Synlett

Accounts and
Rapid Communications
in Chemical Synthesis

2019
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November

Synlett

Synlett **2019**, *30*, 2015–2021
DOI: 10.1055/s-0039-1690498

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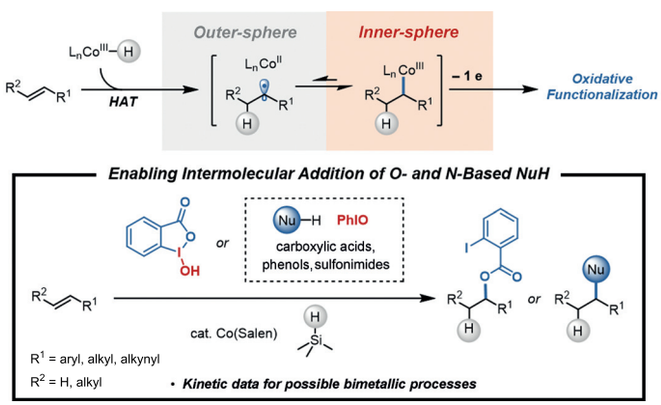
Emerging Catalyst Control in Cobalt-Catalyzed Oxidative Hydrofunctionalization Reactions

Synpacts
2015



Synlett

Synlett **2019**, *30*, 2022–2026
DOI: 10.1055/s-0037-1611911

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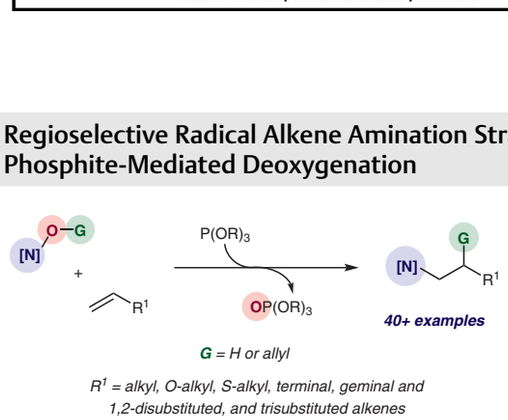
Regioselective Radical Alkene Amination Strategies by Using Phosphite-Mediated Deoxygenation

Synpacts
2022



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Ruthenium-Catalyzed Direct Cross-Coupling of Secondary Alcohols to β-Disubstituted Ketones

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2027

Synlett **2019**, *30*, 2027–2034
DOI: 10.1055/s-0037-1611912

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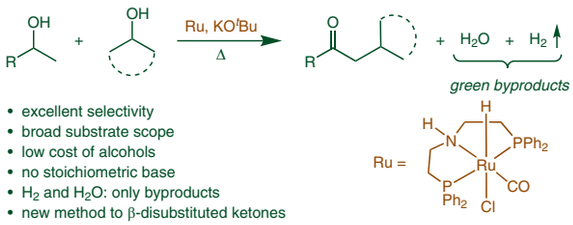

- excellent selectivity
- broad substrate scope
- low cost of alcohols
- no stoichiometric base
- H_2 and H_2O: only byproducts
- new method to β-disubstituted ketones

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Recent Progress in the Copper-Catalyzed Cascade Cyclization Involving Intramolecular Hydroamination of Terminal Alkynes

Account

2035

Synlett **2019**, *30*, 2035–2040
DOI: 10.1055/s-0037-1611903

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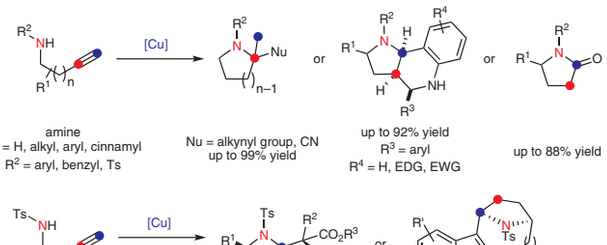

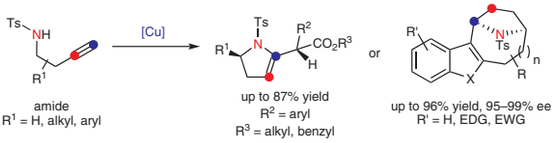

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Recent Advances in the Synthesis of Thiadiazoles

