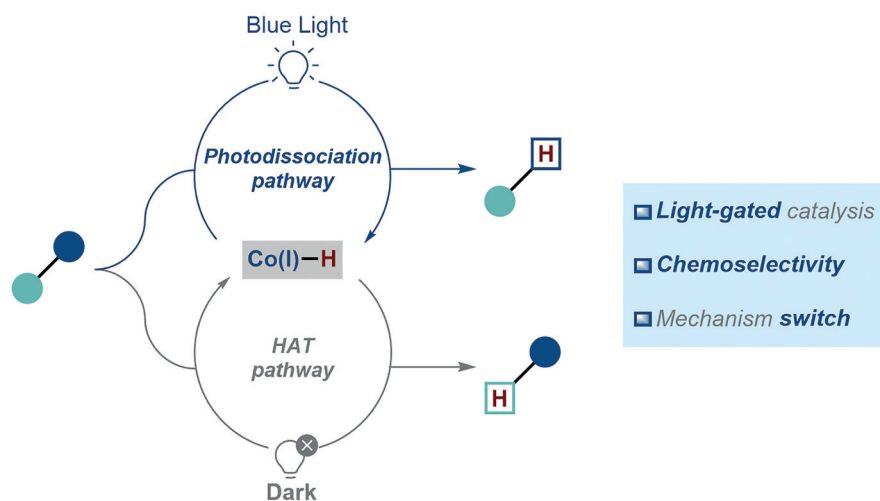


# Synthesis

Reviews and Full Papers in Chemical Synthesis

May 15, 2024 • Vol. 56, 1505–1656



Discovery of Divergent, Light-Controlled Catalysis Triggered by Ligand Photodissociation from Cobalt Complexes

N. Vystavkin, M. Barday, C. J. Teskey

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## Synthesis

*Synthesis* 2024, 56, 1505–1540  
DOI: 10.1055/a-2262-9575

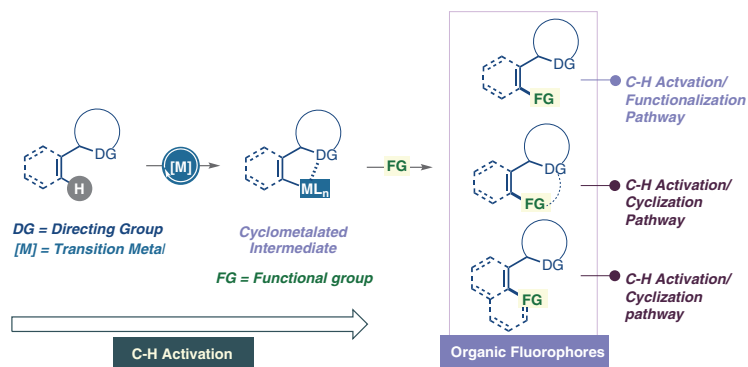
T. Chand  
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## Transition-Metal-Catalyzed C–H Activation Reactions for the Creation and Modification of Organic Fluorophores

Review

1505



## Synthesis

*Synthesis* 2024, 56, 1541–1548  
DOI: 10.1055/a-2183-4332

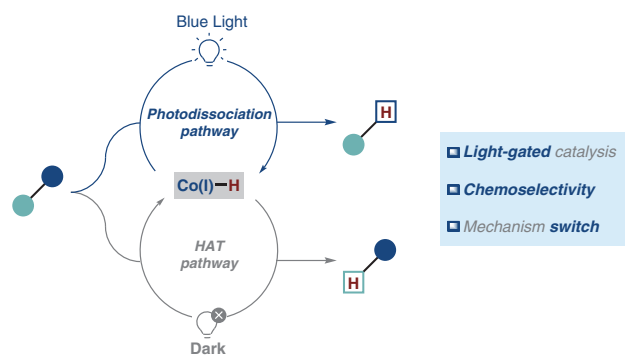
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## Discovery of Divergent, Light-Controlled Catalysis Triggered by Ligand Photodissociation from Cobalt Complexes

Short Review

1541



## Synthesis

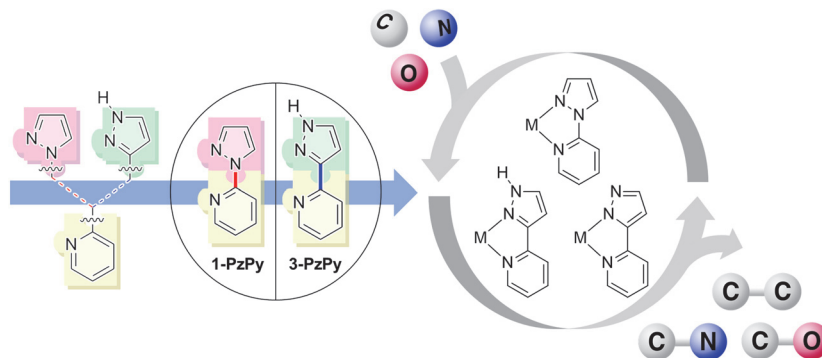
Synthesis 2024, 56, 1549–1562  
DOI: 10.1055/s-0043-1763620

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## Pyrazolopyridine Ligands in Transition-Metal-Catalyzed C–C and C–Heteroatom Bond-Forming Reactions

