

# Synthesis

Reviews and Full Papers in Chemical Synthesis

November 17, 2021 • Vol. 53, 4131–4312

## Special Issue

dedicated to Prof. Sarah Reisman, recipient of the  
*2019 Dr. Margaret Faul Women in Chemistry Award*

*Guest Editors: M. M. Faul, A. Fürstner*



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## Synthesis

*Synthesis* 2021, 53, 4131–4133  
DOI: 10.1055/s-0040-1720011

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## SYNTHESIS Special Issue in Honor of Professor Sarah Reisman

## Editorial

4131



## Synthesis

*Synthesis* 2021, 53, 4134–4177  
DOI: 10.1055/s-0040-1706023

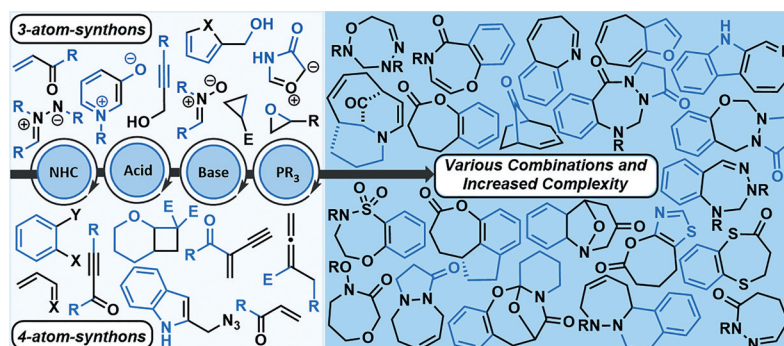
**H. Lam\***  
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University of Toronto, Canada

## Recent Advances in Transition-Metal-Free (4+3)-Annulations

## Special Topic

4134



## Synthesis

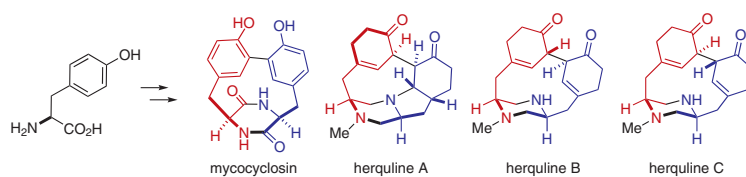
## Total Synthesis of Mycocoslin and the Herquelines

## Special Topic

4178

*Synthesis* 2021, 53, 4178–4186  
DOI: 10.1055/a-1403-4312

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## Synthesis

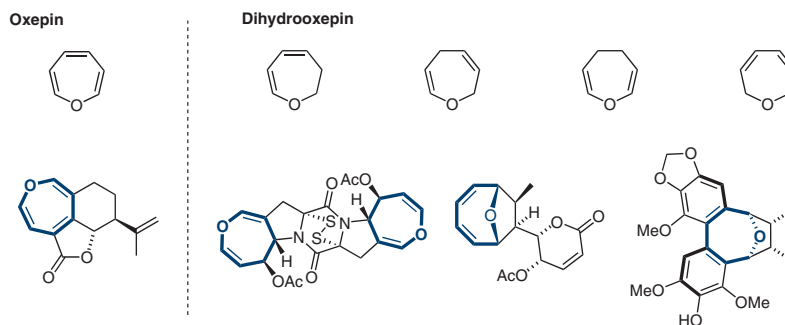
## Total Synthesis of Oxepin and Dihydrooxepin Containing Natural Products

## Special Topic

4187

*Synthesis* 2021, 53, 4187–4202  
DOI: 10.1055/s-0037-1610776

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## Synthesis

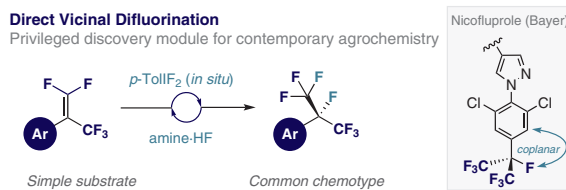
## An I(I)/I(III) Catalysis Route to the Heptafluoroisopropyl Group: A Privileged Module in Contemporary Agrochemistry

## Special Topic

4203

*Synthesis* 2021, 53, 4203–4212  
DOI: 10.1055/a-1485-4916

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## Synthesis

Synthesis 2021, 53, 4213–4220  
DOI: 10.1055/s-0037-1610779

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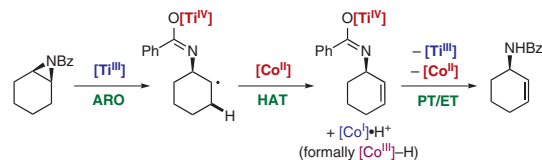
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Titanium and Cobalt Bimetallic Radical Redox Relay for the Isomerization of *N*-Bz Aziridines to Allylic Amides

