Synlett

Accounts and Rapid Communications in Chemical Synthesis

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Special Issue

Chemical Synthesis and Catalysis in India (Part II)

Editor: Benjamin List
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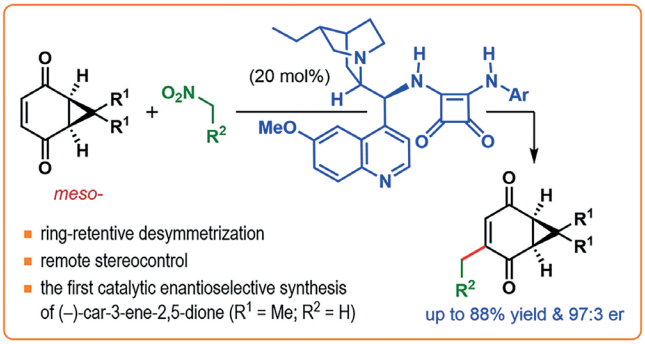

Catalytic Enantioselective Desymmetrization of meso-Cyclopropane-Fused Cyclohexene-1,4-diones by a Formal C(sp2)–H Alkylation

S. Ray, S. Mukherjee

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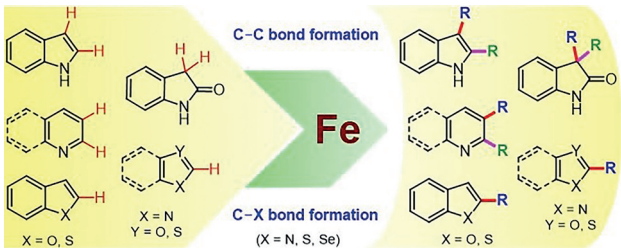
Advances in the Iron-Catalyzed Direct Functionalizations of Heterocycles

Synpacts

683



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Synlett **2023**, *34*, 698–708
DOI: 10.1055/a-1893-7653

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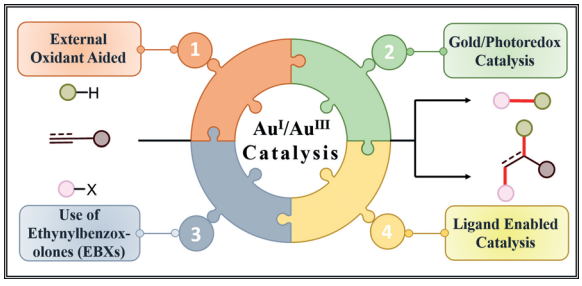
Gold-Catalyzed Cross-Coupling and 1,2-Difunctionalization Reactions: A Personal Account

Cluster Account

698



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Synlett
Synlett **2023**, *34*, 709–728
DOI: 10.1055/s-0042-1751369

Recent Advances in [3+2]-Cycloaddition-Enabled Cascade Reactions: Application to Synthesize Complex Organic Frameworks

Cluster Account

709

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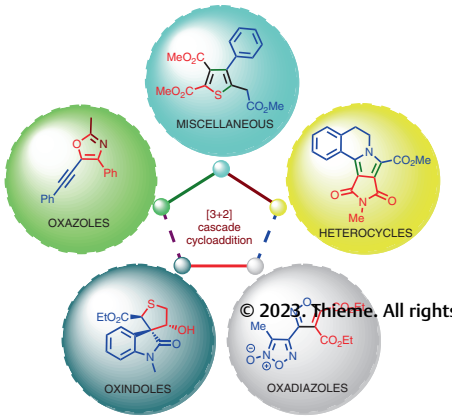

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DOI: 10.1055/s-0042-1751370

Unravelling the Development of Non-Covalent Organocatalysis in India

Cluster Account

729

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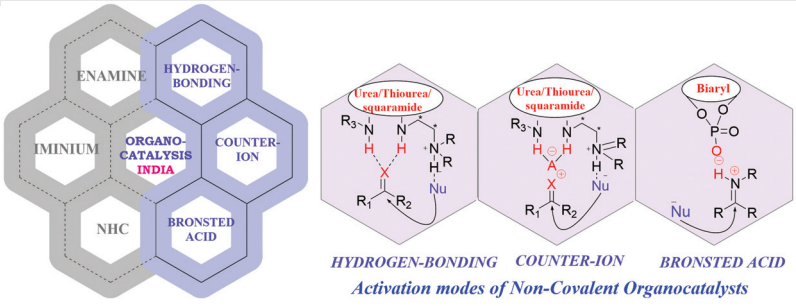

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Synlett **2023**, *34*, 759–776
DOI: 10.1055/a-1928-3466

