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### **REVIEW**

Organic Stereochemistry

Part 8. Prostereoisomerism and the Concept of Product Stereoselectivity in Biochemistry and Xenobiotic Metabolism

*B. Testa*

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**Part 8. Prostereoisomerism and the Concept  
of Product Stereoselectivity  
in Biochemistry and Drug Metabolism**

**8.1. Principles of Prostereoisomerism**

**8.2. Endogenous Biochemistry**

**8.3. Product Stereoselectivity in Drug Metabolism**

**8.4. Substrate–Product Stereoselectivity in Drug  
Metabolism**

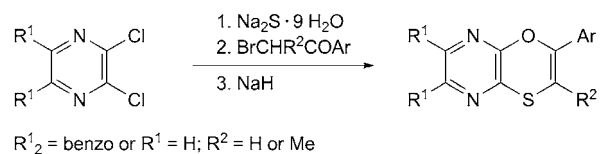
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One-Pot Synthesis of 1,4-Oxathiino[2,3-*b*]quinoxalines or -pyrazines from 2,3-Dichloroquinoxaline or -pyrazine and 1-Aryl-2-bromoalkan-1-ones

*K. Kobayashi\**, *N. Konishi*, *T. Suzuki*, *K. Nakagawa*

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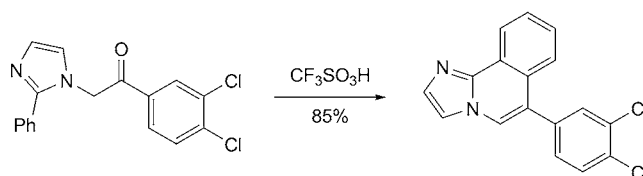


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Superacid-Promoted Cyclodehydration Leading to the Imidazo[2,1-*a*]isoquinoline Ring System

*A. Kethe*, *R. R. Naredla*, *D. A. Klumpp\**

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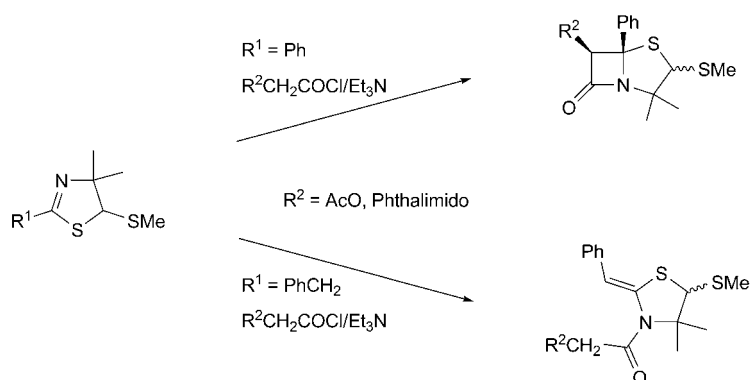


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Reactions of Acid Chlorides/Ketenes with 2-Substituted 4,5-Dihydro-4,4-dimethyl-1,3-thiazoles: Formation of Penam Derivatives

*J. Shi*, *A. Linden*, *H. Heimgartner\**

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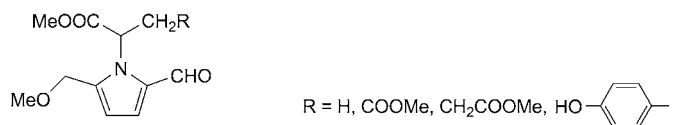


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New Pyrrole Alkaloids with Bulky *N*-Alkyl Side Chains Containing Stereogenic Centers from *Lycium chinense*

U. J. Youn, Y.-S. Kil, J.-W. Nam, Y. J. Lee, J. Kim, D. Lee, J.-H. Lee, E.-K. Seo\*

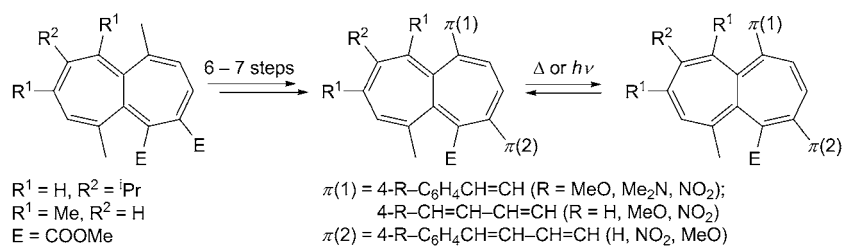
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Synthesis and Characterization of New Heptalenes with Extended  $\pi$ -Systems Attached to Them

