

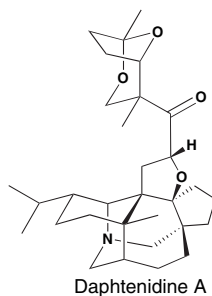
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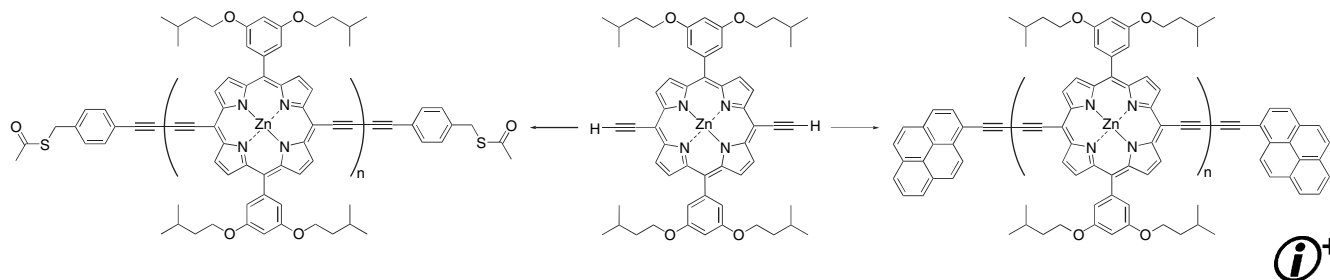
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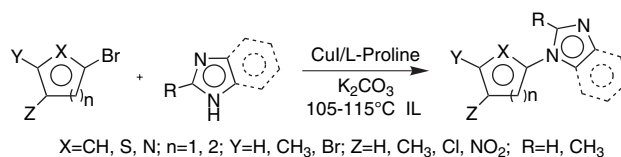
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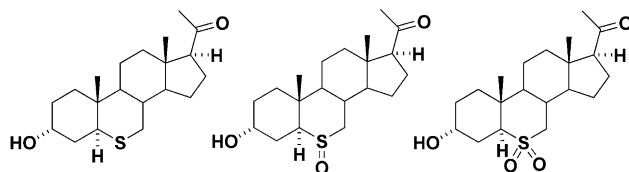
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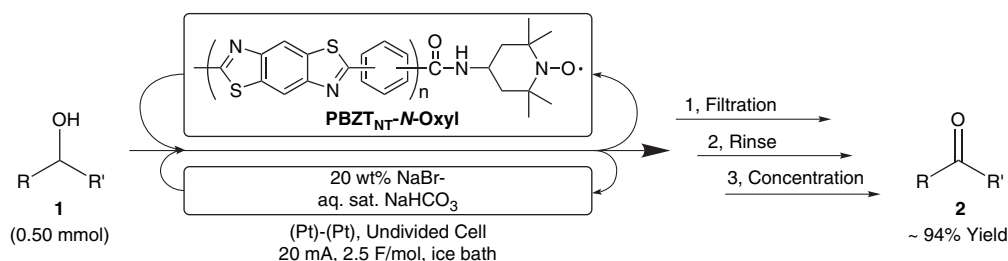
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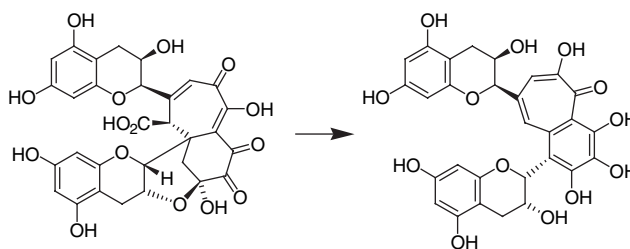
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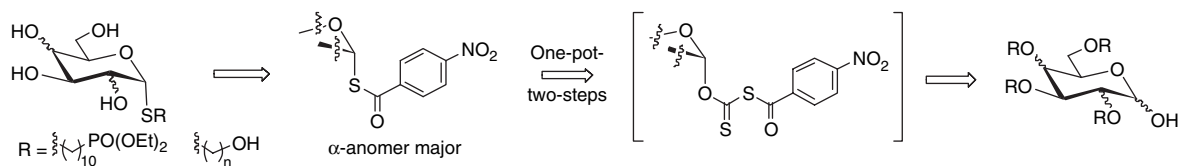
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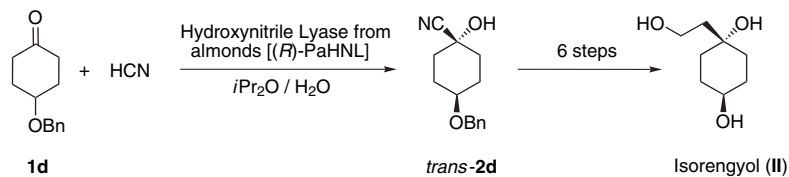
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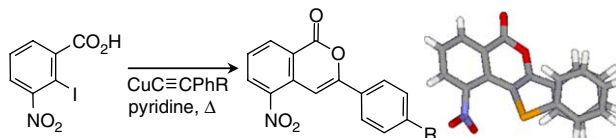
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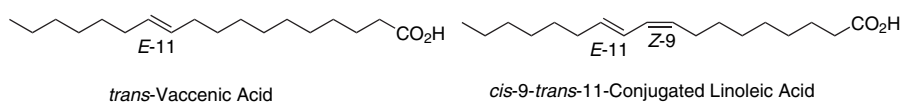
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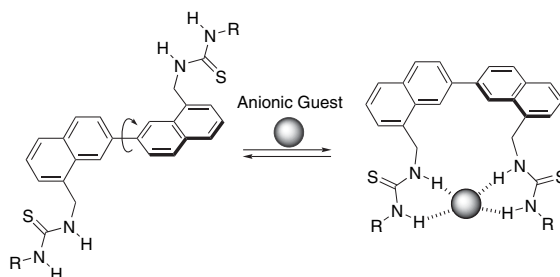
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**UV-vis and fluorescence spectroscopic detection of anions by the conformational restriction of 2,2'-binaphthalene derivatives bearing thiourea groups through a methylene spacer**

