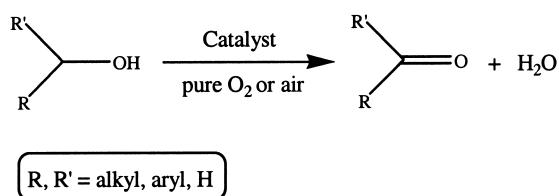


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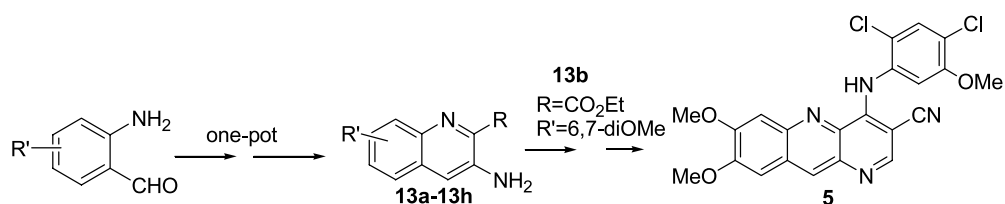


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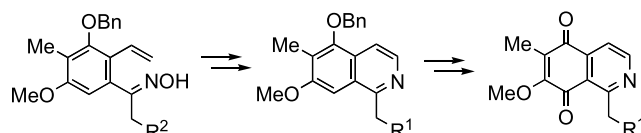
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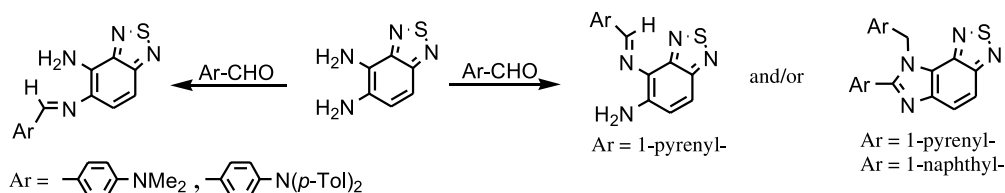
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Site-selective formation of *N*-arylmethylimidazoles and *C*-arylimines in the reaction of 4,5-diamino-2,1,3-benzothiadiazole with aromatic aldehydes

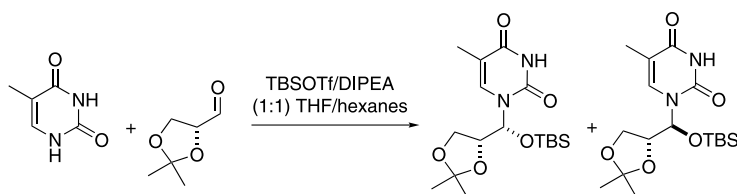
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Silylative *N*-hydroxyalkylation of amide compounds: application to the synthesis of acyclic alditol-based nucleoside analogues

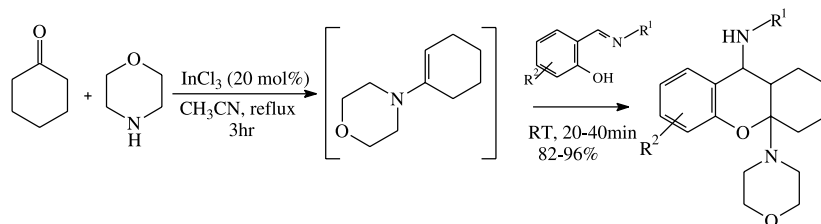
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Lucia Battistini,* Giovanni Casiraghi, Claudio Curti, Gloria Rassu, Vincenzo Zambrano and Franca Zanardi*


Indium(III) chloride catalyzed in situ generation of enamines and cyclization with imines: a novel route for synthesis of hexahydroxanthene-9-*N*-arylamines

pp 2965–2969

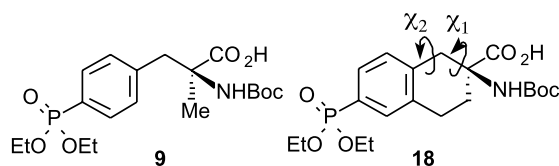
Marimuthu Anniyappan, D. Muralidharan, Paramasivan T. Perumal* and Jagadese J. Vittal


 A simple, efficient, and novel method for the synthesis of hexahydroxanthene-9-*N*-arylamines through a one-pot reaction of cyclohexanone and morpholine with salicylaldehyde imines in the presence of indium(III) chloride as a catalyst is reported.

