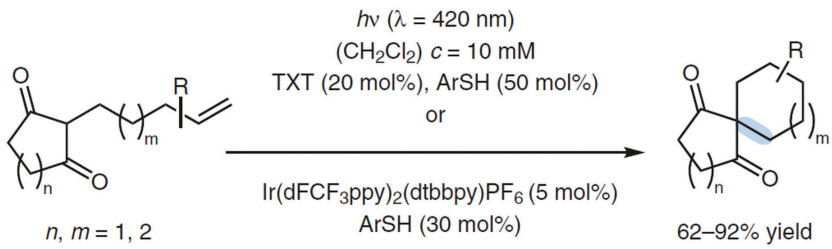
Synlett

Accounts and Rapid Communications in Chemical Synthesis

June 1, 2023 • Vol. 34, 975–1074



Photocatalytic Spirocyclization of 2-Alk-ω-enyl-Substituted Cycloalkane-1,3-diones

J. Hofer, F. Pecho, T. Bach

9

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Shining a Light on Dissipative Supramolecular Assemblies

Synpacts

975

Synlett **2023**, *34*, 975–982
DOI: 10.1055/a-2007-2526

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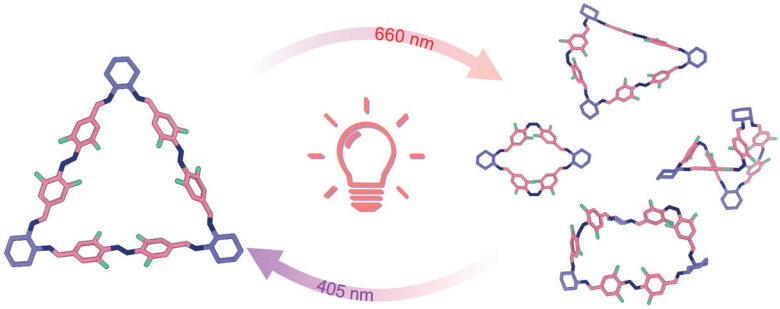

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Copper(I)-Mediated Decarboxylative *N*-Arylation of Dioxazolones: Synthesis of *N*-Aryl Amides

Synpacts

983

Synlett **2023**, *34*, 983–989
DOI: 10.1055/s-0041-1738431

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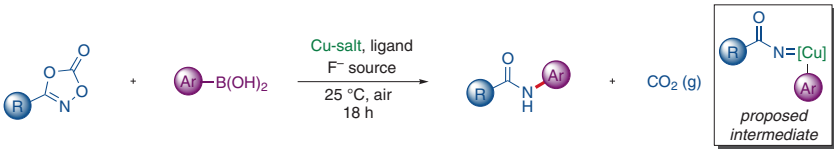

- *dioxazolones as safe and easy-to-handle amide precursors*
- *mild reaction conditions and simple operation*
- *nontoxic byproduct waste (CO_2)*
- *broad functional group tolerance*

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Synlett
Synlett **2023**, *34*, 990–1000
DOI: 10.1055/a-1983-2038

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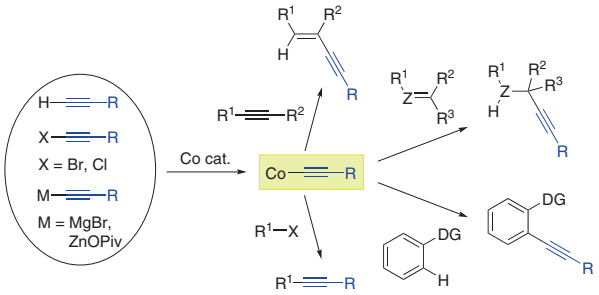
Cobalt-Catalyzed Alkynylation of Organic Compounds: Hydroalkynylation, Dehydrogenative Alkynylation, and Reductive Alkynylation

Account

990



Synlett
Synlett **2023**, *34*, 1001–1011
DOI: 10.1055/a-1998-7007

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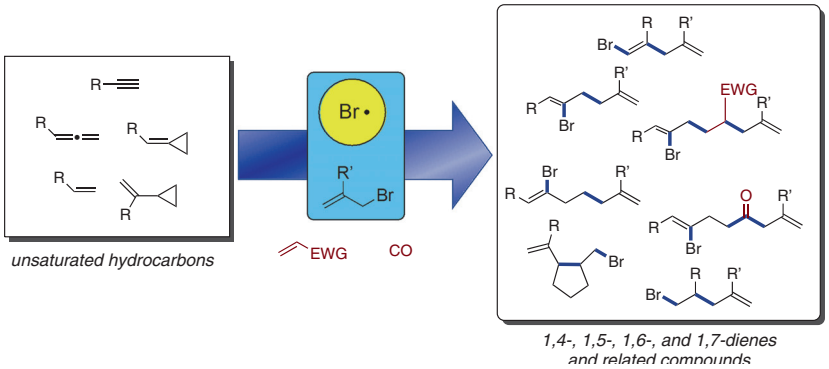
Bromine-Radical-Mediated Bromoallylation of C–C Unsaturated Bonds: A Facile Access to 1,4-, 1,5-, 1,6-, and 1,7-Dienes and Related Compounds

