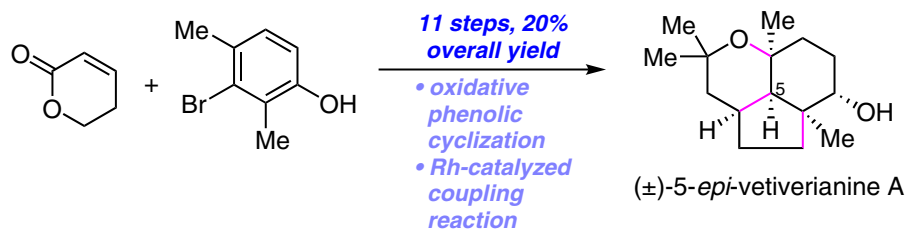


# Synthesis

Reviews and Full Papers in Chemical Synthesis

February 15, 2023 • Vol. 55, 519–706



Synthesis of (±)-5-epi-Vetiverianine A via an Oxidative Cyclization Approach

*E. Nagata, H. Sakate, T. Okada, S. Adachi, S. Kamo, A. Matsuzawa, K. Sugita*

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## Synthesis

## Recent Developments in Isoindole Chemistry

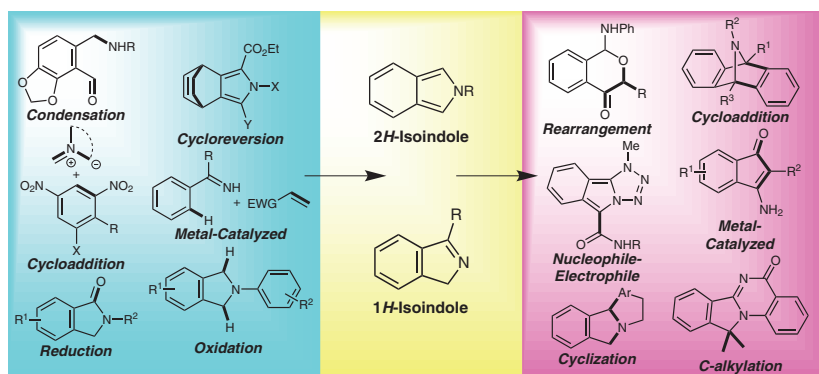
## Review

*Synthesis* **2023**, 55, 519–546  
DOI: 10.1055/s-0042-1751384

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519



## Synthesis

## Acceptorless Dehydrogenation of Aliphatics, Amines, and Alcohols with Homogeneous Catalytic Systems

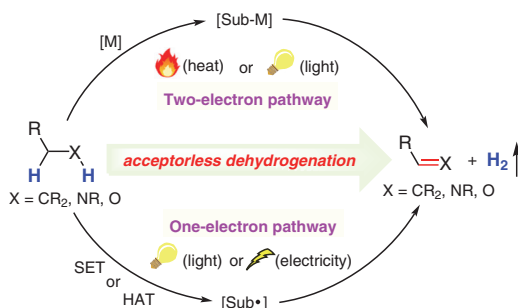
## Short Review

*Synthesis* **2023**, 55, 547–564  
DOI: 10.1055/s-0042-1753053

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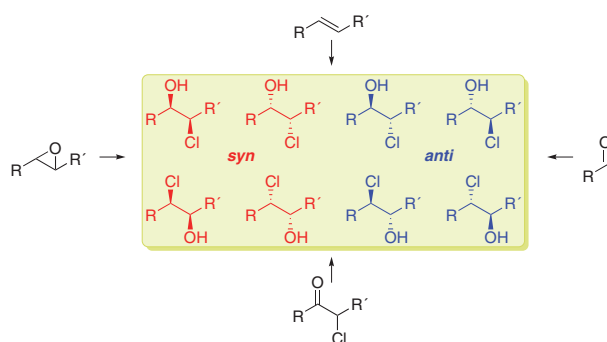
547