Synthesis of α,α -disubstituted 4-phosphonophenylalanine analogues as conformationally-constrained phosphotyrosyl mimetics

pp 2971–2977

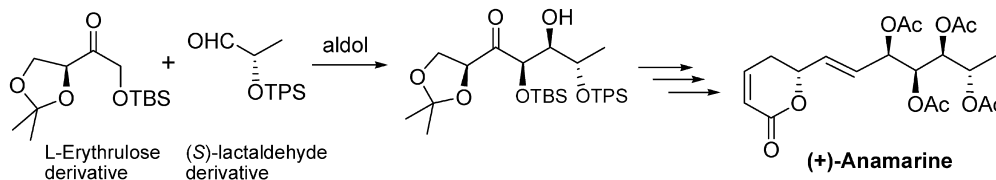
Shinya Oishi, Sang-Uk Kang, Hongpeng Liu, Manchao Zhang, Dajun Yang, Jeffrey R. Deschamps and Terrence R. Burke, Jr.*



Stereoselective synthesis of anamarine

pp 2979–2985

Santiago Díaz-Oltra, Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

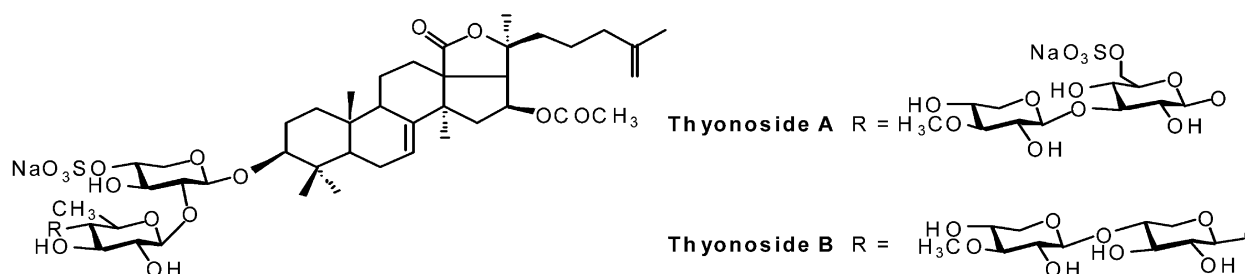


The naturally occurring, cytotoxic lactone (+)-anamarine has been synthesized in a completely stereoselective way. The aldol reaction of a suitably protected L-erythrulose derivative with a (S)-lactaldehyde derivative was the key step of the synthesis. An asymmetric allylation and a ring-closing metathesis were further relevant steps.

Thyonosides A and B, two new saponins isolated from the holothurian *Thyone aurea*

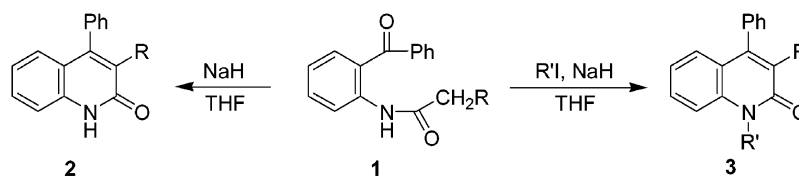
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Isabelle Bonnard* and Kenneth L. Rinehart

