

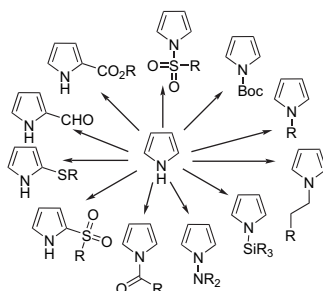
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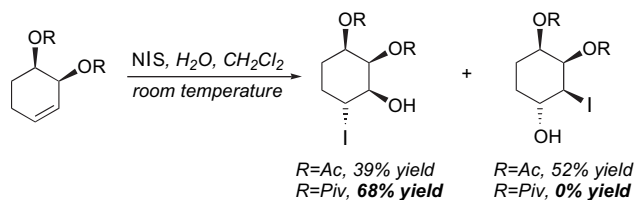


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Substituent effects in hydroxyiodination of 1,2-diacyloxy-cyclohex-3-enes

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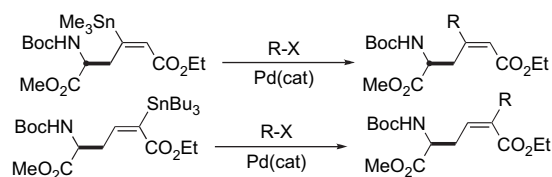
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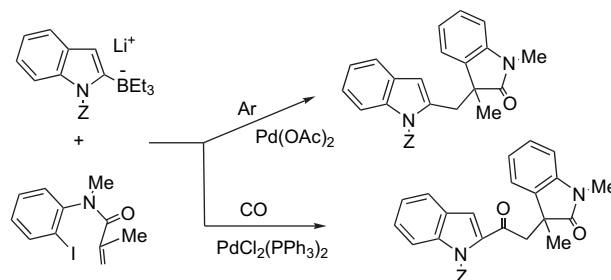


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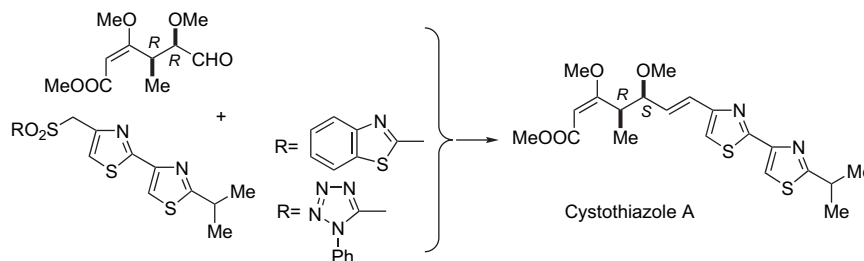
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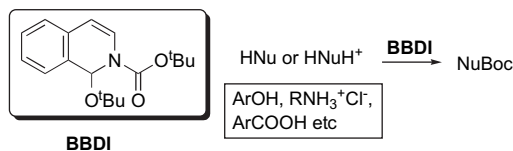
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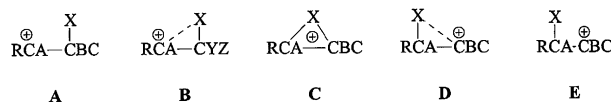
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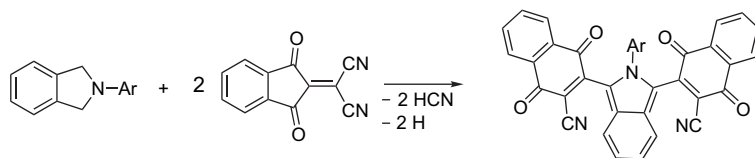
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R = Alkyl or perfluoroalkyl
X = Cl or Br
A, B, C = H or F

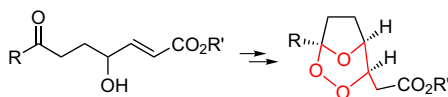
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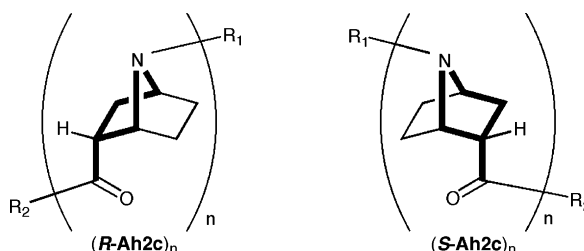
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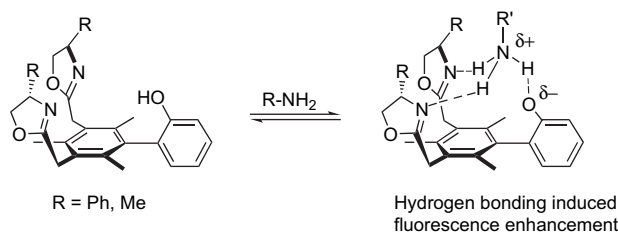
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**Phenol-containing bis(oxazolines): synthesis and fluorescence sensing of amines**