S. Maillefer-El Houar, P. Uebelhart, A. Linden, H.-J. Hansen\*

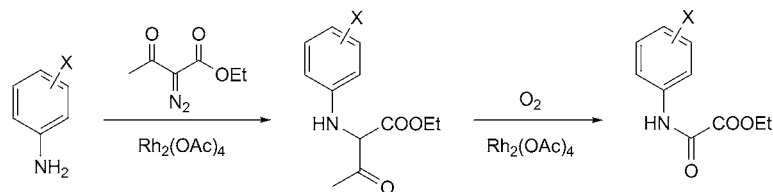
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A Transformation of *N*-Alkylated Anilines to *N*-Aryloxamates

X.-H. Zhu, X. Zhang, H.-X. Xin, H. Yan\*

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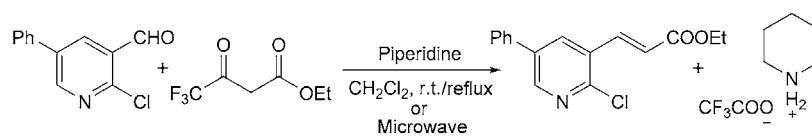


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Microwave-Assisted Convenient Synthesis of  $\alpha,\beta$ -Unsaturated Esters and Ketones via Aldol-Adduct Elimination

P. Suman, R. N. Rao, B. C. Raju\*

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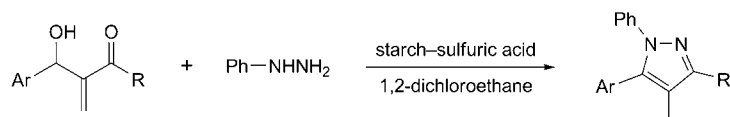


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Starch–Sulfuric Acid (SSA) as Catalyst for a One-Pot Synthesis of 1,5-Diaryl-1*H*-pyrazoles

*F. Hatamjafari*

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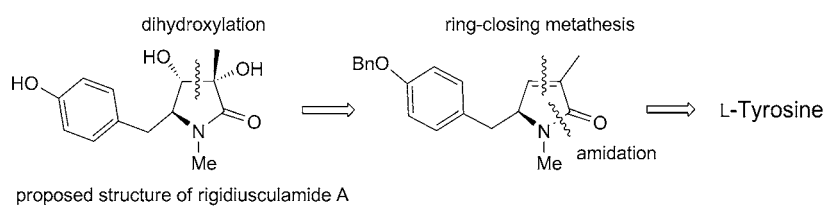


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Total Synthesis of a Pyrrolidin-2-one with the Structure Proposed for the Alkaloid Rigidiusculamide A

*P. Radha Krishna\*, B. K. Reddy*

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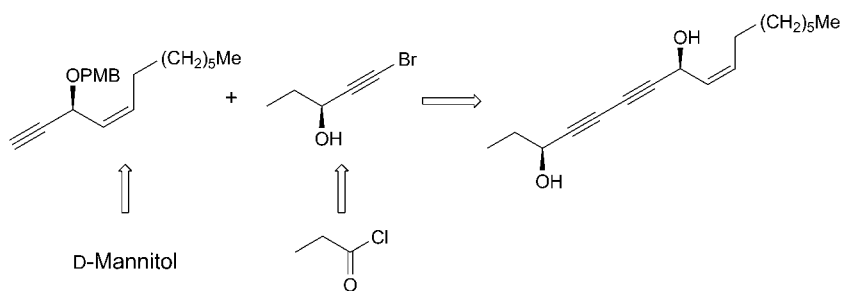


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First Stereoselective Total Synthesis of Opopandiol

*N. K. Bejjanki, A. Venkatesham, K. Balraju, K. Nagaiah\**

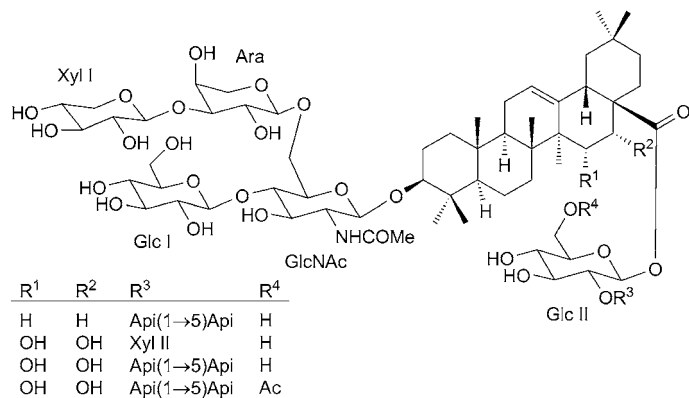
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Triterpene Saponins from *Entada phaseoloides*