**Facile synthesis of 4-phenylquinolin-2(1H)-one derivatives from N-acyl-o-aminobenzophenones**

pp 2993–2999

Kwanghee Koh Park* and Jin Joo Lee

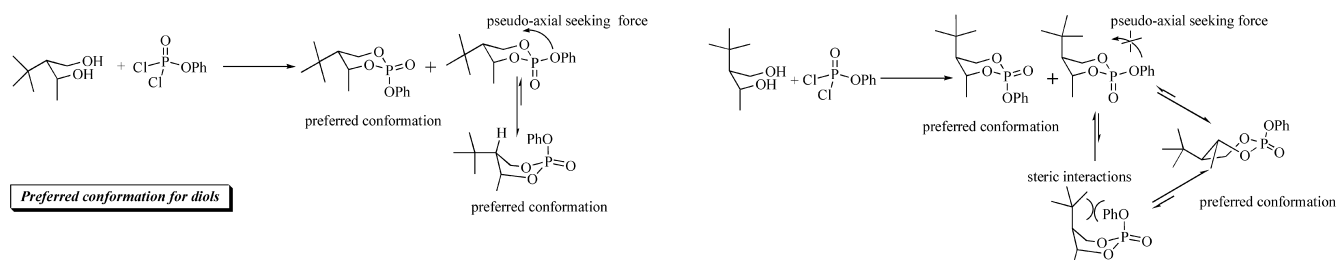


The reaction of **1** ($R = \text{H}, \text{CH}_3, n\text{-C}_5\text{H}_{11}$) with NaH gave **2** in 62–83% yields, and the reaction in the presence of R'I gave **3** ($R' = \text{Me}, \text{Et}, n\text{-Octyl}$) in 75–95% yields.

Conformational and configurational analysis of 2-phenoxy-2-oxo-1,3,2-dioxaphosphorinanes. Conformational and configurational dependence upon conformation of the diol precursor

pp 3001–3008

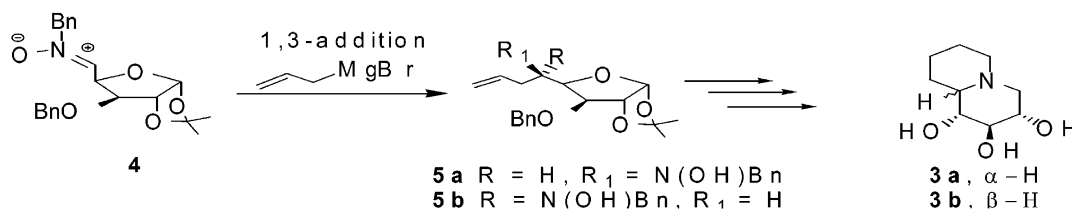
Fernando Sartillo-Piscil,* Mario Sánchez, Silvano Cruz-Gregorio and Leticia Quintero*



Synthesis of trihydroxy quinolizidine alkaloids: 1,3-addition reaction of allylmagnesium bromide to a sugar nitrone

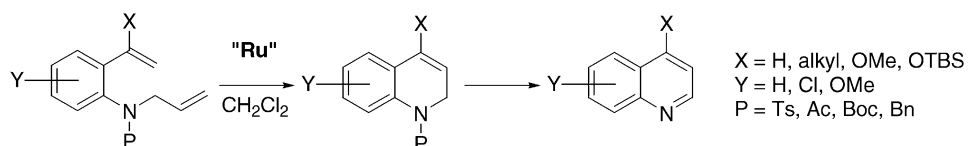
pp 3009–3016

Dilip D. Dhavale,* Santosh M. Jachak, Navnath P. Karche and Claudio Trombini


A novel synthesis of substituted quinolines using ring-closing metathesis (RCM): its application to the synthesis of key intermediates for anti-malarial agents

pp 3017–3035

Chumpol Theeraladanon, Mitsuhiro Arisawa, Atsushi Nishida* and Masako Nakagawa*


A computational study of cation– π interactions in polycyclic systems: exploring the dependence on the curvature and electronic factors

pp 3037–3043

U. Deva Priyakumar, M. Punngai, G. P. Krishna Mohan and G. Narahari Sastry*

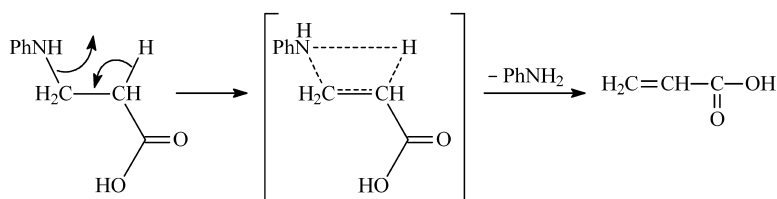


Metal ion binding with six-membered π -systems span a wide range and can vary greatly, the structural and electronic factors can make the binding energy anywhere between 15 and 60 kcal/mol in this series.