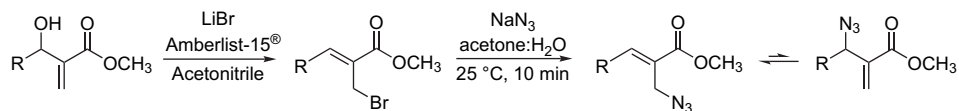
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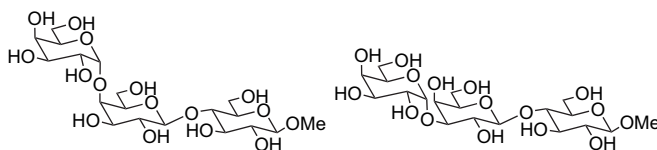
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A practical access to alkyl- and aryl-substituted (*E*)-2-(azidomethyl)alkenoates and related azido compounds from the corresponding allylic bromides in aqueous acetone is described. An alternative method to obtain the starting bromides based on heterogeneous catalysis under mild conditions was also investigated.

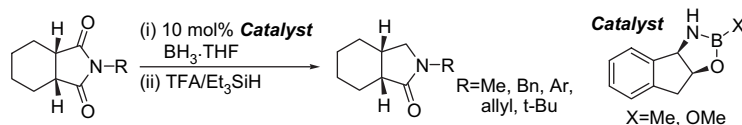
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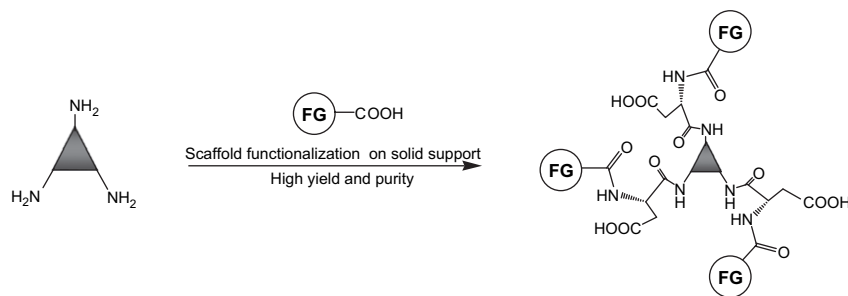
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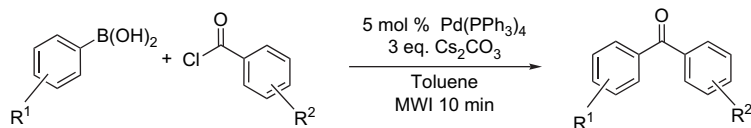
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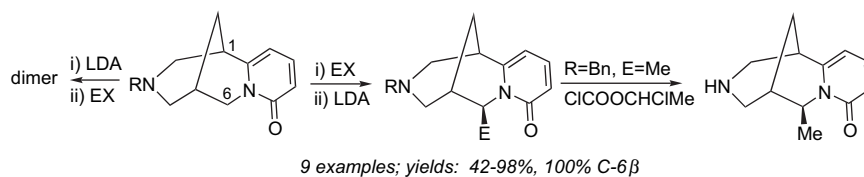
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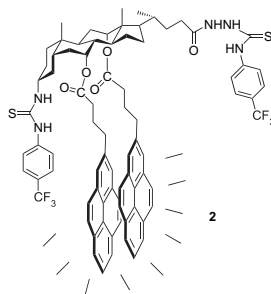
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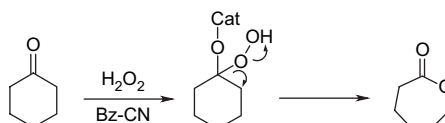
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Hydrotalcites as catalysts for the Baeyer–Villiger oxidation of cyclic ketones with hydrogen peroxide/benzonitrile