Account

2041

Synlett **2019**, *30*, 2041–2050
DOI: 10.1055/s-0037-1611905

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Functional End Groups in Living Ring-Opening Metathesis Polymerization

Account

2051

Synlett **2019**, *30*, 2051–2057
DOI: 10.1055/s-0039-1690154

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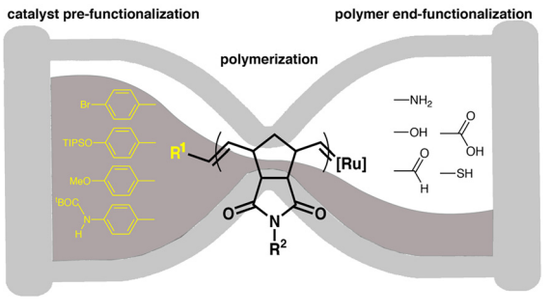

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Simple Apparatus for Adding Small Amounts of Powder Materials under an Inert Atmosphere

New Tools

2058

Synlett **2019**, *30*, 2058–2061
DOI: 10.1055/s-0039-1690689

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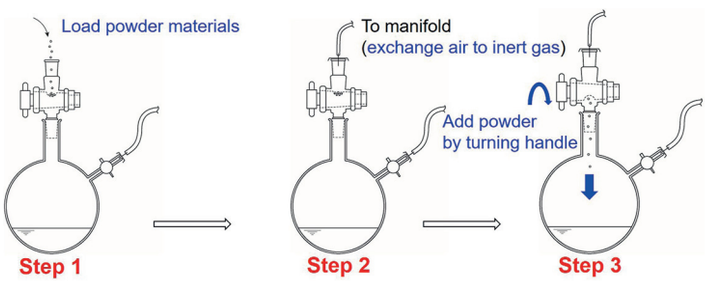

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Selective and Scalable Dehydrogenative Electrochemical Synthesis of 3,3′,5,5′-Tetramethyl-2,2′-biphenol

Letter

2062

Synlett **2019**, *30*, 2062–2067
DOI: 10.1055/s-0039-1690706

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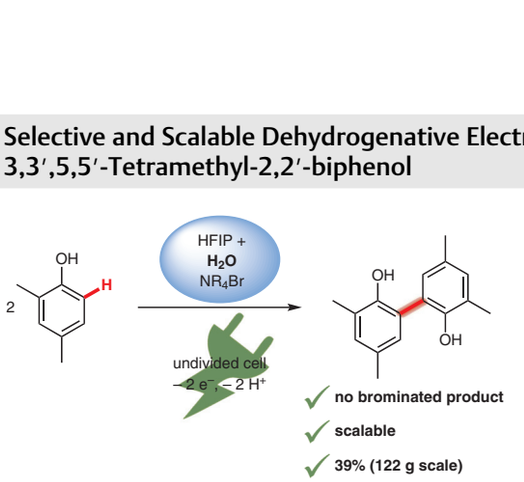

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[2+2] Photocycloaddition of 3-Alkoxycoumarins with C_{60}

Letter

2068

Synlett **2019**, *30*, 2068–2072
DOI: 10.1055/s-0039-1690698

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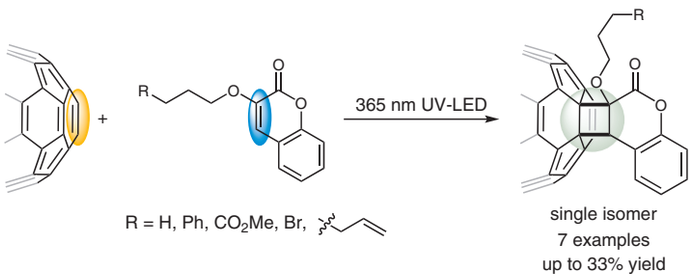

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Diene Synthesis by the Reductive Transposition of 1,2-Allenols