Kinetics and mechanism of thermal gas-phase elimination of α - and β -(N-arylamino)propanoic acid: experimental and theoretical analysis

pp 3045–3049

Sundus A. Al-Awadi, Mariam R. Abdallah, Mohamad A. Hasan and Nouria A. Al-Awadi*

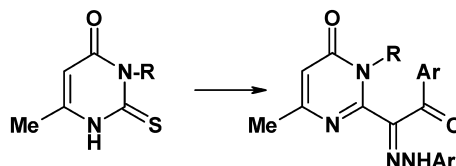


Thermal gas-phase elimination of 3-(N-phenylamino)propanoic acid together with four of its aryl analogues reveal the formation of acrylic acid in addition to aniline or substituted anilines. Theoretical study using an ab initio SCF method lend support to a reaction pathway involving a 4-membered cyclic transition state.

Synthesis and tautomeric structure of 2-[N-aryl-2-oxo-2-arylethanehydrazonyl]-6-methyl-4(3H)-pyrimidinones

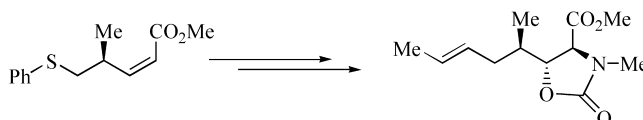
pp 3051–3057

Ahmad Sami Shawali* and Thoraya A. Farghaly

**Modular and stereoselective formal synthesis of MeBmt, an unusual amino acid constituent of cyclosporin A**

pp 3059–3065

Sadagopan Raghavan* and M. Abdul Rasheed

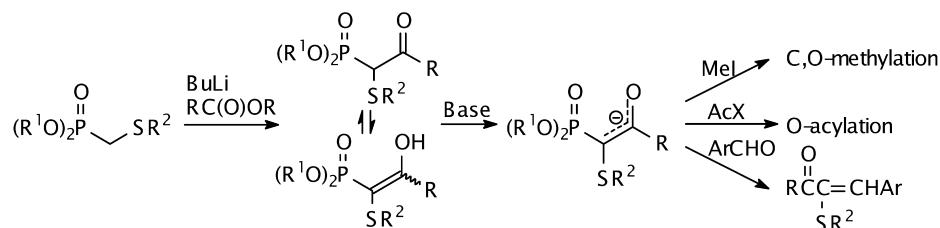


A stereoselective formal synthesis of MeBmt is disclosed.

 α -Alkyl(aryl)sulfonyl substituted β -ketophosphonates: synthesis, properties and reactivity

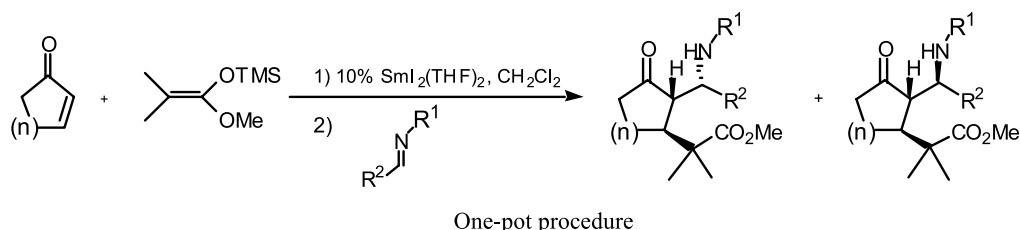
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Marian Mikołajczyk,* Piotr Bałczewski, Hanna Chefczyńska and Aldona Szadowiak

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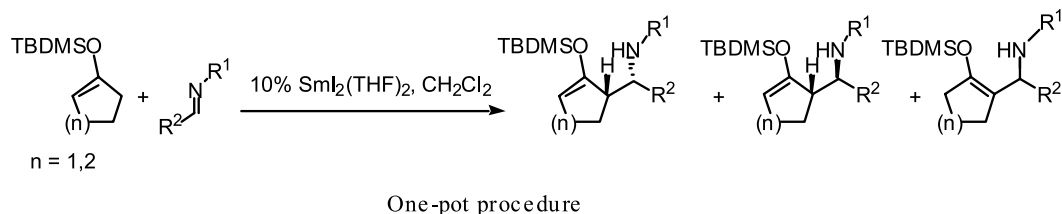
Nada Jaber, Martine Assié, Jean-Claude Fiaud and Jacqueline Collin*



