Synthesis

Reviews and Full Papers in Chemical Synthesis

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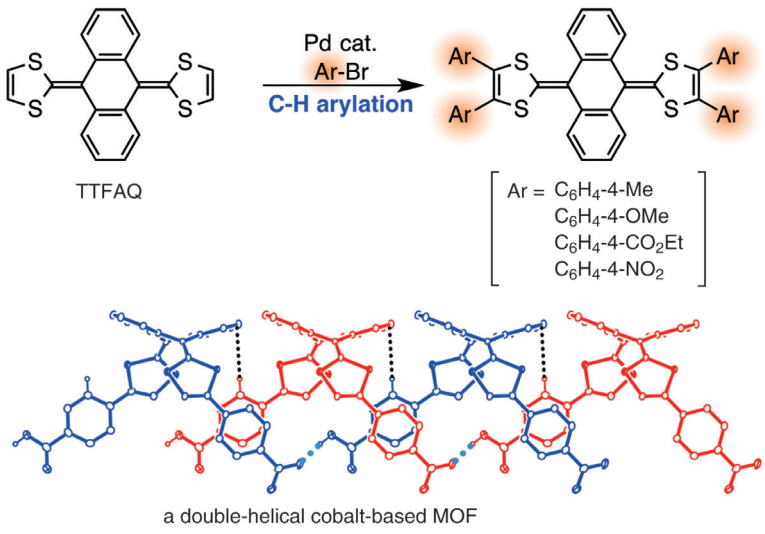
Special Topic

Functional Organic Molecules

Editor: Franziska Schoenebeck



Synthesis of Peripherally Arylated Tetrathiafulvalenes Extended with an Anthraquinoid Spacer via Pd-Catalyzed C–H Arylation and Construction of a Double-Helical Cobalt-Based Metal-Organic Framework

A. Yoshimura, K. Henmi, H. Kimura, R. Sakakibara, R. Ochi, T. Shirahata, H. Yorimitsu, Y. Misaki

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Synthesis

Reviews and Full Papers in Chemical Synthesis

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Synthesis **2021**, *53*, 193–214
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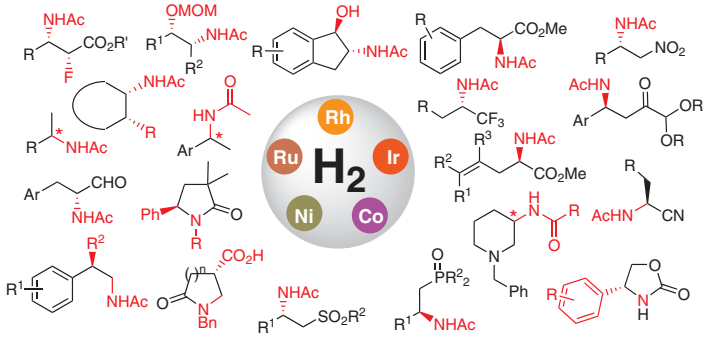

Synthesis **2021**, *53*, 215–237
DOI: 10.1055/s-0040-1707298

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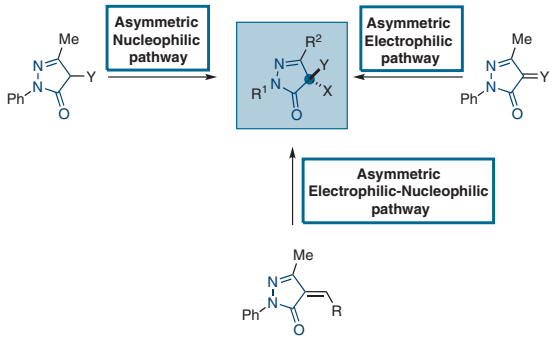

Synthesis

Recent Advances in Palladium-Catalyzed Bridging C–H Activation by Using Alkenes, Alkynes or Diazo Compounds as Bridging Reagents

