

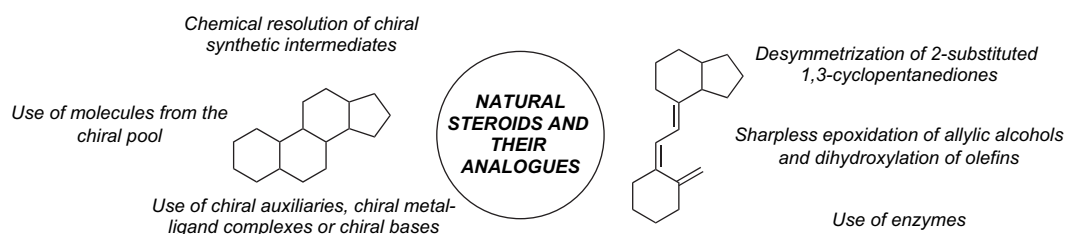
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REPORT

Enantioselective synthesis of steroids

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Anne-Sophie Chapelon, Delphine Moraléda, Raphaël Rodriguez, Cyril Ollivier* and Maurice Santelli*

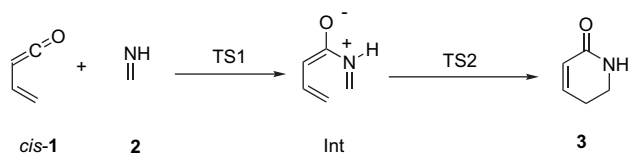


ARTICLES

A theoretical study of the influence of BF_3 on the reaction path of the [4+2] cycloaddition of vinylketene with formaldimine

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Angeles Peña-Gallego,* Jesús Rodríguez-Otero and Enrique M. Cabaleiro-Lago



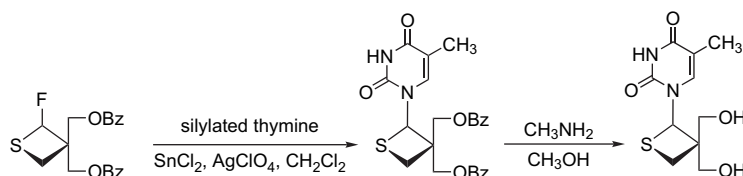
The influence of BF_3 on the mechanism of the [4+2] cycloaddition of vinylketene with formaldimine was theoretically studied, analyzing the *pericyclic* or *pseudopericyclic* character of the cyclization step.



Synthesis of thietane nucleosides by glycosidation of thietanose derivatives with nucleobases

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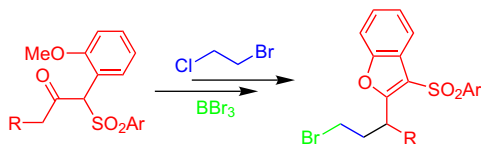
Naozumi Nishizono,* Michiyasu Sugo, Minoru Machida and Kazuaki Oda*



Regioselective synthesis of ω -bromo-3-ketosulfones, ω -bromo-3-ketonitriles and 2-(ω -bromoalkyl)benzofurans based on a ‘ring-closing/ring-opening’ strategy

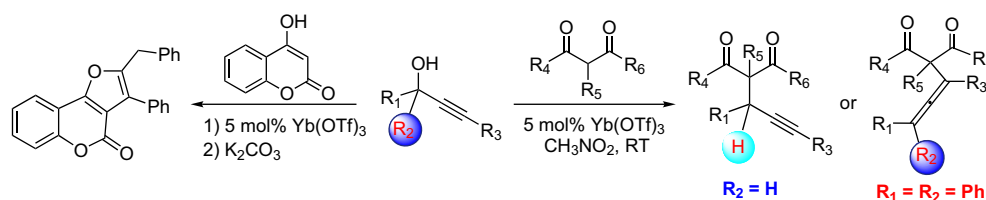
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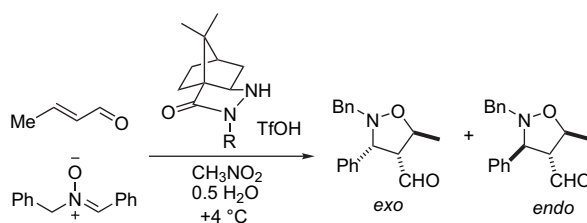
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Wen Huang, Jialiang Wang, Quansheng Shen and Xigeng Zhou*


