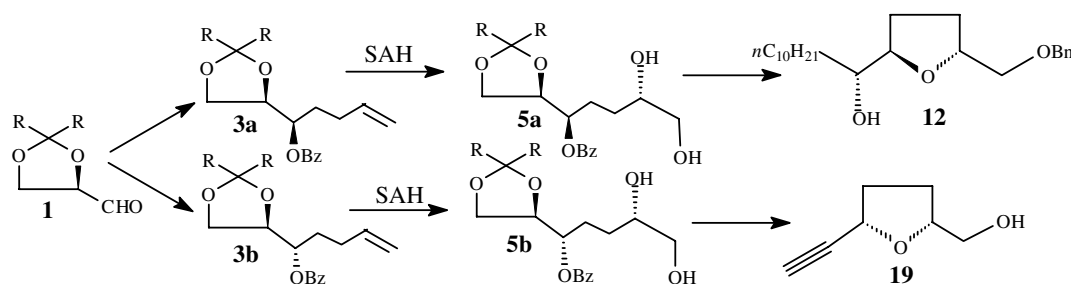
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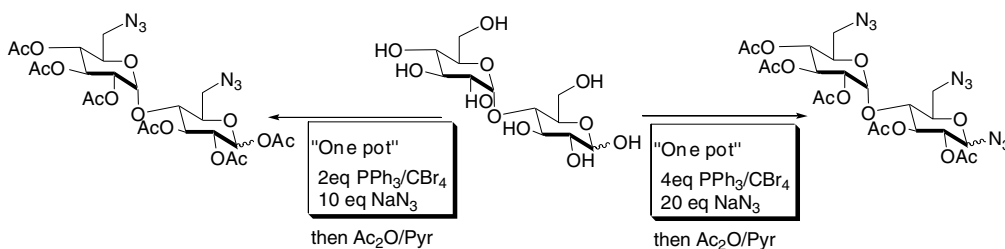
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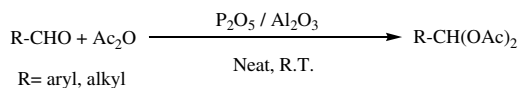
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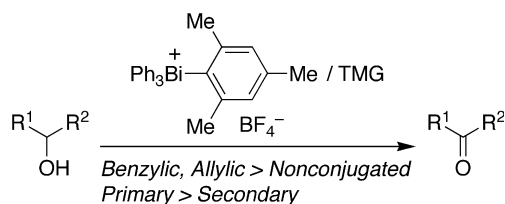
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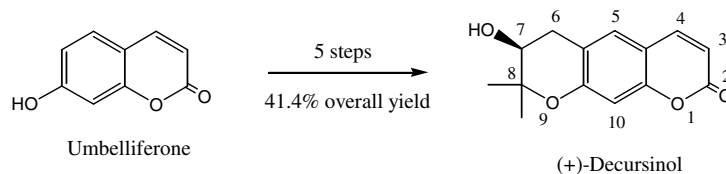
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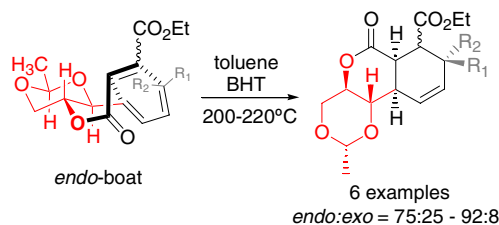
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Jung Ho Lee, Hyun Bae Bang, Su Young Han and Jong-Gab Jun*


Utility of a chiral 1,3-dioxane template in stereoselective intramolecular Diels–Alder reactions

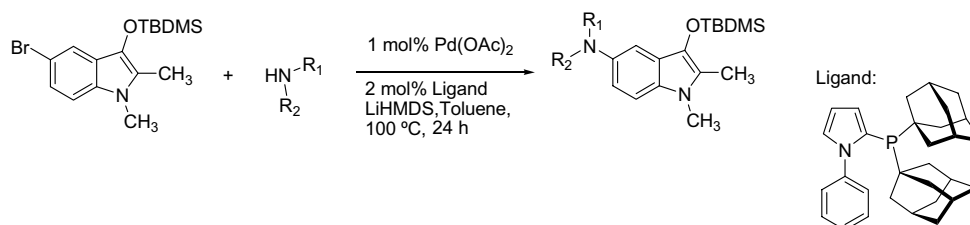
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Laurent Evanno, Alexandre Deville, Lionel Dubost, Angèle Chiaroni, Bernard Bodo and Bastien Nay*


A novel palladium catalyst for the amination of electron-rich indole derivatives

pp 2897–2900

Nicolle Schwarz, Annegret Tillack, Karolin Alex, Iliyas Ali Sayyed, Ralf Jackstell and Matthias Beller*



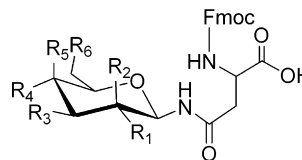
The palladium-catalyzed amination of 3-silyloxy-5-bromo-indole with primary and secondary amines leads smoothly to new amino-functionalized indoles in good yields (up to 91%).