Short Review

238

Synthesis **2021**, *53*, 238–254
DOI: 10.1055/s-0040-1707268

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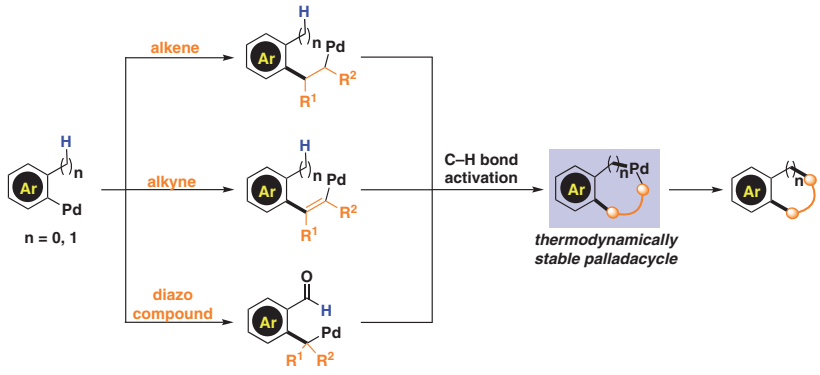

Synthesis

Cross-Coupling Reactions of Double or Triple Electrophilic Templates for Alkene Synthesis

Short Review

255

Synthesis **2021**, *53*, 255–266
DOI: 10.1055/s-0040-1707270

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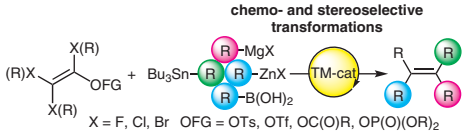

Synthesis

Deoxygenative Transition-Metal-Promoted Reductive Coupling and Cross-Coupling of Alcohols and Epoxides

Short Review

267

Synthesis **2021**, *53*, 267–278
DOI: 10.1055/s-0040-1707269

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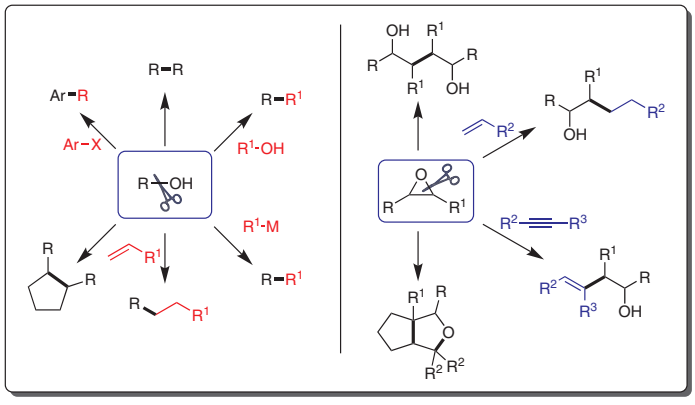

Synthesis

Synthesis **2021**, *53*, 279–295
DOI: 10.1055/s-0040-1706535

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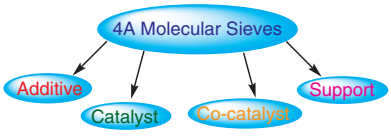
The Application of 4Å Molecular Sieves in Organic Chemical Syntheses: An Overview

Short Review



Synthesis

Synthesis **2021**, *53*, 296–308
DOI: 10.1055/s-0040-1707318

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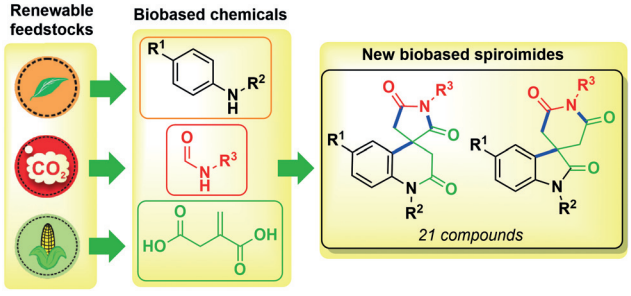
Biobased Spiroimides from Itaconic Acid and Formamides: Molecular Targets for a Novel Synthetic Application of Renewable Chemicals

Feature



Synthesis

Synthesis **2021**, *53*, 309–317
DOI: 10.1055/s-0040-1707313

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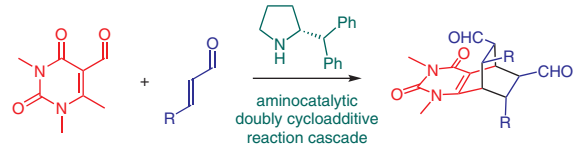
Aminocatalytic Synthesis of Uracil Derivatives Bearing a Bicyclo[2.2.2]octane Scaffold via a Doubly Cycloadditive Reaction Cascade

