

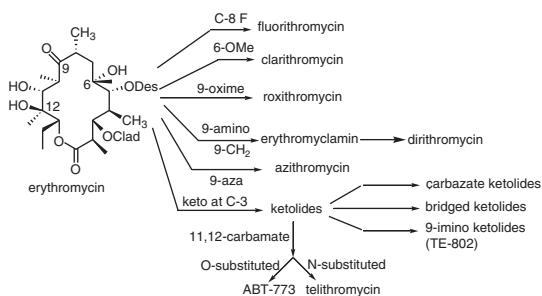
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## REPORT

**A journey across the sequential development of macrolides and ketolides related to erythromycin**

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Sarbani Pal

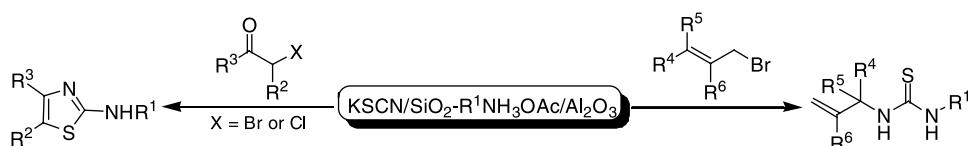


## ARTICLES

**One pot synthesis using supported reagents system KSCN/SiO<sub>2</sub>–RNH<sub>2</sub>OAc/Al<sub>2</sub>O<sub>3</sub>: synthesis of 2-aminothiazoles and N-allylthioureas**

pp 3201–3213

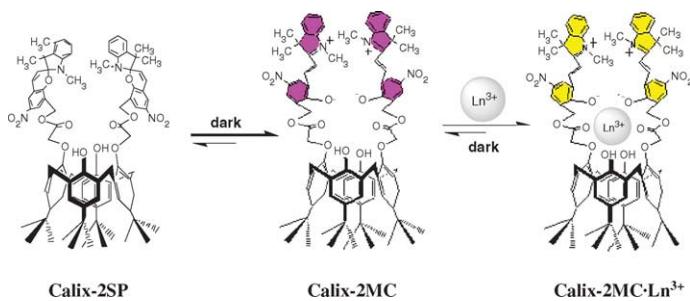
Tadashi Aoyama,\* Sumiko Murata, Izumi Arai, Natsumi Araki, Toshio Takido, Yoshitada Suzuki and Mitsuo Kodomari



**A selective colorimetric chemosensor for lanthanide ions**

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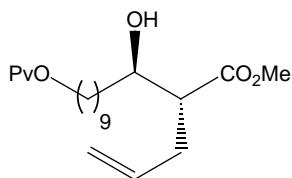
Zhilian Liu, Lin Jiang, Zhi Liang and Yunhua Gao\*



**An improved procedure for the preparation of the  $\beta$ -hydroxy- $\alpha$ -alkyl fatty acid fragment of mycolic acids**

pp 3221–3227

Gianna Toschi and Mark S. Baird\*

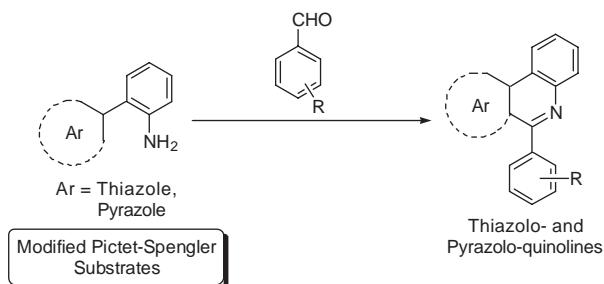


We report the synthesis of a single enantiomer of a functionalised  $\beta$ -hydroxy acid as a synthon for a wide range of mycolic acids