H. Xiong, Z. Mei, G. Yang, S. Mo, X. Yang, P. Zhang, J. Wu\*

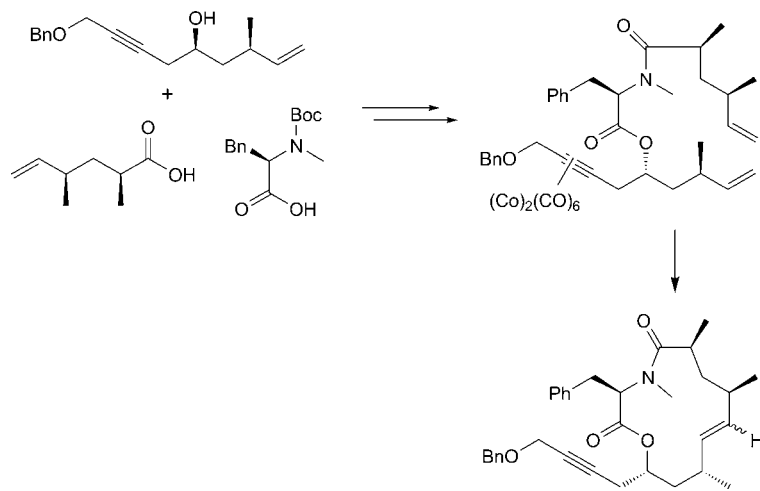
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Synthetic Studies Toward (+)-Spongidepsin

G. V. Reddy, R. S. Chandra Kumar, G. Shankaraiah, K. S. Babu\*, J. M. Rao\*

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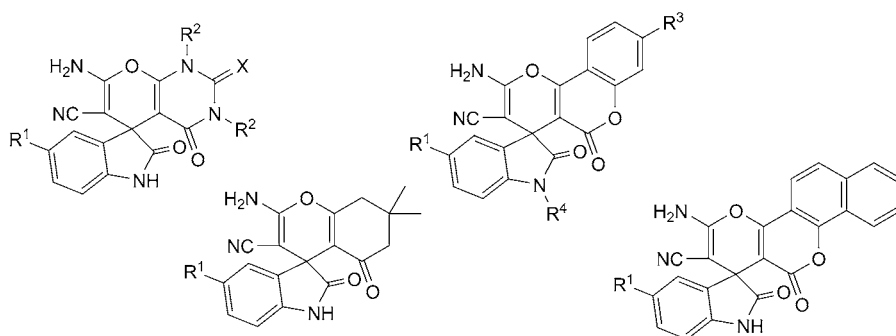


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Synthesis of Monospiro-2-amino-4*H*-pyran Derivatives Catalyzed by Propane-1-sulfonic Acid-Modified Magnetic Hydroxyapatite Nanoparticles

L. Jalili-Baleh, N. Mohammadi, M. Khoobi, L. Ma'mani, A. Foroumadi, A. Shafiee\*

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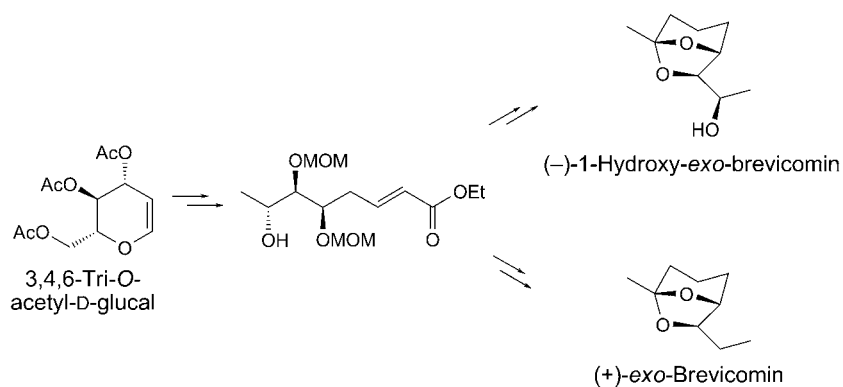


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Stereoselective Synthesis of (–)-(1*R*,1'*R*,5'*R*,7'*R*)-1-Hydroxy-*exo*-brevicommin and (+)-*exo*-Brevicommin from 3,4,6-Tri-*O*-acetyl-D-glucal

G. Sabitha\*, A. M. Reddy, S. S. S. Reddy, J. S. Yadav

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