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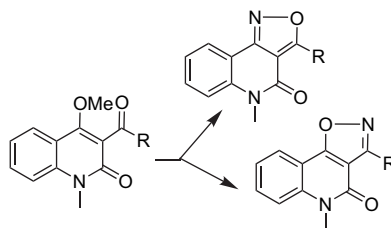
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Mathieu Lemay, John Trant and William W. Ogilvie*


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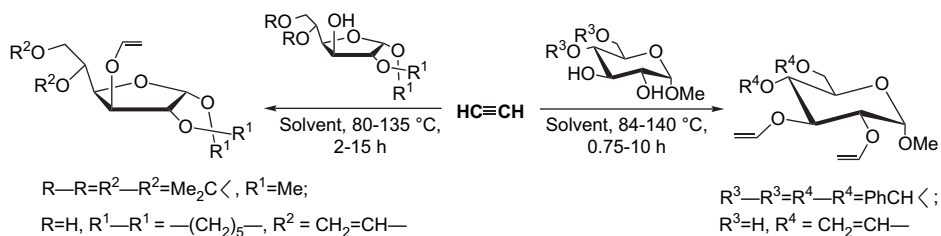
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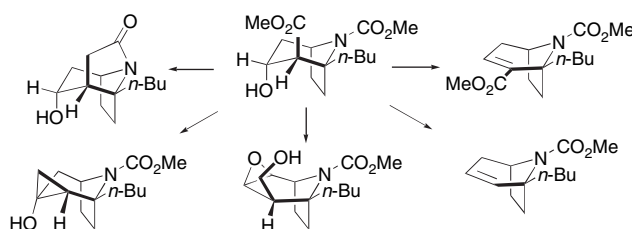
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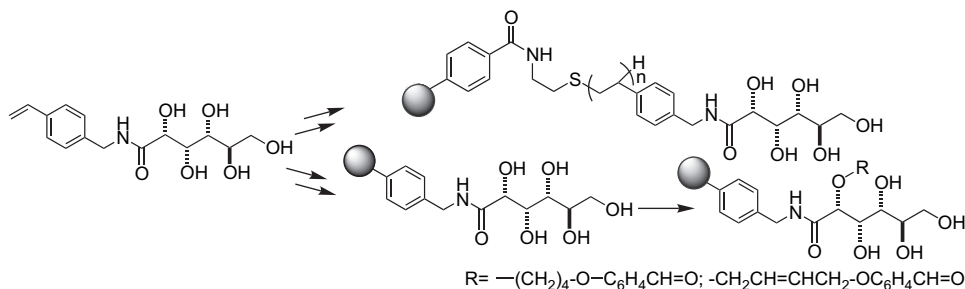
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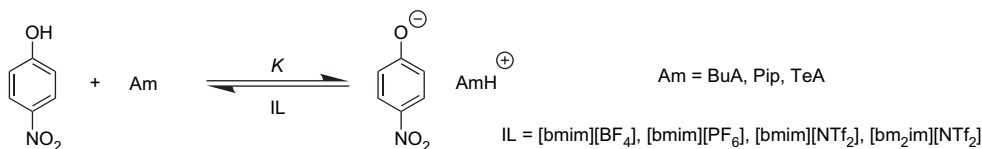
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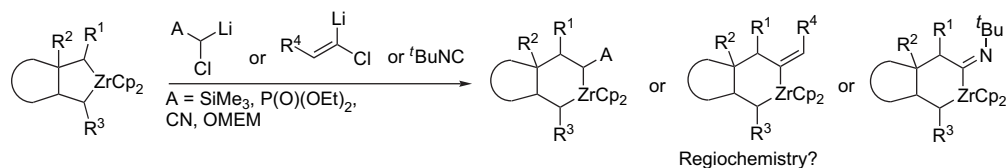
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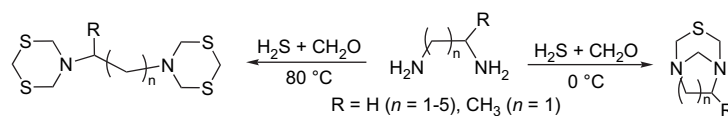