Transition-Metal-Catalyzed Directing-Group-Assisted C4-H Carbon–Carbon Bond Formation of Indole

Cluster Account

759

S. Basak
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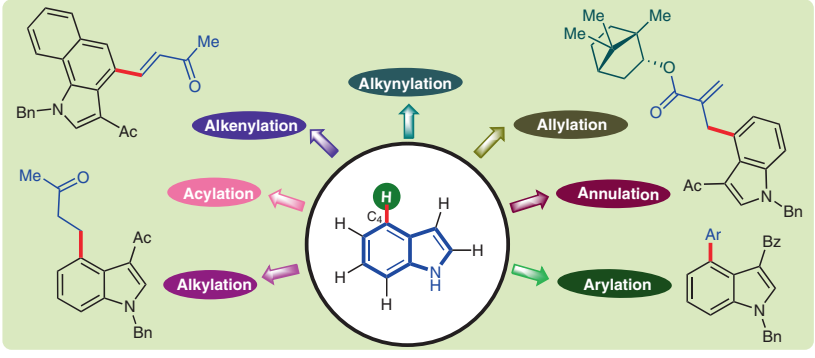

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DOI: 10.1055/s-0042-1751421

Synthetic Utility of the Vilsmeier–Haack Reagent in Organic Synthesis

Cluster Account

777

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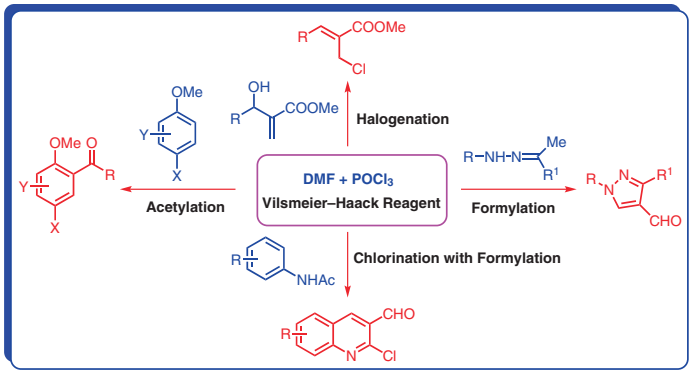
Ritsumeikan University, Japan
J. C. Bose University of Science and Technology, India



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Synlett **2023**, *34*, 793–806
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Recent Advancements in Bottromycin Biosynthesis

Cluster Account

793

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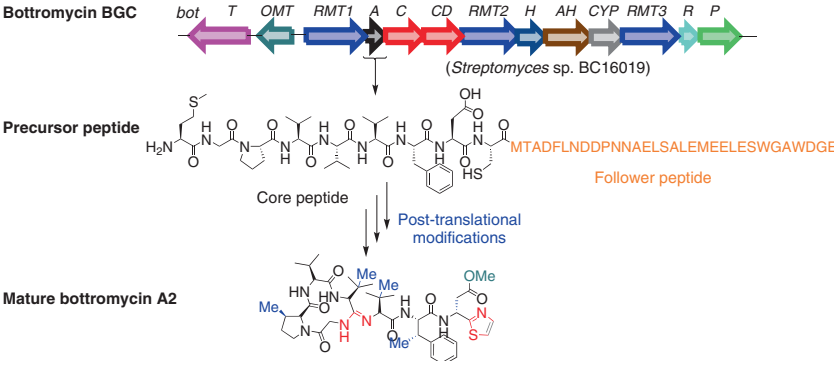

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Synlett **2023**, *34*, 807–814
DOI: 10.1055/a-1903-5174

Metal- and Solvent-Free Synthesis of *m*-Terphenyls by an Iodine-Catalyzed Tandem Formal [3+3]-Cycloaddition/Oxidation

Cluster

807

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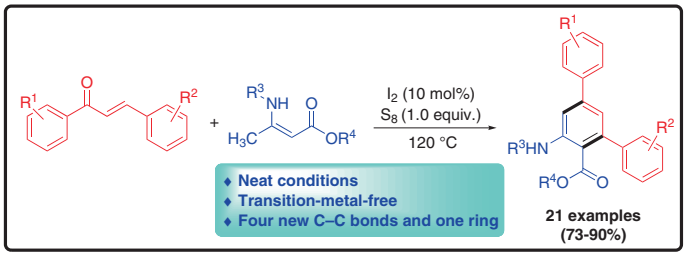

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DOI: 10.1055/s-0042-1752339

A Brønsted Acid Catalyzed Easy Access to Conjugated Diene-Diones from Tertiary Propargyl Alcohols and 1,3-Dicarbonyl Compounds