**Application of modified Pictet–Spengler reaction for the synthesis of thiazolo- and pyrazolo-quinolines**

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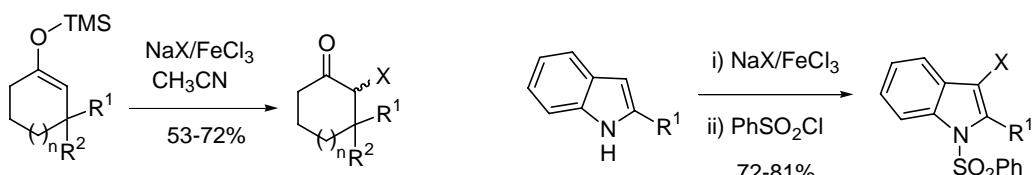
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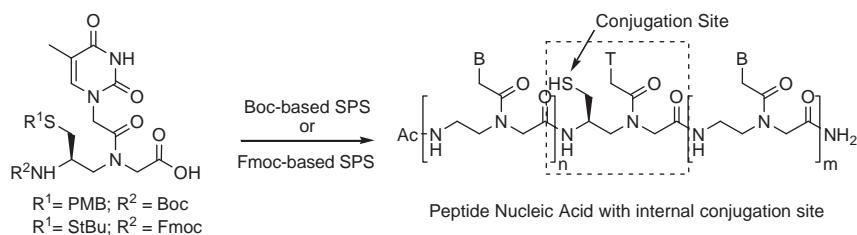
Arasambattu K. Mohanakrishnan,\* Chandran Prakash and Neelamegam Ramesh



**Synthesis of thiol-modified peptide nucleic acids designed for post-assembly conjugation reactions**

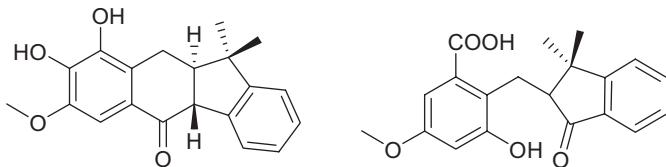
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Martijn C. de Koning, Lene Petersen, Jimmy J. Weterings, Mark Overhand, Gijsbert A. van der Marel and Dmitri V. Filippov\*



**Structural elucidation and bioactivity of novel secondary metabolites from *Carex distachya***  
 Antonio Fiorentino,\* Brigida D'Abrosca, Angelina Izzo, Severina Pacifico and Pietro Monaco

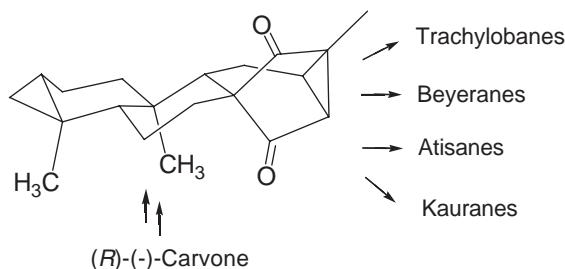
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**A unified synthetic approach to trachylobane-, beyerane-, atisane- and kaurane-type diterpenes**  
 Antonio Abad,\* Consuelo Agulló, Ana C. Cuñat, Ignacio de Alfonso Marzal, Ismael Navarro  
 and Antonio Gris

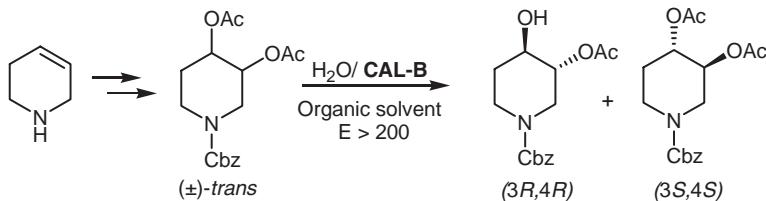
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A stereoselective general synthetic approach to trachylobane-, beyerane-, atisane- and kaurane-type diterpenoids in both enantiomeric series, starting from (*S*)- or (*R*)-carvone, is described.