A convenient microwave-assisted synthesis of *N*-glycosyl amino acids

pp 2901–2904

Ilaria Paolini, Francesca Nuti, Maria de la Cruz Pozo-Carrero, Francesca Barbetti, Beata Kolesinska, Zbigniew J. Kaminski, Mario Chelli and Anna M. Papini*

The optimization of the coupling reaction between aspartic and glutamic acid side chains and a series of protected aminosugars using microwave irradiation is reported.



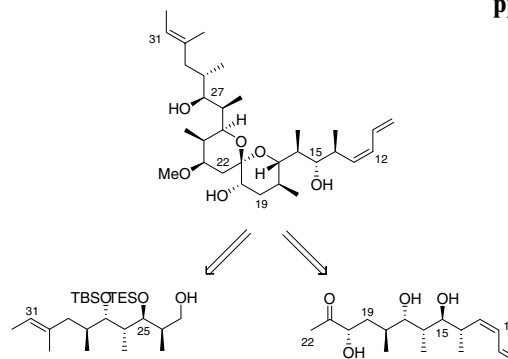
Glc: $R_1, R_3, R_4, R_6 = \text{OAc}, R_2, R_5 = \text{H}$
 Gal: $R_1, R_3, R_5, R_6 = \text{OAc}, R_2, R_4 = \text{H}$
 Cell: $R_1, R_3, R_6 = \text{OAc}, R_2, R_5 = \text{H}, R_4 = \text{OGlc}$
 Man: $R_1, R_5 = \text{H}, R_2, R_3, R_4, R_6 = \text{OBz}$

**Synthesis of the C23–C32 fragment of spirangien**

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Michael Lorenz and Markus Kalesse*

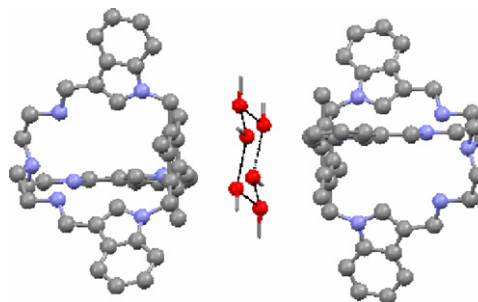
The synthesis of the C23–C32 fragment of spirangien A is reported using Evans' alkylation, Evans–Metternich aldol reaction and a substrate controlled stereoselective reduction.

**Synthesis and X-ray crystallographic investigation of a novel indole-based cryptand: structure of a sandwiched cyclic S_6 hexameric methanol cluster**

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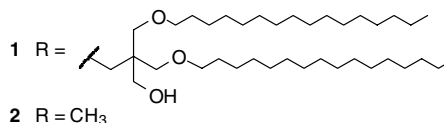
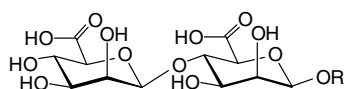
M. Arunachalam, Eringathodi Suresh* and Pradyut Ghosh*

A discrete cyclic S_6 -symmetric hexameric methanol cluster sandwiched between the hydrophobic ends of novel indole-based cryptand units is described.