Cluster 815

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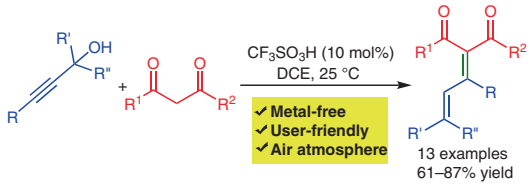

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DOI: 10.1055/a-1912-3884

Boron Trifluoride Etherate-Controlled Reactions of Methyl Enol Ethers: Selective Synthesis of Dihydrofuro[3,2-*c*]chromenone and Furo[3,2-*c*]chromenone Derivatives

Cluster 823

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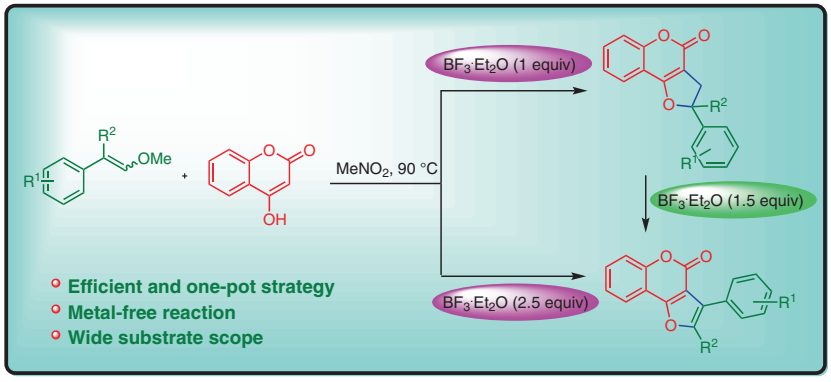

Synlett
Synlett **2023**, *34*, 829–834
DOI: 10.1055/a-1928-3417

Design and Synthesis of a Flavin–Samarium Complex as an Efficient Photocatalyst for Sulfoxidation Reactions

Cluster 829

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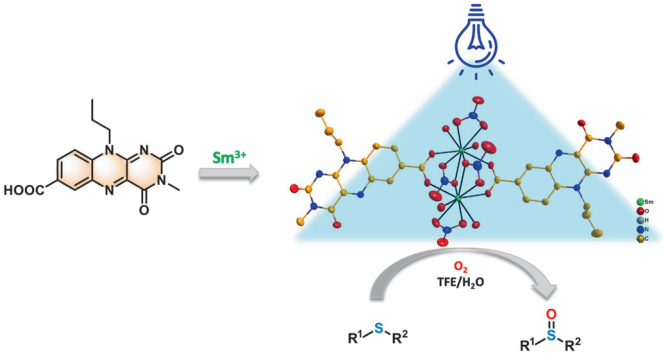

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Synlett **2023**, *34*, 835–840
DOI: 10.1055/a-1956-9993

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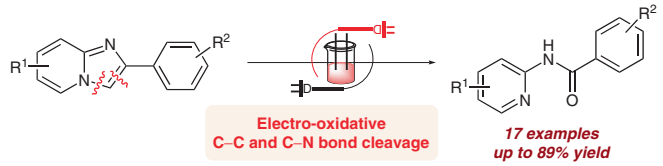
Easy Access to *N*-(Pyridin-2-yl)benzamides through Electro-oxidative Ring Opening of 2-Arylimidazo[1,2-*a*]pyridines

Cluster **835**



- external oxidant free
- aromatic ring cleavage
- mild reaction conditions

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Synlett **2023**, *34*, 841–845
DOI: 10.1055/s-0042-1751365

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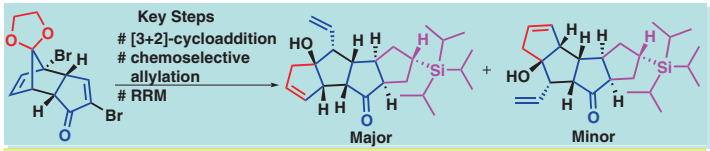
Synthesis of Linear Tetraquinanes by [3+2] Cycloaddition, Chemoselective Allylation of 7-Ketonorbornene, and Ring-Rearrangement Metathesis as Key Steps

Cluster **841**



** Up to 8 contiguous stereocenters.*
** Substrate derives chemoselective allylation.*
** Stereochemistry is defined using single-crystal X-ray diffraction data.*

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Synlett **2023**, *34*, 846–849
DOI: 10.1055/a-1934-1299