Synthesis 2023, 55, 565–579  
DOI: 10.1055/s-0042-1751379

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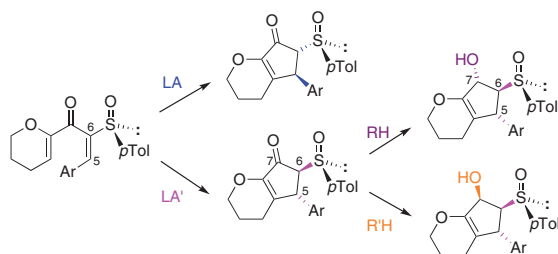
Synthesis 2023, 55, 580–597  
DOI: 10.1055/a-1983-2140

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Synthesis 2023, 55, 598–608  
DOI: 10.1055/a-1950-5110

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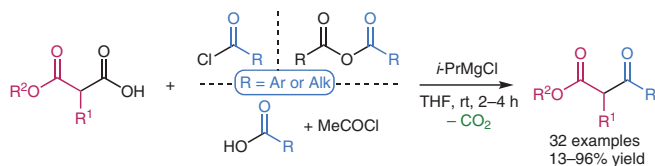
P. Tran

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## Synthesis

Synthesis 2023, 55, 609–616  
DOI: 10.1055/s-0042-1752356

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## I<sub>2</sub>/CH<sub>3</sub>ONa-Promoted Ring-Opening Alkylation of Benzothiazoles with Dialkyl Carbonates

Paper

609



- Green, safe and cheap alkylating reagent
- Broad substrate scope
- Gram-scale synthesis
- Diversified transformations of products

## Synthesis

Synthesis 2023, 55, 617–636  
DOI: 10.1055/a-1941-8680

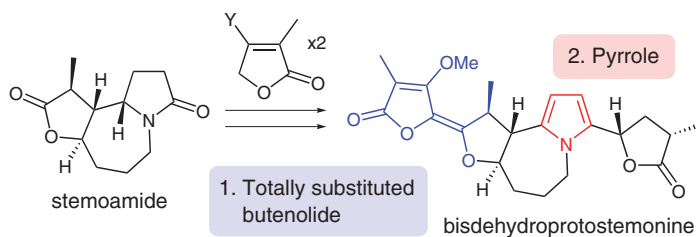
Y. Soda, Y. Sugiyama,  
S. Sato, K. Shibuya,  
J. Saegusa, T. Matagawa,  
S. Kawano, M. Yoritate,  
K. Fukaya, D. Urabe,  
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## Total Synthesis and Anti-inflammatory Activity of Stemoamide-Type Alkaloids Including Totally Substituted Butenolides and Pyrroles

Paper

617



SAR study of the anti-inflammatory activities

## Synthesis

Synthesis 2023, 55, 637–646  
DOI: 10.1055/a-1932-6146

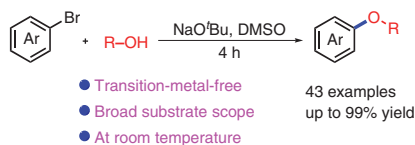
D.-L. Zhu  
J. Li  
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P. R. of China  
Soochow University,  
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Charles Darwin University,  
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## Room-Temperature, Transition-Metal-Free Arylation of Alcohols with Aryl Bromides

Paper

637



Synthesis

Recyclable Palladium-Catalyzed Carbonylative Cyclization of Aryl Iodides and 2-Hydroxyacetophenones towards Flavones

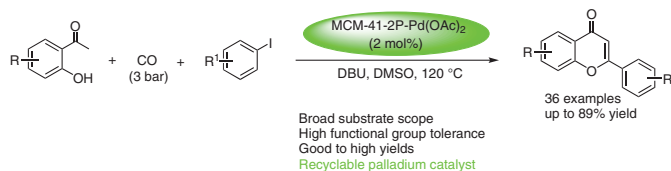
Paper

647

Synthesis 2023, 55, 647–656  
DOI: 10.1055/s-0042-1753042

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J. Zhan  
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Synthesis

Convenient Synthesis of Ellagic Acid from Methyl Gallate and SARS-CoV-2 3CLpro Antiviral Activity