Letter

2073

Synlett **2019**, *30*, 2073–2076
DOI: 10.1055/s-0039-1690692

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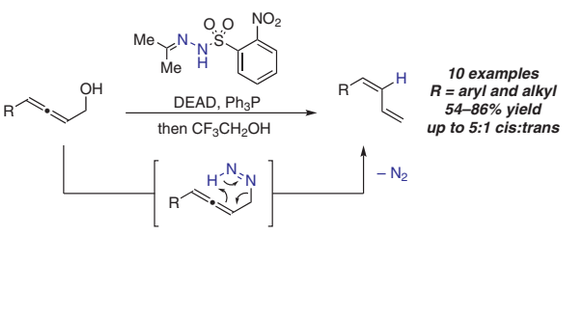

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Diethyl Phosphite Promoted Electrochemical Oxidation of Tetrahydroisoquinolines to 3,4-Dihydroisoquinolin-1(2*H*)-ones

Letter

2077

Synlett **2019**, *30*, 2077–2080
DOI: 10.1055/s-0039-1690704

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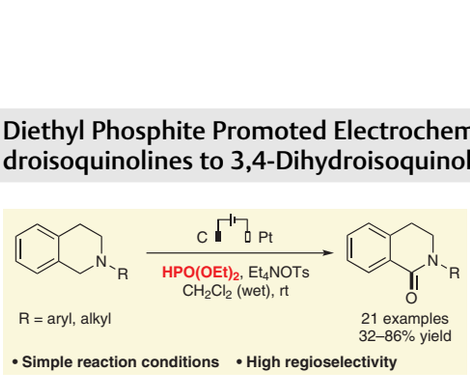

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Synlett **2019**, *30*, 2081–2085
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A General Synthesis of Benzoazepinoindoles – A New Class of Heterocycles

Letter

2081

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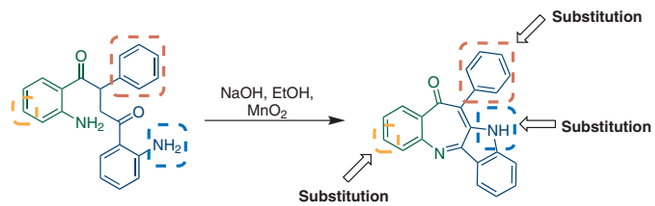
The University of New South Wales, Australia



- New class of heterocycles
- Highly functionalisable structures
- Efficient two-step synthesis
- Inexpensive

43–68% Yield
16 Novel derivatives

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Synlett **2019**, *30*, 2086–2090
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Hydrogen-Bond-Promoted Metal-Free Hydroamination of Alkynes

Letter

2086

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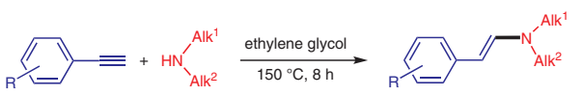

- ☑ No metal catalyst
- ☑ Stereo- and regioselective
- ☑ 30 examples
- ☑ Yields of up to 96%

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Synlett **2019**, *30*, 2091–2095
DOI: 10.1055/s-0039-1690696

Preparation of Bicyclic Ketal Skeletons with Aldehyde and α-Ketone Acid through Cascade Friedel–Crafts Reaction and Stereoselective Acetalization in One Pot

Letter

2091

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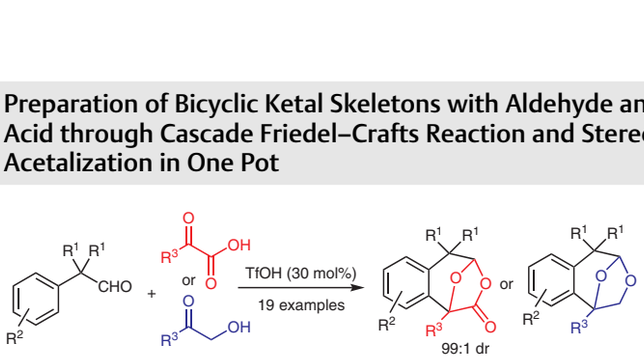

- Stereoselective acetalization
- Broad substrate scope
- One-pot tandem reaction
- Polysubstituted bicyclic acetals

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Synlett **2019**, *30*, 2096–2100
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Silver-Promoted Versatile Cross-Dehydrogenative Coupling of Quinaldine with Usual Ethers

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Shandong Provincial Key Laboratory of Fluorine Chemistry and Chemical Materials, P. R. of China

39 examples
13–94% yields
R^1 = F, Cl, Br, I, Me, etc
n = 1, 2