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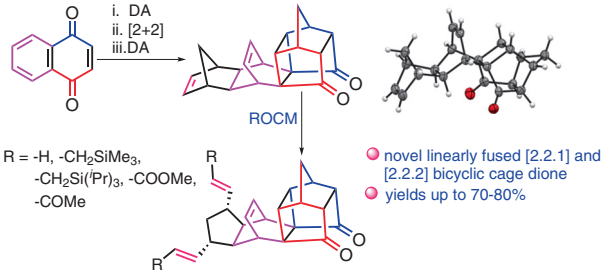
Strain-Induced Regioselective Ring-Opening Cross-Metathesis of Hybrid Cage Propellane Containing both Bicyclo[2.2.1]heptene and Bicyclo[2.2.2]octene Units

Cluster **846**



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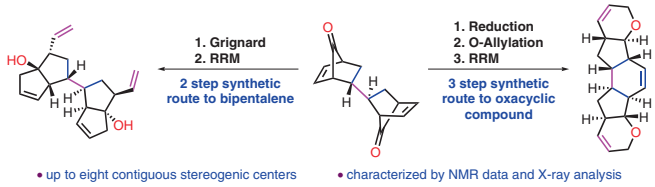
Ring-Rearrangement Metathetic Approach to Fused 6/5/6/5/6-Oxacyclic Ring System and Bipentalene Derivatives

Cluster

850



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Synlett **2023**, *34*, 855–857
DOI: 10.1055/s-0040-1719936

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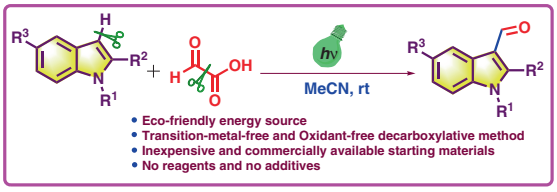
Photochemical Decarboxylative Formylation of Indoles with Aqueous Glyoxylic Acid

Cluster

855



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Synlett **2023**, *34*, 858–862
DOI: 10.1055/a-1912-2378

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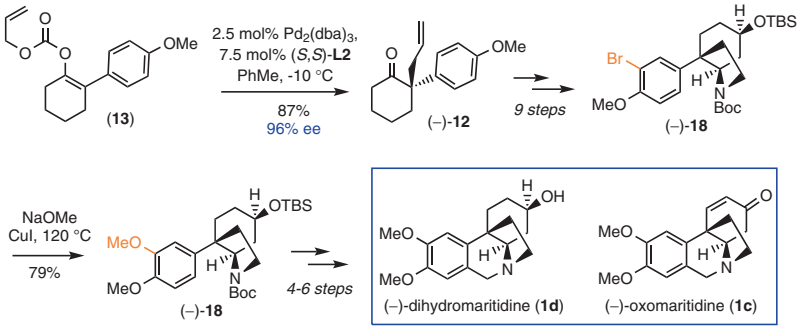
Asymmetric Total Syntheses of (–)-Dihydromaritidine and (–)-Oxomaritidine

Cluster

858



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Synlett **2023**, *34*, 863–867
DOI: 10.1055/a-1912-3216

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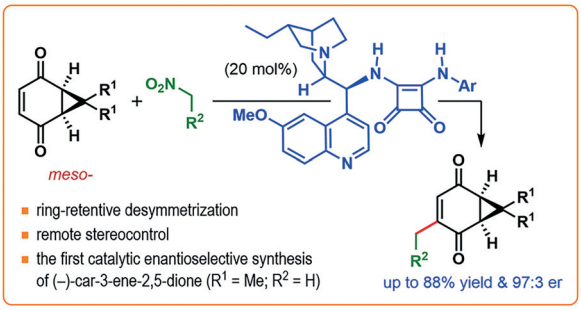
Catalytic Enantioselective Desymmetrization of *meso*-Cyclopropane-Fused Cyclohexene-1,4-diones by a Formal C(sp^2)–H Alkylation

Cluster

863



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Synlett **2023**, *34*, 868–872
DOI: 10.1055/a-1970-8537

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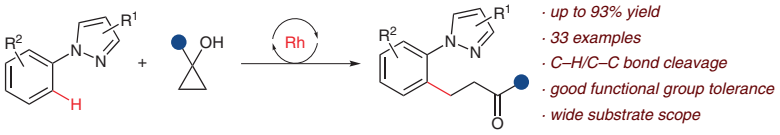
Chelation-Assisted Rhodium-Catalyzed Alkylation of a 1-Arylpyrazole C–H Bond with Cyclopropanols

Cluster

868



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Synlett **2023**, *34*, 843
DOI: 10.1055/s-0040-1707617

M. Lange
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M. A. Suhm

London Dispersion-Assisted Low-Temperature Gas Phase Synthesis of Hydrogen Bond-Inserted Complexes

erratum

873

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