José Rafael Ruiz,* César Jiménez-Sanchidrián* and Rafael Llamas

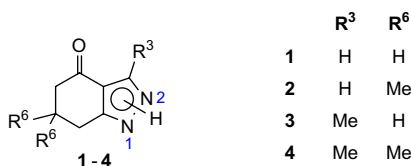
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Synthesis and structural study of tetrahydroindazolones

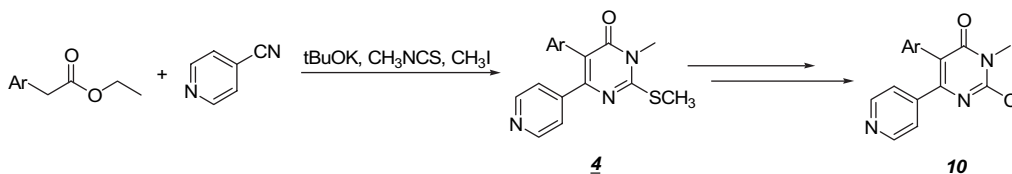
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Will 1*H* tautomers be more stable than 2*H* forms?**An efficient one-pot construction of substituted pyrimidinones**

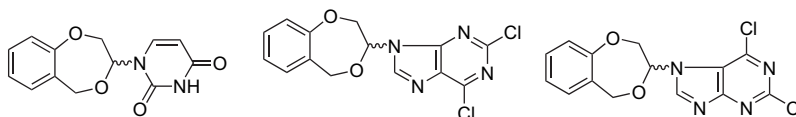
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Yuelie Lu,* Tingjian Xiang, Michael D. Bartberger, Charles Bernard, Tracy Bostick, Liang Huang, Longbin Liu, Aaron Siegmund, Gregory Sukay, Gary Guo, Maria Silva Elipse, Wanda Tormos, Celia Dominguez, Kevin Koch,* Laurence E. Burgess, Thomas C. Basil, Prabha Ibrahim and Conrad Hummel

**Synthesis and anticancer activity studies of novel 1-(2,3-dihydro-5*H*-1,4-benzodioxepin-3-yl)uracil and (6'-substituted)-7- or 9-(2,3-dihydro-5*H*-1,4-benzodioxepin-3-yl)-7*H*- or 9*H*-purines**

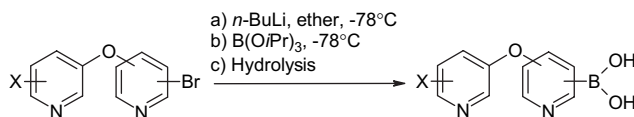
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**Novel oxybispyridylboronic acids: synthesis and study of their reactivity in Suzuki-type cross-coupling reactions**

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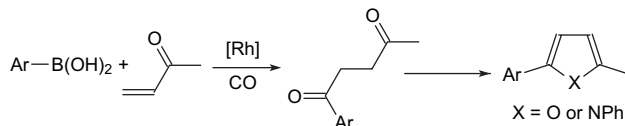
Anne Sophie Voisin, Alexandre Bouillon, Inmaculada Berenguer, Jean-Charles Lancelot, Aurélien Lesnard and Sylvain Rault*



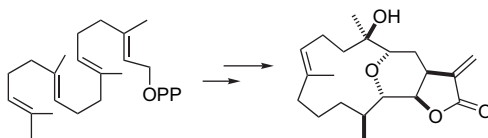
This paper describes the synthesis of novel oxybispyridylboronic acids, which are involved in Suzuki-type cross-coupling reactions leading to pyridylethers of interest in cholinergic medicinal chemistry.

1,4-Carbonylative addition of arylboronic acids to methyl vinyl ketone: a new synthetic tool for rapid furan and pyrrole synthesis pp 11740–11746

Hélène Chochois, Mathieu Sauthier, Eddy Maerten, Yves Castanet* and André Mortreux

**New cytotoxic cembranolides: isolation, biogenetic studies, and synthesis of analogues** pp 11747–11754

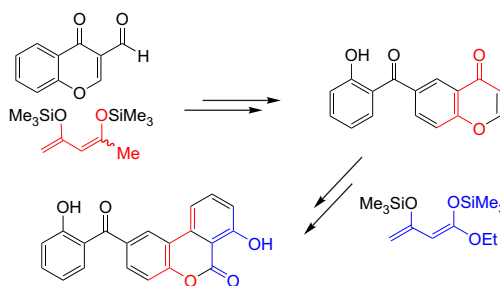
M. Isabel Nieto, Noemí González, Jaime Rodríguez, Russell G. Kerr and Carlos Jiménez*



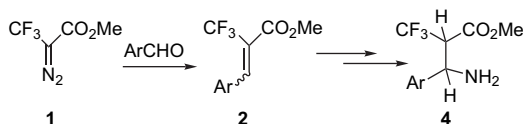
New cytotoxic diterpene cembranes were isolated from *Eunicea mammosa*. Several biogenetic studies using its cell-free extract were performed and a series of analogues were synthesized and evaluated for their cytotoxicity against several cancer cell lines.