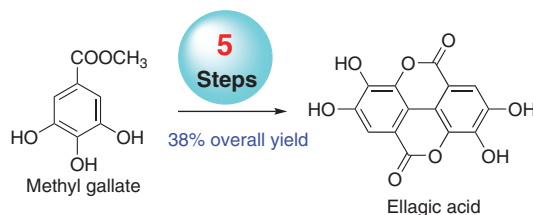
Paper

657

Synthesis 2023, 55, 657–662  
DOI: 10.1055/a-1941-1437

F. Navarro  
S. Hamri  
R. Reches  
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Synthesis

Synthesis of (±)-5-*epi*-Vetiverianine A via an Oxidative Cyclization Approach

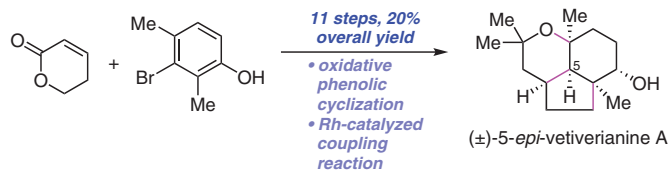
Paper

663

Synthesis 2023, 55, 663–669  
DOI: 10.1055/a-1947-6049

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## Synthesis

Synthesis 2023, 55, 670–682  
DOI: 10.1055/a-1953-1656

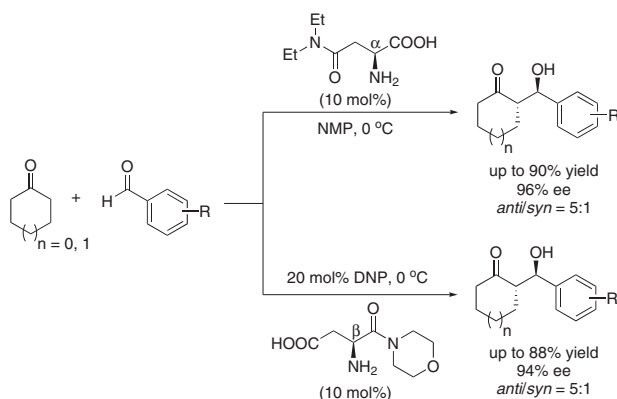
G.-F. Wen  
R. Zhang  
C.-Y. Zhang  
C.-S. Da\*

Lanzhou University,  
P. R. of China

### Both Amide-Bearing $\alpha$ - and $\beta$ -Amino Acids from Natural Aspartic Acid Are Efficient Organocatalysts for Enantioselective Aldol Reactions

Paper

670



## Synthesis

Synthesis 2023, 55, 683–691  
DOI: 10.1055/a-1933-3655

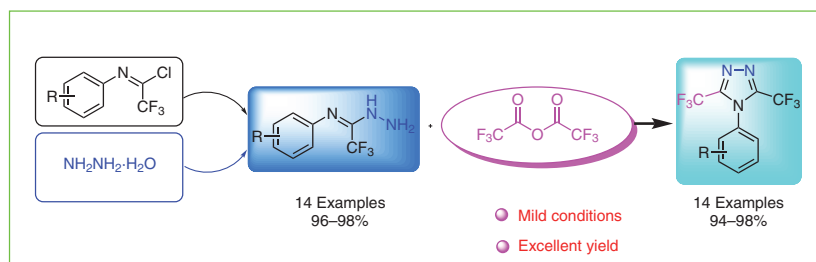
N. Zeinali  
A. Darehkordi

Vali-e-Asr University of Rafsan-  
jan, Iran

### Trifluoromethylated Amidrazone Derivatives as Key Compounds for the Synthesis of 4-Aryl-3,5-bis(trifluoromethyl)-4H-1,2,4-triazoles

Paper

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## Synthesis

Synthesis 2023, 55, 692–706  
DOI: 10.1055/s-0042-1751371

H. S. Steingruber  
P. Mendioroz  
M. J. Castro  
M. A. Volpe  
D. C. Gerbino\*

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Argentina

### A Novel Palladium-Based Heterogeneous Catalyst for Tandem Annulation: A Strategy for Direct Synthesis of Acridones

Paper

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