Feature



R = Ph, 4-BrC_6H_4, 4-ClC_6H_4, 4-$O_2NC_6H_4$, 4-MeC_6H_4, 3-MeC_6H_4, 2-MeC_6H_4, 4-$MeOC_6H_4$, 2-$MeOC_6H_4$, 2-furyl

10 examples
45–86% yield
>25:1 dr
from 97:3 to >99:1 er

Synthesis

Synthesis **2021**, *53*, 318–325
DOI: 10.1055/s-0040-1707896

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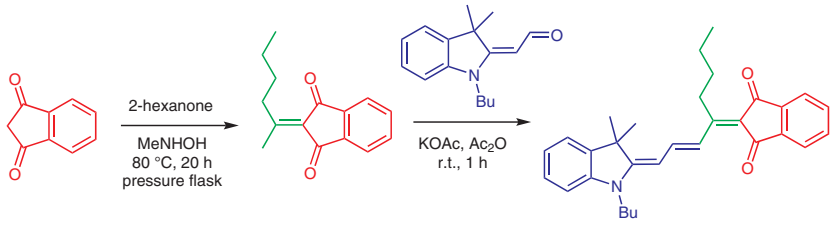
Merocyanine Dyes with Extended Polymethine Chains by Simple Two-Step Condensation Sequence

Special Topic



Synthesis

Synthesis **2021**, *53*, 326–331
DOI: 10.1055/s-0040-1707177

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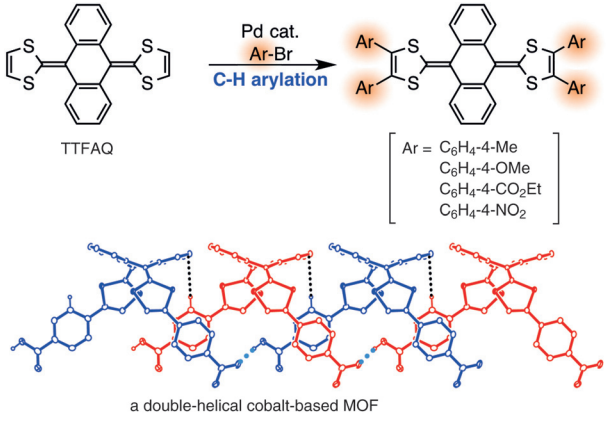
Synthesis of Peripherally Arylated Tetrathiafulvalenes Extended with an Anthraquinoid Spacer via Pd-Catalyzed C–H Arylation and Construction of a Double-Helical Cobalt-Based Metal-Organic Framework

Special Topic



Synthesis

Synthesis **2021**, *53*, 332–337
DOI: 10.1055/s-0040-1707288

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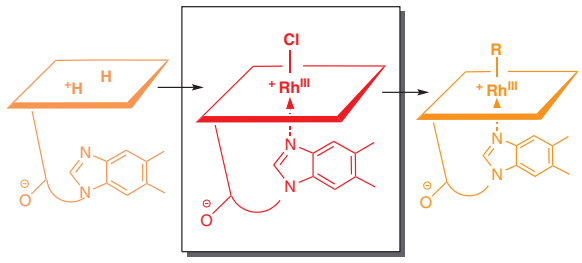
Synthesis, Spectral Characterization and Crystal Structure of Chlororhodibalamin: A Synthesis Platform for Rhodium Analogues of Vitamin B_{12} and for Rh-Based Antivitamins B_{12}

Special Topic



Synthesis

Synthesis **2021**, *53*, 338–343
DOI: 10.1055/s-0040-1707290

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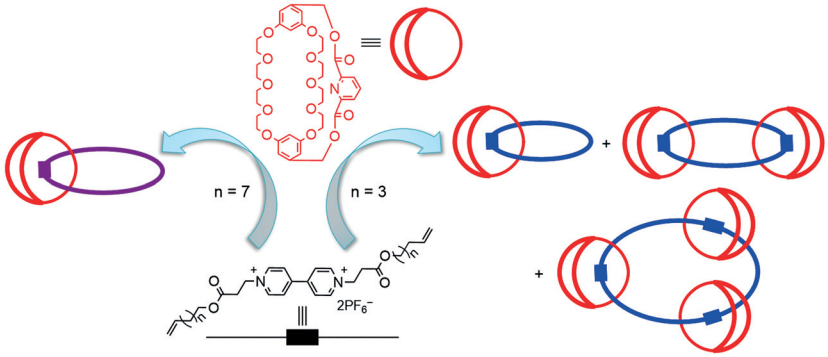
Synthesis of Catenanes from a BMP32C10-Based Cryptand Tuned by the Linkage Length of Paraquat Salts