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Mathias Lubbe, Bettina Appel, Anke Flemming, Christine Fischer and Peter Langer*

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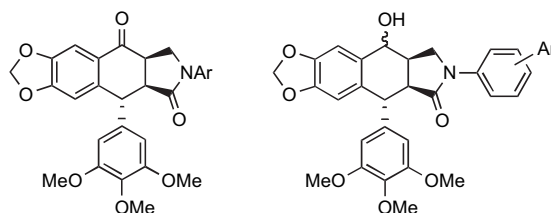
Wan Pang, Shifa Zhu, Huanfeng jiang* and Shizheng Zhu*



1-Aryltetralin privileged structure-based libraries: parallel synthesis of *N*-aryl and *N*-biaryl γ -lactam lignans

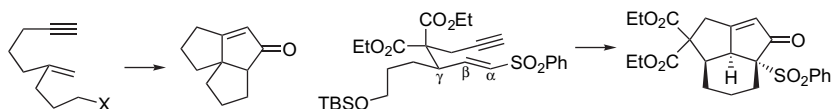
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Matthieu Dorbec, Jean-Claude Florent,* Claude Monneret, Marie-Noëlle Rager and Emmanuel Bertounesque*


An approach to triquinane synthesis using the Pauson–Khand reaction

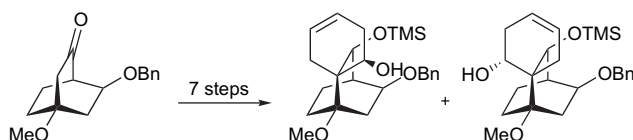
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Marie E. Krafft,* Graham M. Kyne, Chitaru Hirosawa, Peter Schmidt, Khalil A. Abboud and Nathalie L'Helias


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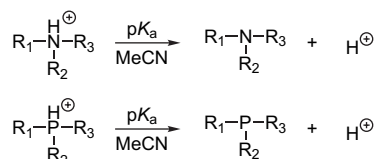
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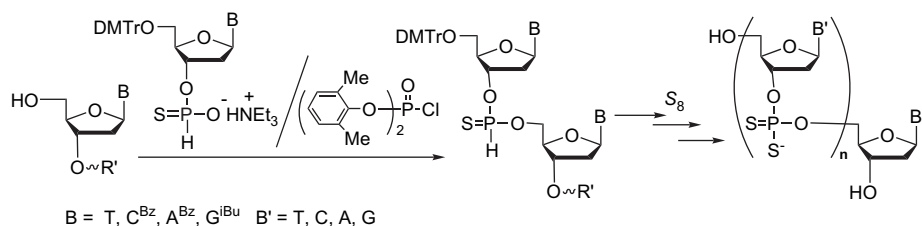
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Jia-Ning Li, Yao Fu,* Lei Liu* and Qing-Xiang Guo



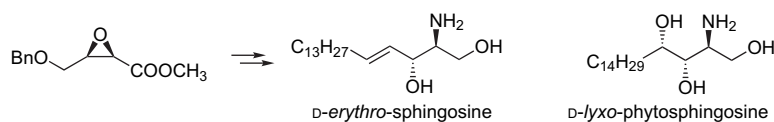
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Giuliana Righi,* Simona Ciambone, Claudia D'Achille, Andrea Leonelli and Carlo Bonini*



*Corresponding author

Supplementary data available via ScienceDirect

COVER

The photo on the cover represents the leaves and flowers of the leguminosae *Laburnum anagyroides* from the seeds of which (–)-cytisine is easily extracted. During the last decade, this alkaloid has been the focus of intense research as a template for the synthesis of new compounds with pharmaceutical interest or as chiral sources for asymmetric synthesis. We report in this article an original regio- and diastereoselective functionalization of (–)-cytisine based on the in situ trapping of a carbanion formed via a carbonyl directed deprotonation. *Tetrahedron* **2006**, 62, 11679–11686.

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