**Synthesis of β -1,4-di-D-mannuronic acid glycosides as potential ligands for toll-like receptors**

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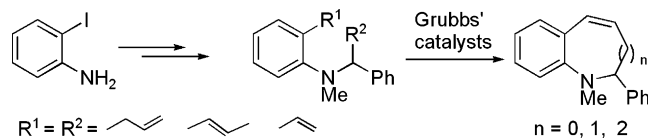
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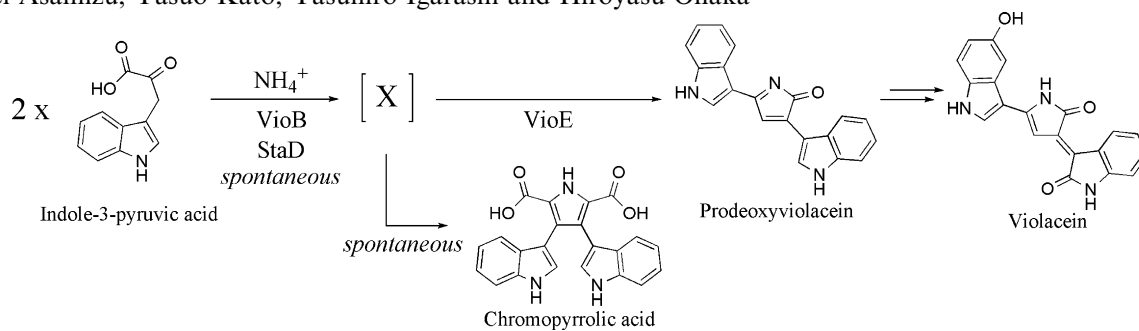
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VioE, a prodeoxyviolacein synthase involved in violacein biosynthesis, is responsible for intramolecular indole rearrangement

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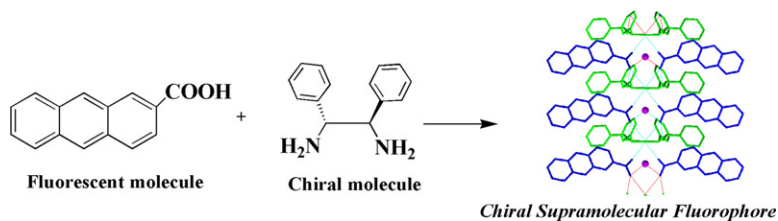
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Solid-state optical properties of a chiral supramolecular fluorophore consisting of chiral (1R,2R)-1,2-diphenylethylenediamine and fluorescent carboxylic acid derivatives

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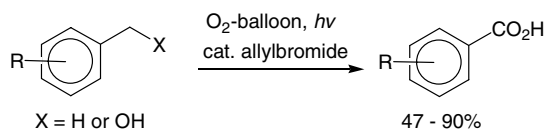
Yoshitane Imai,* Kakuhiro Kawaguchi, Takunori Harada, Tomohiro Sato, Masaaki Ishikawa, Michiya Fujiki, Reiko Kuroda and Yoshio Matsubara*



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Taichi Sugai and Akichika Itoh*

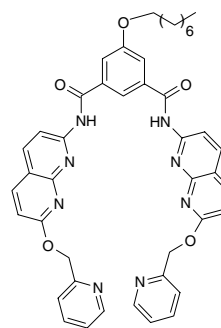


A naphthyridine-based receptor for sensing citric acid

Kumaresh Ghosh,* Tanushree Sen and Roland Fröhlich

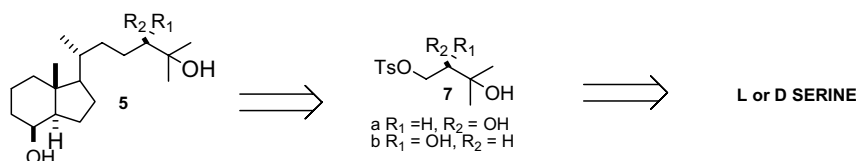
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A naphthyridine-based charge neutral receptor has been designed and synthesized. Its complexation with a series of carboxylic acids, involved in Krebs cycle, has been studied by ^1H NMR, UV–vis and fluorescence methods.

**D- and L-Serine, useful synthons for the synthesis of 24-hydroxyvitamin D₃ metabolites. A formal synthesis of 1 α ,24R,25-(OH)₃-D₃, 24R,25-(OH)₂-D₃ and 24S,25-(OH)₂-D₃**

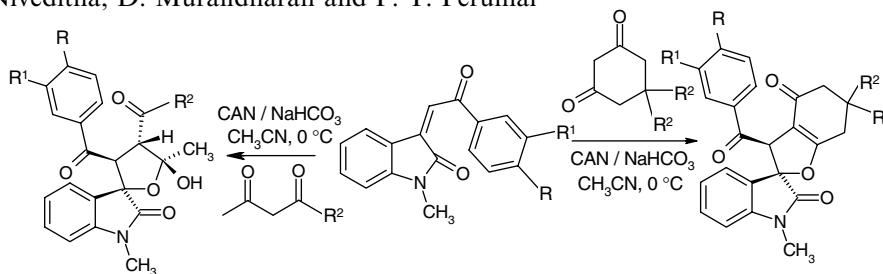
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G. Savitha, S. K. Niveditha, D. Muralidharan and P. T. Perumal*

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