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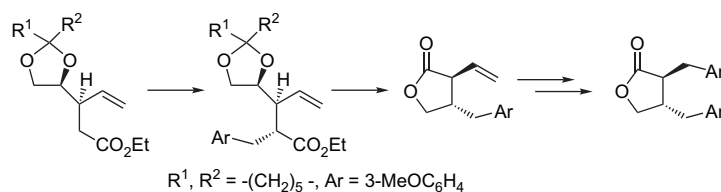
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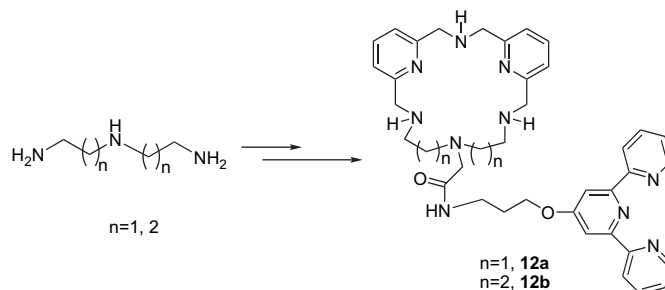
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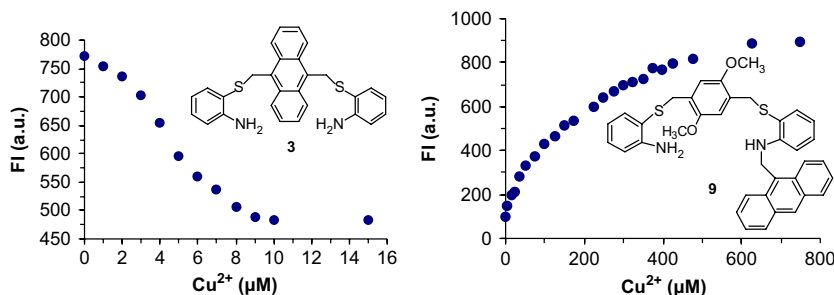
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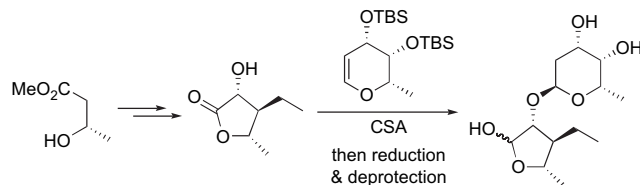
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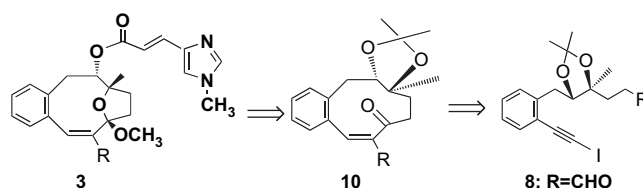
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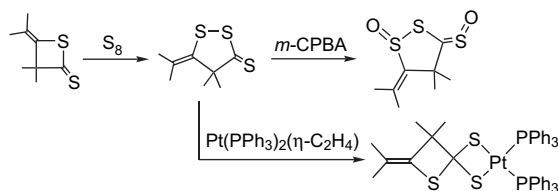
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Novel formation of 1,2-dithiolane-3-thione from β-dithiolactone. Isolation of dithiolato-palladium and -platinum complexes