## Special Topic

4213

Bimetallic Radical Redox-Relay Catalysis:



## Synthesis

Synthesis 2021, 53, 4221–4230  
DOI: 10.1055/s-1638-5783

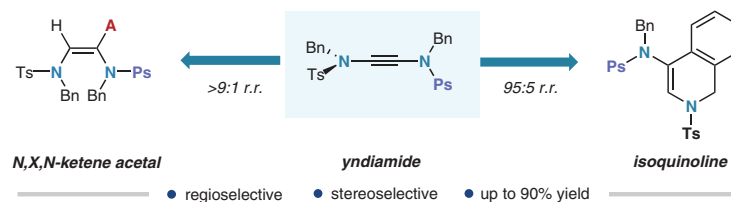
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Regio- and Stereoselective Addition of Brønsted Acids to Yndiamides: Synthesis of *N,O,N*- and *N,S,N*-Trisubstituted Ketene Acetals

## Special Topic

4221



## Synthesis

Synthesis 2021, 53, 4231–4238  
DOI: 10.1055/s-0040-1706046

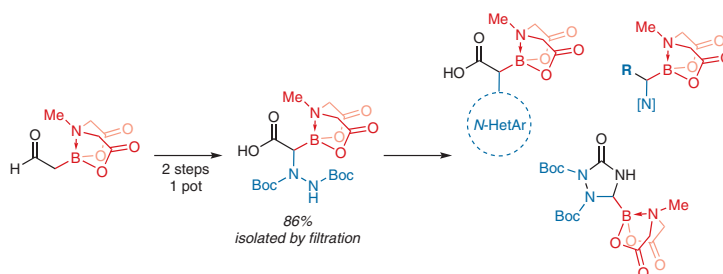
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## Synthesis of Borylated Hydrazino Acid Derivatives

## Special Topic

4231



## Synthesis

Synthesis 2021, 53, 4239–4245  
DOI: 10.1055/s-0040-1706264

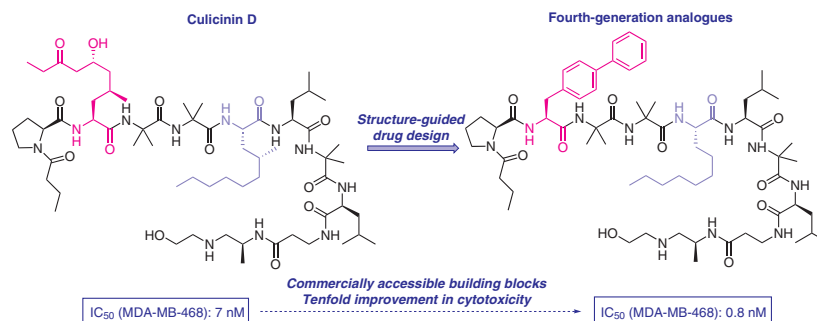
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### Fourth-Generation Analogues of the Anticancer Peptaibol Culicinin D: Probing the Effects of Hydrophobicity and Halogenation on Cytotoxicity

## Special Topic

4239



## Synthesis

Synthesis 2021, 53, 4246–4262  
DOI: 10.1055/a-1464-2576

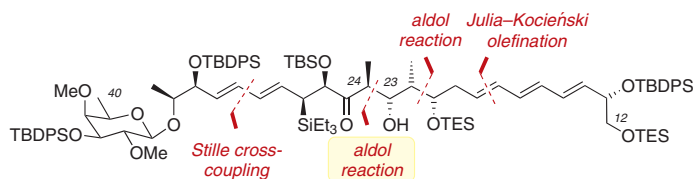
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### Studies towards the Synthesis of (–)-Pulvomycin: Construction of the C12–C40 Segment by a Stereoselective Aldol Reaction

## Special Topic

4246



## Synthesis

Synthesis 2021, 53, 4263–4271  
DOI: 10.1055/a-1509-5904

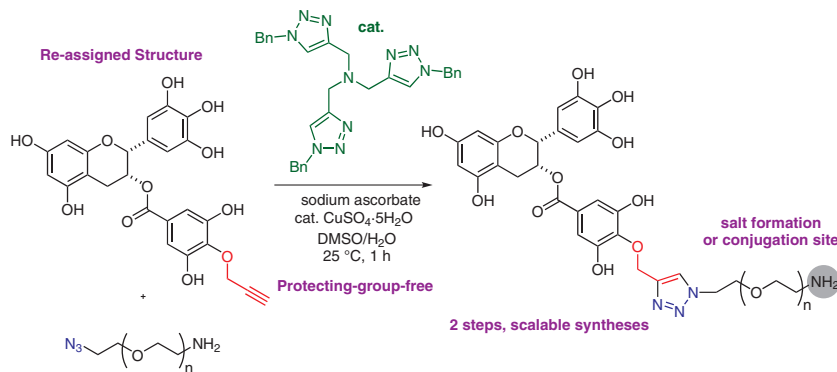
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### Catalytic Synthesis of PEGylated EGCG Conjugates that Disaggregate Alzheimer's Tau