Account

1001



Synlett
Synlett **2023**, *34*, 1012–1018
DOI: 10.1055/a-1937-9113

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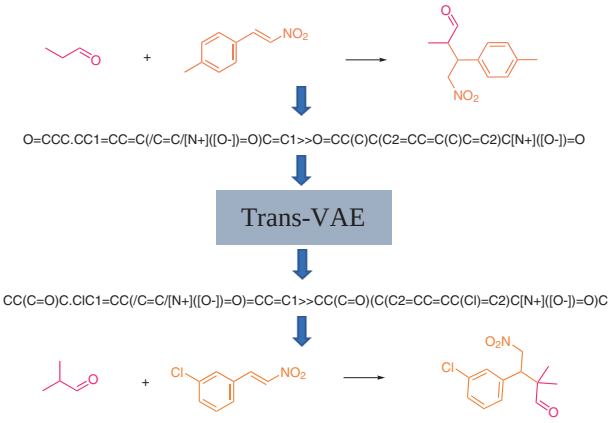
A Novel Application of a Generation Model in Foreseeing 'Future' Reactions

Cluster

1012



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[3,3]-Rearrangements of *N*-Oxyindoles

Letter

Synlett **2023**, *34*, 1019–1022
DOI: 10.1055/a-2024-4595

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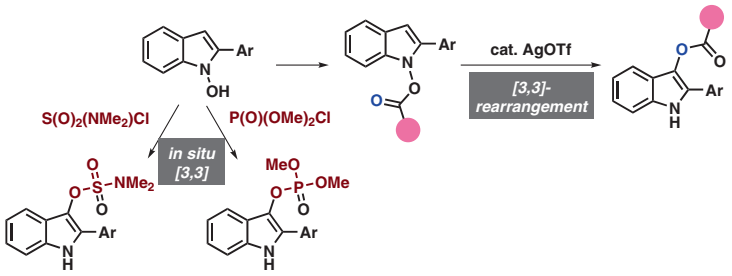
1019



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Divergent Functionalization of Alkynes Enabled by Organic Photoredox Catalysis

Letter

Synlett **2023**, *34*, 1023–1028
DOI: 10.1055/a-2009-8279

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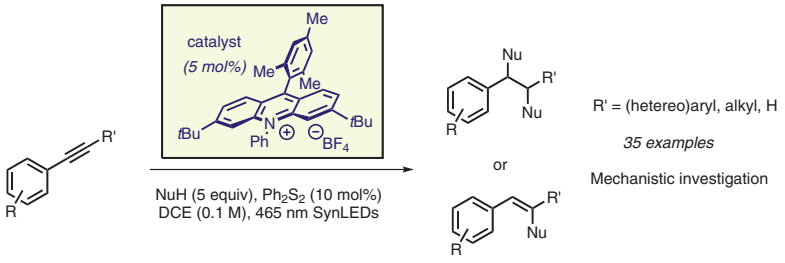
1023



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Enantioselective Formal Total Synthesis of Damsin

Letter

Synlett **2023**, *34*, 1029–1032
DOI: 10.1055/a-2017-3636

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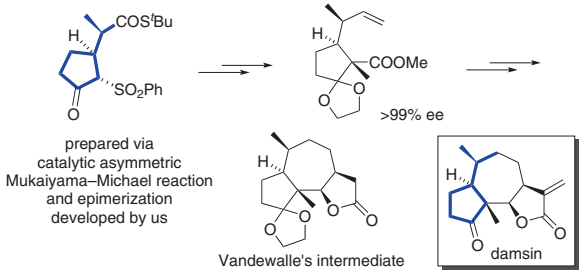
1029



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Synlett
Synlett **2023**, *34*, 1033–1036
DOI: 10.1055/a-2017-4232

One-Pot Carbon-Chain Extension for Nervonic/Carboxylic Acid Synthesis with the Assistance of Microwaves and Lithium Chloride

Letter

1033

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X. Huo
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G. Zhao*
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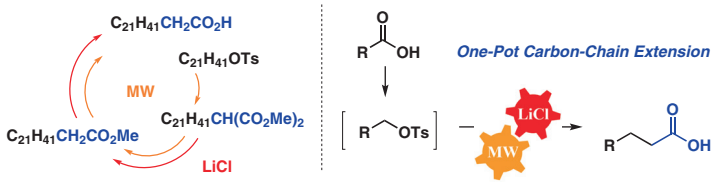