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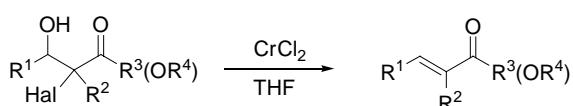
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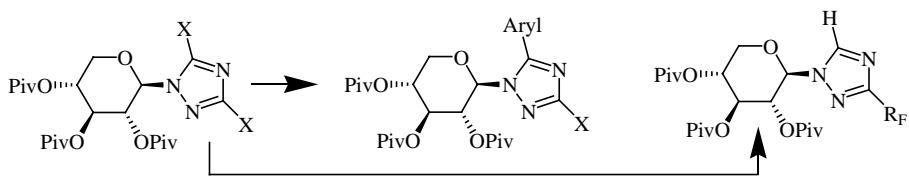
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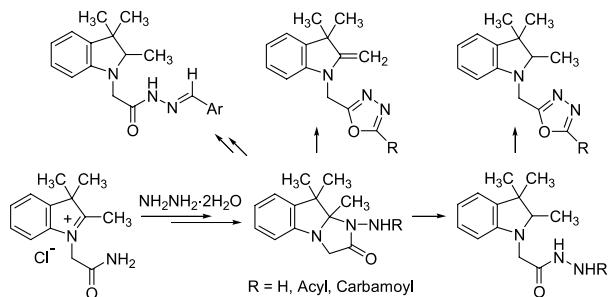


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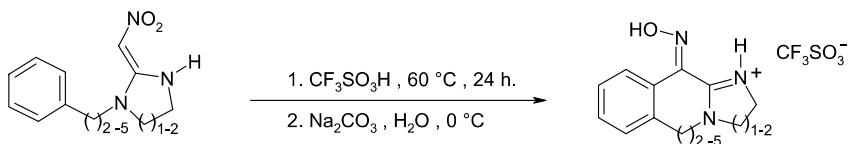
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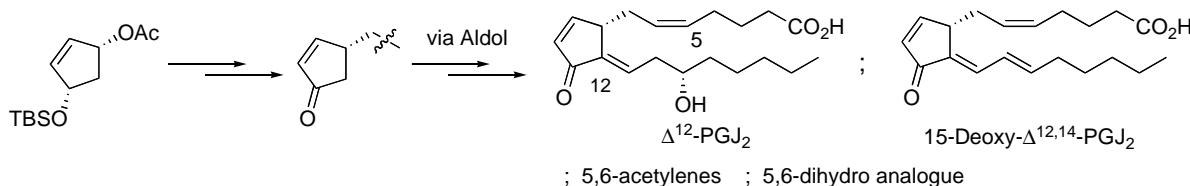
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Hukum P. Acharya and Yuichi Kobayashi\*

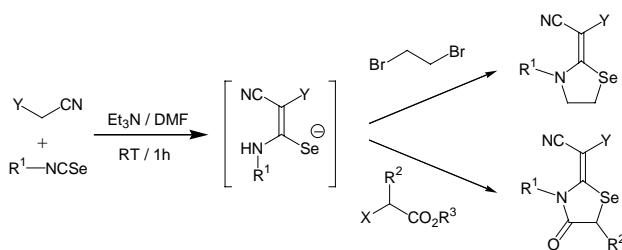
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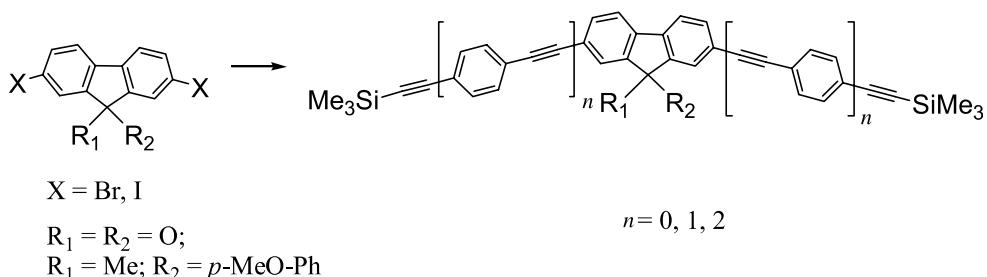
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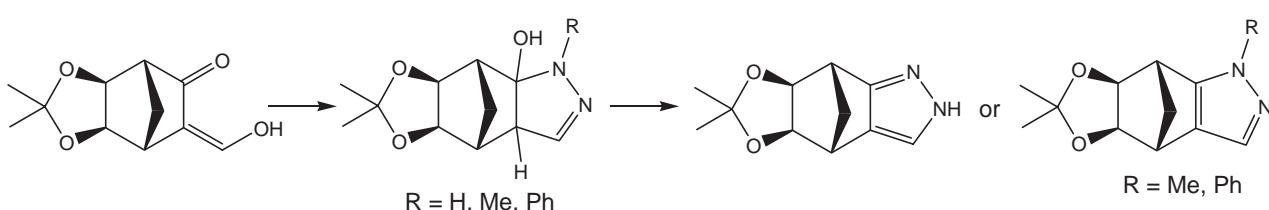
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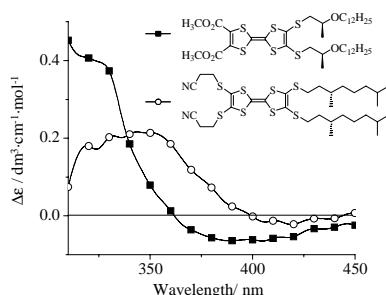
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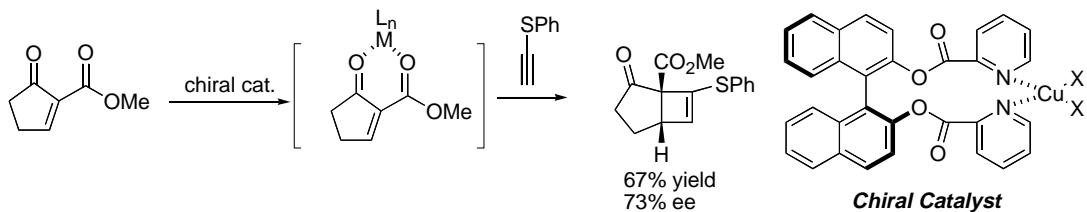
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**Catalytic enantioselective [2+2]-cycloaddition reaction of 2-methoxycarbonyl-2-cyclopenten-1-one by chiral copper catalyst** pp 3380–3388