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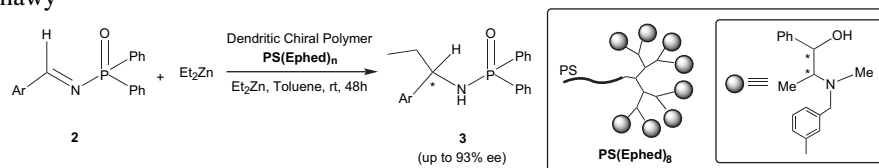
Kentaro Okuma,* Akiko Nojima, Toshiyuki Shigetomi and Yoshinobu Yokomori



Synthesis of novel well-defined chain-end-functionalized polystyrenes with dendritic chiral ephedrine moieties and their applications as highly enantioselective diethylzinc addition to *N*-diphenylphosphinoyl arylimines

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Ashraf A. El-Shehawy



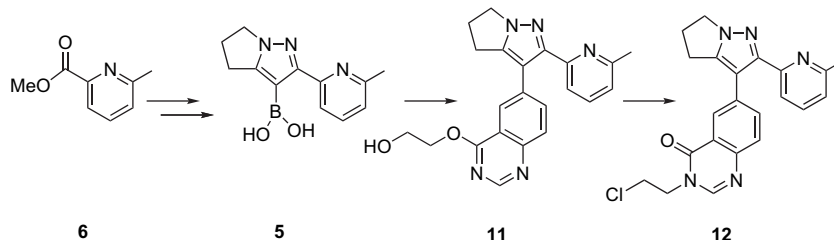
A novel series of well-defined chain-end-functionalized polystyrenes having 2, 4, 8 and, 16 chiral ephedrine moieties dendritically distributed at the chain ends were prepared and evaluated as chiral ligands in the diethylzinc addition to a series of *N*-diphenylphosphinoyl imines. Among them, chiral dendrimer having eight ephedrine moieties at the chain-ends of **PS(Ephed)₈** afforded the addition products with high enantioselectivities (up to 93% ee).



A concise synthesis of quinazolinone TGF- β RI inhibitor through one-pot three-component Suzuki–Miyaura/etherification and imidate–amide rearrangement reactions

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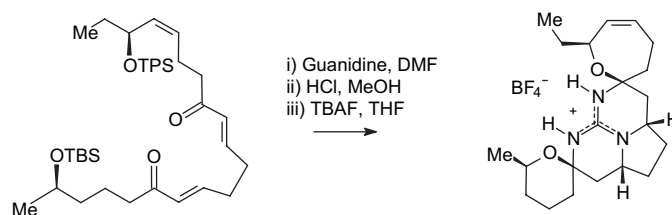
Hong-yu Li,* Yan Wang, William T. McMillen, Arindam Chatterjee, John E. Toth, Sreenivasa R. Mundla, Matthew Voss, Robert D. Boyer and J. Scott Sawyer



Synthetic studies towards ptilomycalin A: total synthesis of crambescidin 359

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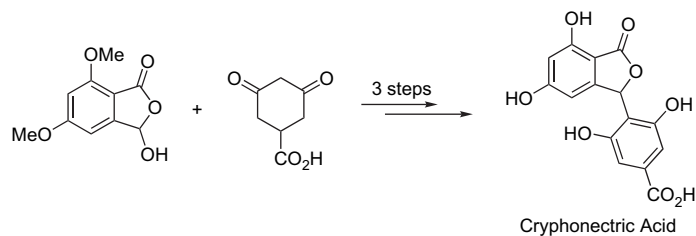
Christopher G. Moore, Patrick J. Murphy,* Harri L. Williams, Alan T. McGown and Nigel K. Smith




Regiospecific synthesis of 3-(2,6-dihydroxyphenyl)phthalides: application to the synthesis of isopestacin and cryphonectric acid

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Dipakranjan Mal,* Pallab Pahari and Saroj Ranjan De



*Corresponding author

 Supplementary data available via ScienceDirect

COVER

A synthesis of the guanidine containing marine natural product crambescidin 359 is reported. The synthesis takes as its inspiration a proposed biosynthesis of the natural product, with the key step being a double Michael addition of guanidine to a suitably functionalised bis-enone. *Tetrahedron* **2007**, *63*, 11771–11780.

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