Short Review

1549



## Synthesis

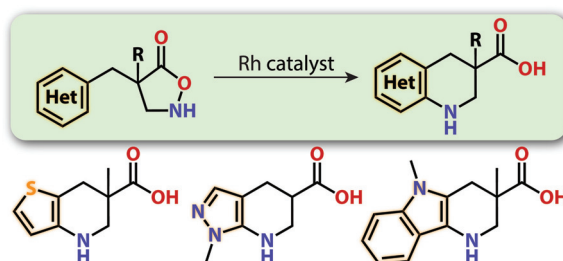
Synthesis 2024, 56, 1563–1575  
DOI: 10.1055/a-2282-7450

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## Synthesis of Heteroaromatic-Fused Cyclic $\beta$ -Amino Acids by Rhodium-Catalyzed Electrophilic Amination

Paper

1563



## Synthesis

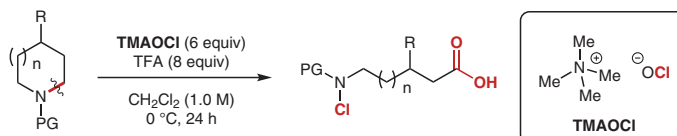
Synthesis 2024, 56, 1576–1584  
DOI: 10.1055/a-2062-8680

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H. Toguchi  
N. Hanazawa  
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## Oxidative C–N Bond Cleavage of Cyclic Amines with Ammonium Hypochlorite

Paper

1576



• metal-free oxidation • high selectivity • high yield • gram-scale

## Synthesis

*Synthesis* **2024**, *56*, 1585–1592  
DOI: 10.1055/s-0042-1751529

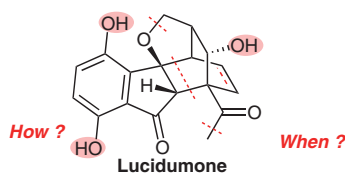
G. Huang  
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L. Pagès  
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## Total Synthesis of Lucidumone: Attempted Shortcuts, Dead Ends and Lessons Learnt

Paper

1585



## Synthesis

*Synthesis* **2024**, *56*, 1593–1600  
DOI: 10.1055/a-2242-6435

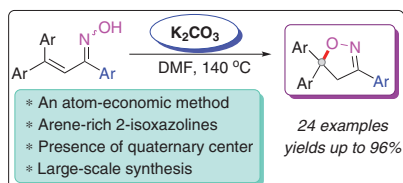
R. S. Jat  
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K<sub>2</sub>CO<sub>3</sub>-Mediated Intramolecular Oxa-Michael Cyclization of  $\alpha,\beta$ -Unsaturated Ketoximes: Synthesis of Densely Arene-Substituted 2-Isoxazolines Bearing a Quaternary Center

Paper

1593



## Synthesis

*Synthesis* **2024**, *56*, 1601–1607  
DOI: 10.1055/a-2256-9837

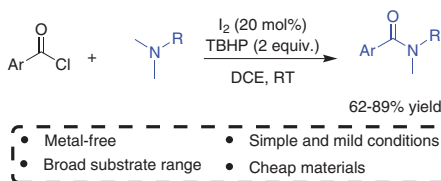
X. Ge  
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I<sub>2</sub>-Catalyzed Oxidative Acylation of Tertiary Amines via C–N Bond Cleavage

Paper

1601



## Synthesis

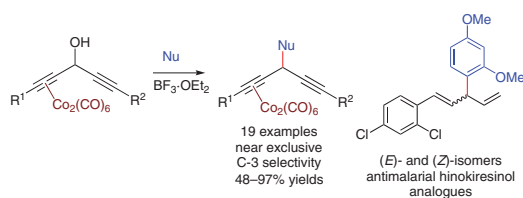
Synthesis 2024, 56, 1608–1618  
DOI: 10.1055/a-2250-8050

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## Nicholas Reactions of Pentadiynyl–Co<sub>2</sub>(CO)<sub>6</sub> Cations. Synthesis of Antimalarial Hinokiresinol Analogues

Paper

1608



## Synthesis

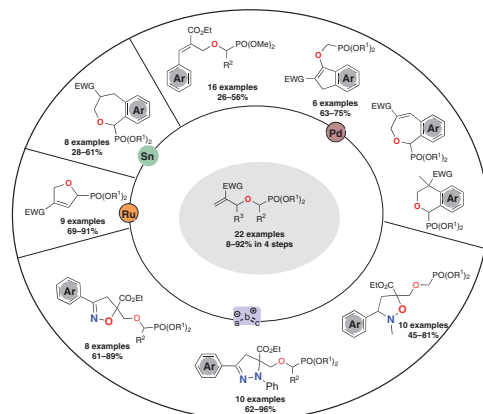
Synthesis 2024, 56, 1619–1647  
DOI: 10.1055/s-0042-1751554

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V. Blot\*  
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M. L. Efrif  
D. Dubreuil  
H. M'rabet\*  
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## Exploring the Reactivity of Substituted [(Allyloxy)methyl]phosphonates in Cycloaddition and Coupling Reactions

Paper

1619



## Synthesis

Synthesis 2024, 56, 1648–1656  
DOI: 10.1055/s-0042-1751559

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## Convenient Synthesis of Hexa- and Pentasaccharide Repeating Units Corresponding to the O-Polysaccharides of *Acinetobacter baumannii* O7 and *Acinetobacter baumannii* O10 Strains

Paper

1648