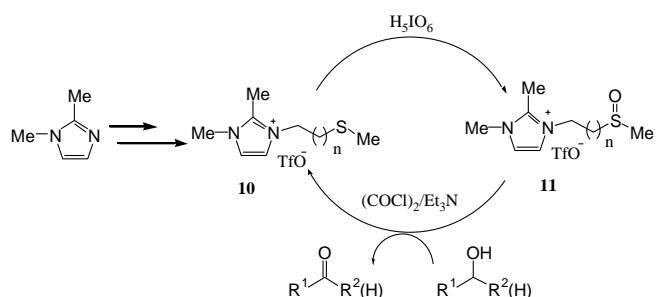
Yosuke Takenaka, Hisanaka Ito,\* Mineki Hasegawa and Kazuo Iguchi\*



**New non-volatile and odorless organosulfur compounds anchored on ionic liquids. Recyclable reagents for Swern oxidation**

Xun He and Tak Hang Chan\*

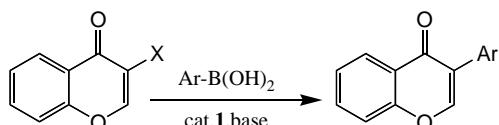
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**Oxazoline Chemistry. Part 11: Syntheses of natural and synthetic isoflavones, stilbenes and related species via C–C bond formation promoted by a Pd–oxazoline complex**

Charles R. Eisnor, Robert A. Gossage\* and Paras N. Yadav

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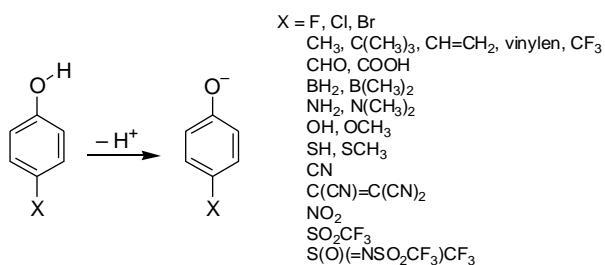


The use of an air stable Pd–oxazoline catalyst (**1**) as mediator of selective C–C bond formation reactions is described. The methodology is then applied to the syntheses of a number of biologically relevant stilbene and isoflavone derivatives.