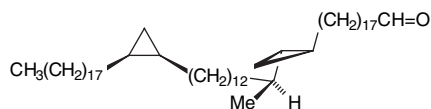
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The synthesis of one enantiomer of the α -methyl-*trans*-cyclopropane unit of mycolic acids
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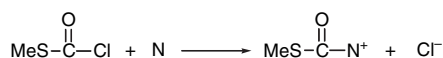


We report the synthesis of a single enantiomer of a meromycolate that contains one *cis*-1,2-dialkylcyclopropane and one α -methyl-*trans*-1,2-dialkylcyclopropane.

Kinetics and mechanisms of the reactions of *S*-methyl chlorothioformate with pyridines and secondary alicyclic amines

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Enrique A. Castro,* Margarita Aliaga, Marcela Gazitúa and José G. Santos*

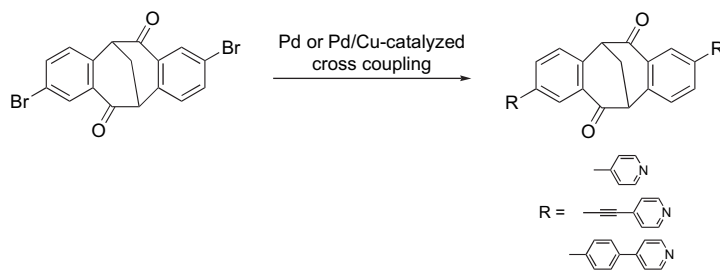


N represents a pyridine or a secondary alicyclic amine. Both reactions are stepwise, through a zwitterionic tetrahedral intermediate.