Synlett
Synlett **2023**, *34*, 1037–1041
DOI: 10.1055/a-2004-1529

Facile Preparation of Highly Enantioenriched 1,4-Benzothiazin-3-ones by the Substitution of α-Bromoacetate with 2-Aminothiophenol

Letter

1037

J. S. Lee
S. J. Lee
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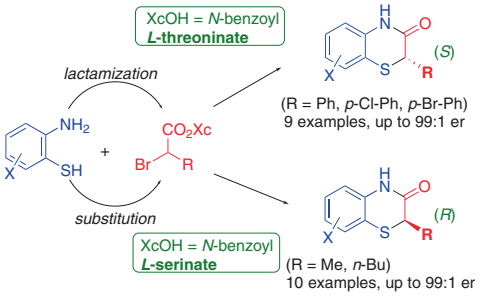

Synlett
Synlett **2023**, *34*, 1042–1048
DOI: 10.1055/a-2005-5372

Addition of Alcohols onto Electron-Deficient Heteroarenium Salts: A Reversible Covalent Bonding Process under Basic Conditions

Letter

1042

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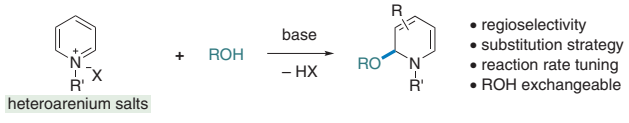

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Synlett **2023**, *34*, 1049–1057
DOI: 10.1055/s-0042-1751404

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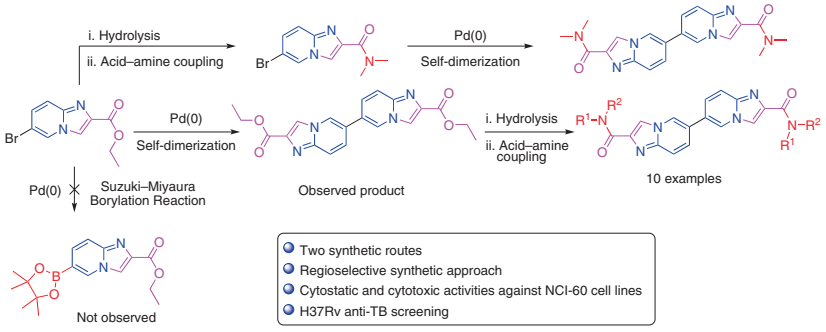
Regioselective Pd-Catalyzed Suzuki–Miyaura Borylation Reaction for the Dimerization Product of 6-Bromoimidazo[1,2-*a*]pyridine-2-carboxylate: Mechanistic Pathway, Cytotoxic and Tubercular Studies

Letter

1049



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Synlett **2023**, *34*, 1058–1062
DOI: 10.1055/a-1990-3283

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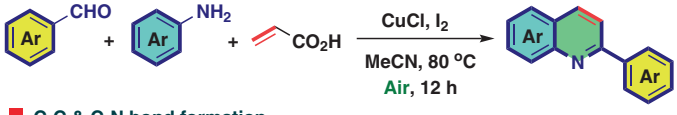
Copper-Catalyzed Decarboxylative Cascade Cyclization for the Synthesis of 2-Arylquinolines

Letter

1058



- C-C & C-N bond formation
- Easily accessible reagents
- Decarboxylative cyclization
- Broad range of substrates

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Synlett **2023**, *34*, 1063–1067
DOI: 10.1055/a-2004-3771

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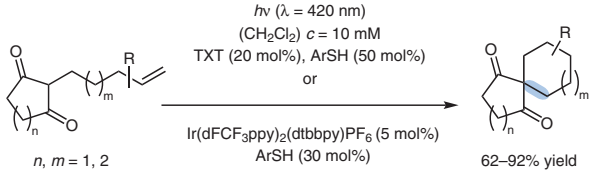
Photocatalytic Spirocyclization of 2-Alk-ω-enyl-Substituted Cycloalkane-1,3-diones

Letter

1063



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Synlett **2023**, *34*, 1068–1074
DOI: 10.1055/a-2002-4122

Gold-Catalyzed Formal (3+2) Cycloaddition in an Ionic Liquid: Environmentally Friendly and Stereoselective Synthesis of Polysubstituted Indanes from Benzylic Alcohols and 1-Phenylpropenes

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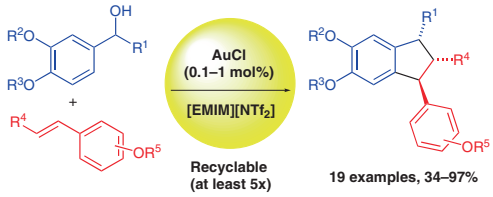
O. Tamura*
Showa Pharmaceutical University, Japan



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