Tandem reactions catalyzed by lanthanide iodides. Part 2: Tandem iminoaldol–enolisation reactions

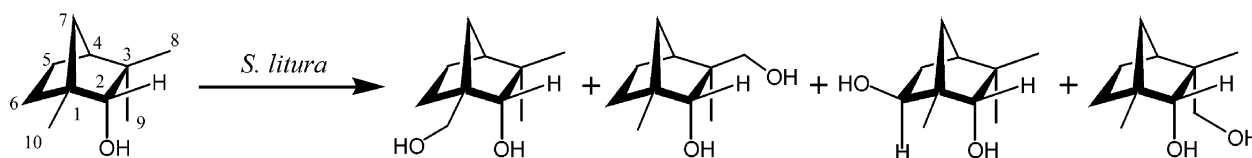
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Richard Gil, Marion Eternot, Marie-George Guillerez and Jacqueline Collin*


Biotransformation of (+)-(1*R*,2*S*)-fenchol by the larvae of common cutworm (*Spodoptera litura*)

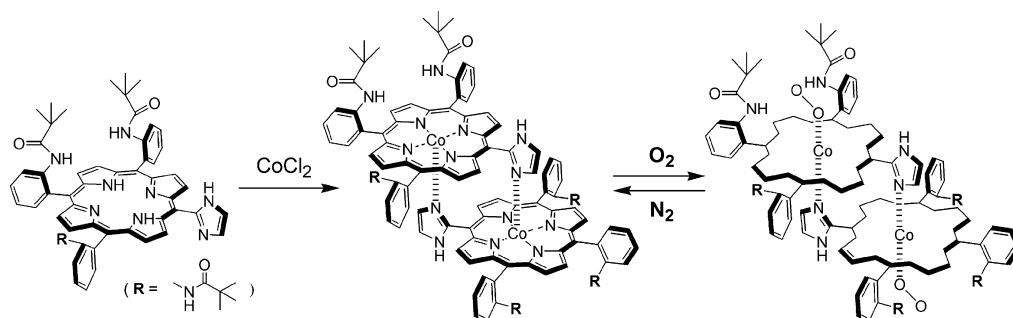
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Mitsuo Miyazawa* and Yohei Miyamoto

Biotransformation of (+)-(1*R*,2*S*)-fenchol in *Spodoptera litura* larvae has been investigated and isolated four metabolites (three new).
Synthesis of a complementary dimer from mono(imidazolyl)-substituted cobalt(II) porphyrin as a new artificial T-form hemoglobin

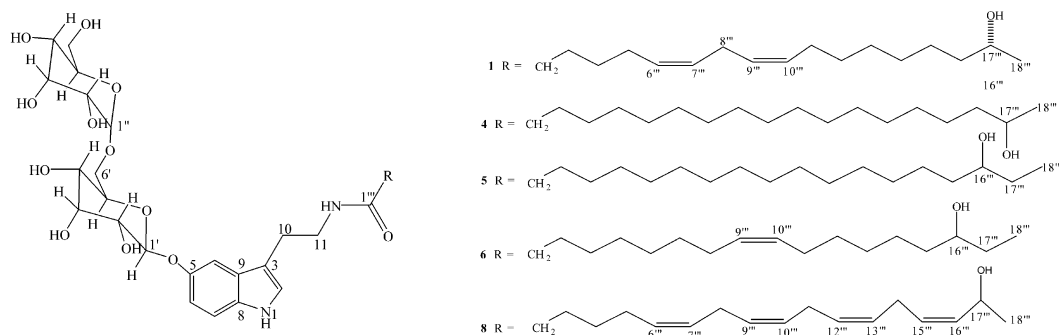
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Yusuke Inaba and Yoshiaki Kobuke*


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