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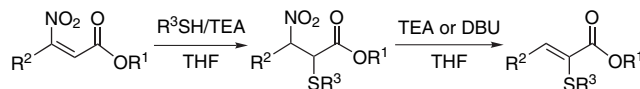
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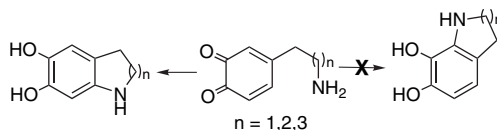
Elzbieta Lewandowska



An MO study of regioselective amine addition to *ortho*-quinones relevant to melanogenesis

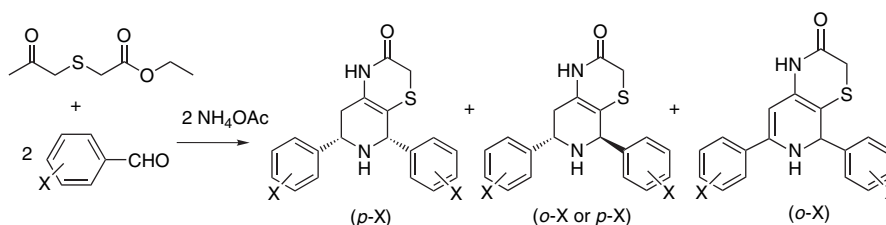
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Edward J. Land, Christopher A. Ramsden* and Patrick A. Riley

**A tandem multi-component synthesis of 5,7-diaryl-5,6,7,8-tetrahydro-1*H*-pyrido[3,4-*b*][1,4]thiazin-2(3*H*)-ones**

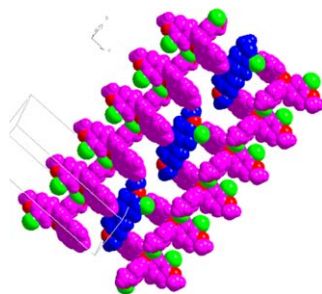
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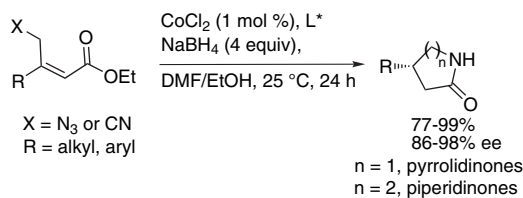
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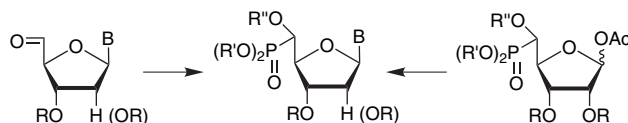
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Nucleoside 5'-C-phosphonates: reactivity of the α -hydroxyphosphonate moiety

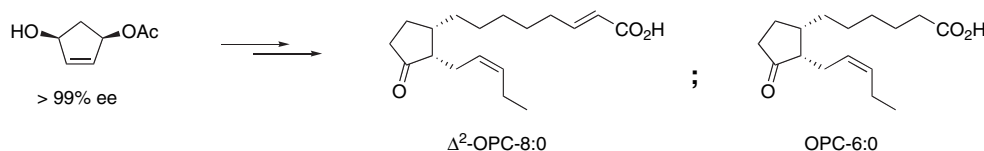
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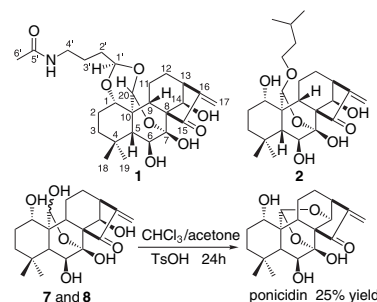
Kaori Yagi, Hisato Nonaka, Hukum P. Acharya, Kazushi Furukawa, Takayuki Ainai and Yuichi Kobayashi*