**Triadic analysis of substituent effects—gas-phase acidity of *para*-substituted phenols**

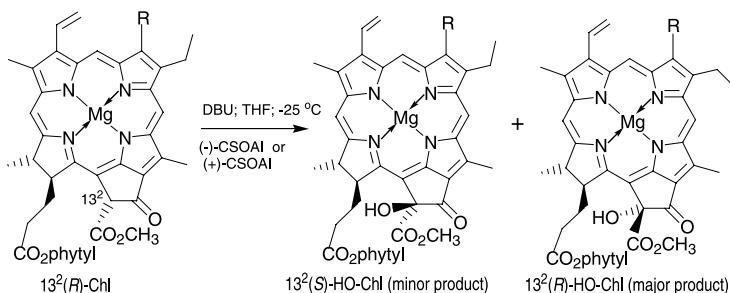
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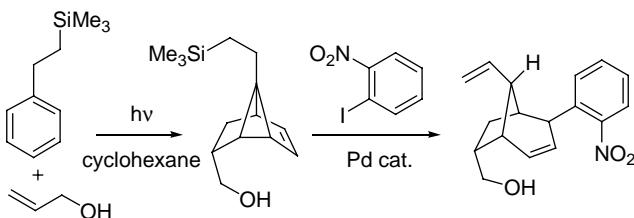


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**Part 1**

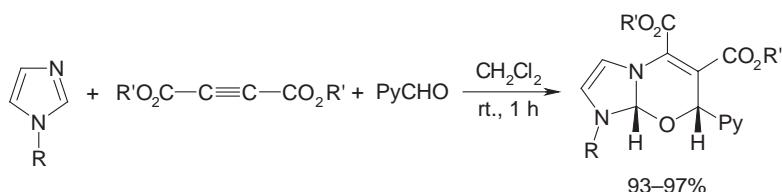
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**Efficient highly diastereoselective synthesis of 1,8a-dihydro-7*H*-imidazo[2,1-*b*][1,3]oxazines**

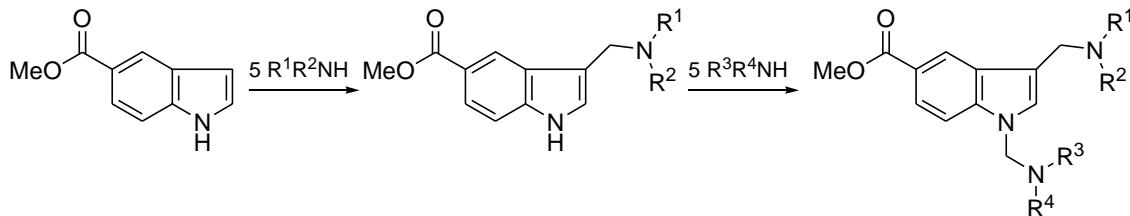
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Mehdi Adib,\* Esmaeil Sheibani, Manizheh Mostofi, Khadijeh Ghanbary and Hamid Reza Bijanzadeh



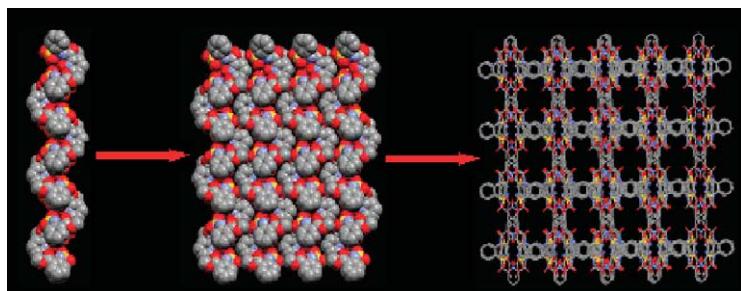
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Charlotta Lindquist, Oguz Ersoy\* and Peter Somfai\*

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A library of 25 novel  
bis-Mannich adducts

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\*Corresponding author

ⓘ<sup>†</sup> Supplementary data available via ScienceDirect

## COVER

The cover figure shows the preparation of biogenetically related atisane, kaurane and beyerane tetracyclic diterpenes through the regioselective cleavage of the cyclopropane ring of a key trachylobane-type intermediate, which can be prepared in both enantiomeric forms starting from (*S*)- or (*R*)-carvone. *Tetrahedron*, **2006**, *62*, 3266–3283.

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ISSN 0040-4020