## Special Topic

4263



## Synthesis

Synthesis 2021, 53, 4272–4278  
DOI: 10.1055/a-1538-8429

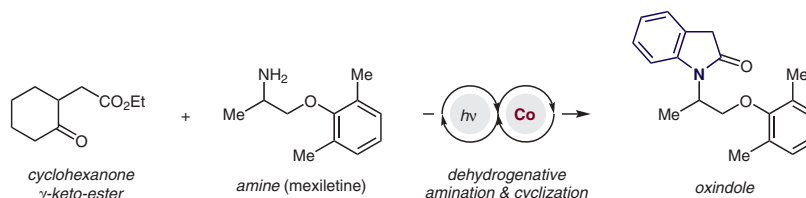
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## A de novo Synthesis of Oxindoles from Cyclohexanone-Derived $\gamma$ -Keto-Ester Acceptors Using a Desaturative Amination–Cyclization Approach

## Special Topic

4272



oxindole assembly via dehydrogenative amination–cyclization

## Synthesis

Synthesis 2021, 53, 4279–4289  
DOI: 10.1055/a-1645-2632

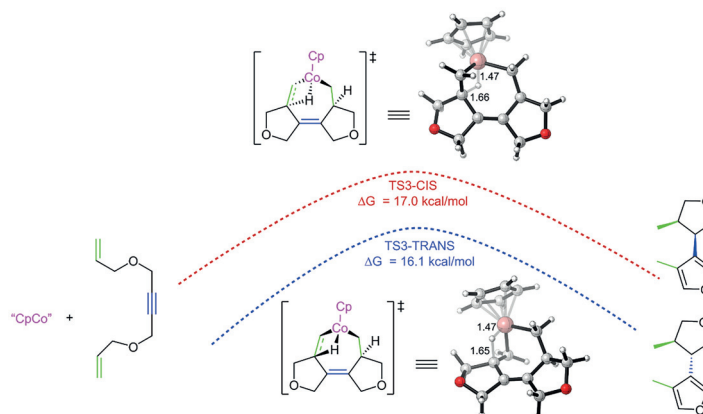
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## The Trajectory of the ( $\eta^5$ -Cyclopentadienyl)cobalt-Mediated Cycloisomerization of Ene-Yne-Ene-Type Allyl Propargylic Ethers to Furans: A DFT Appraisal

## Special Topic

4279



## Synthesis

Synthesis 2021, 53, 4290–4296  
DOI: 10.1055/s-0040-1719842

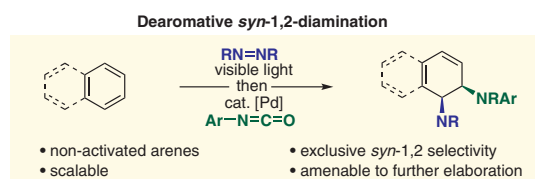
C. W. Davis  
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## Dearomative *syn*-1,2-Diamination of Benzene and Naphthalene

## Special Topic

4290



## Synthesis

Synthesis 2021, 53, 4297–4307  
DOI: 10.1055/s-0037-1610774

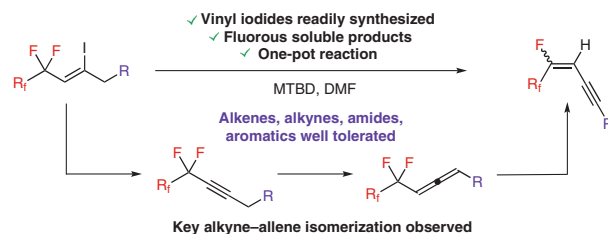
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## Simple Synthesis of Fluorinated Ene-Ynes via In Situ Generation of Allenes

## Special Topic

4297



## Synthesis

Synthesis 2021, 53, 4308–4312  
DOI: 10.1055/s-0040-1706039

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Validation of Arylphosphorothiolates as Convergent Substrates for Ar-SF<sub>4</sub>Cl and Ar-SF<sub>5</sub> Synthesis

## Special Topic

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