**Cytotoxic *ent*-kauranoid derivatives from *Isodon rubescens***

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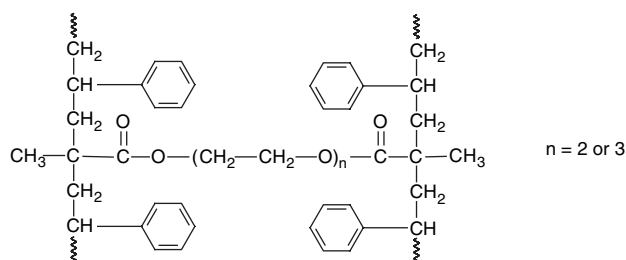
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An extensive study of the diterpenoids produced by the species of *Isodon rubescens*, has led to the isolation of 12 new *ent*-kaurane diterpenoids, hebeirubescensins A–L (1–12), and 19 known analogues. Their structures were determined on the basis of spectroscopic analysis. Selected compounds were assayed for their inhibitory ability against human A549, HT-29, and K562 cells. Among them, hebeirubescensins B and C exhibited significant cytotoxicity with IC_{50} values of $<2.0 \mu\text{M}$. The structure–activity relationships were discussed.

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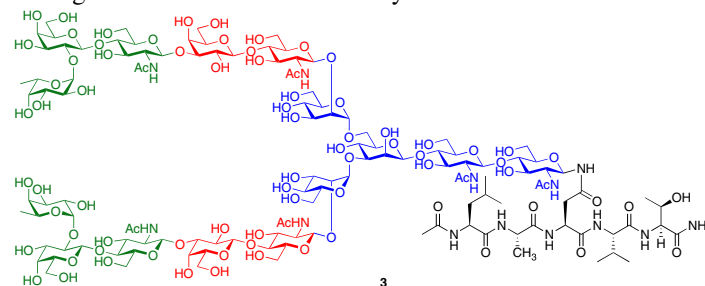
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A highly convergent synthesis of an N-linked glycopeptide presenting the H-type 2 human blood group determinant

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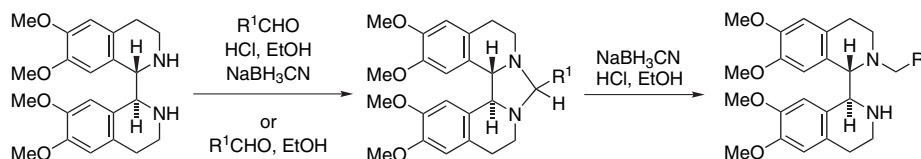
Zhi-Guang Wang, J. David Warren, Vadim Y. Dudkin, Xufang Zhang, Ulrich Iserloh, Michael Visser, Matthias Eckhardt, Peter H. Seeberger and Samuel J. Danishefsky*



An effective method for the preparation of mono N-alkyl derivatives of 1,1'-bis(6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline)

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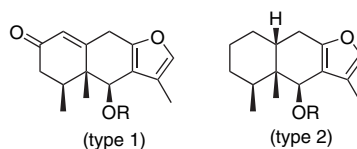
Benjamin K. H. Chan, Bing Deng, Michael W. Jones and Roger W. Read*



Chemical constituents of *Ligularia virgaurea* and its diversity in southwestern Sichuan of China


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Motoo Tori,* Kaori Honda, Hiromi Nakamizo, Yasuko Okamoto, Misato Sakaoku, Shigeru Takaoka, Xun Gong,* Yuemao Shen, Chiaki Kuroda* and Ryo Hanai*



Ligularia virgaurea var. *virgaurea* of the title area was found to be divided into two types based on the furanoeremophilane composition and the ITS sequences.

*Corresponding author

 Supplementary data available via ScienceDirect

COVER

The total synthesis of an H-type blood group determinant in a model biological setting is described. The construct is comprised of a high mannose core structure with projecting lactose spacers, culminating in a two-copy presentation of the H-type blood group determinant itself. The pentadecasaccharide was assembled via a '5+2+3' coupling strategy and then further elaborated to generate the shown glycopeptide. *Tetrahedron* **2006**, 62, 4954–4978.

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