Special Topic



Synthesis

Synthesis **2021**, *53*, 344–347
DOI: 10.1055/s-0040-1705950

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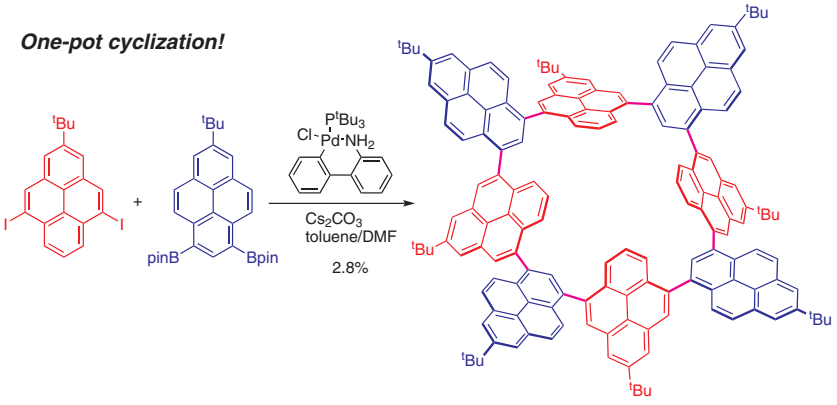
One-Pot Synthesis of a Cyclic Pyrene Octamer from Two Bifunctionalized Pyrene Monomers

Special Topic



Synthesis

Synthesis **2021**, *53*, 348–358
DOI: 10.1055/s-0040-1707278

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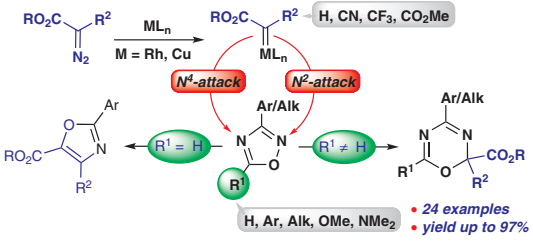
An Efficient Synthesis of Functionalized 2*H*-1,3,5-Oxadiazines via Metal-Carbenoid-Induced 1,2,4-Oxadiazole Ring Cleavage

Paper



Synthesis

First Total Synthesis and Investigation of the X-ray Crystal Structure of the Pyrano[3,2-*a*]carbazole Alkaloid Clausenalansine A

Synthesis **2021**, *53*, 359–364
DOI: 10.1055/s-0040-1706551

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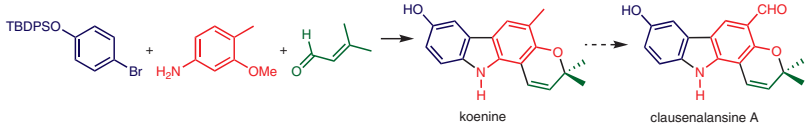

Synthesis

A Domino Reaction for the Synthesis of Novel 1,3-Dihydrofuro-[3,4-c]pyridines from Pyridoxal and Ketones

Synthesis **2021**, *53*, 365–370
DOI: 10.1055/s-0040-1706422

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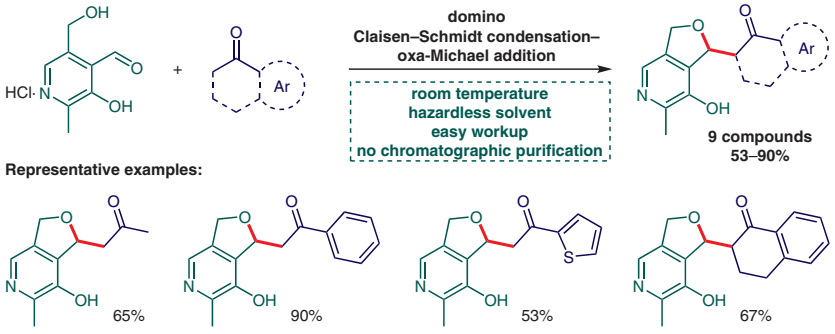

Synthesis

2-Carbamimidoylbenzoic Acid as a New Effective and Available Precursor for the Synthesis of Substituted 2-(Pyrimidin-2-yl)-benzoic Acids

Synthesis **2021**, *53*, 371–382
DOI: 10.1055/s-0040-1705941

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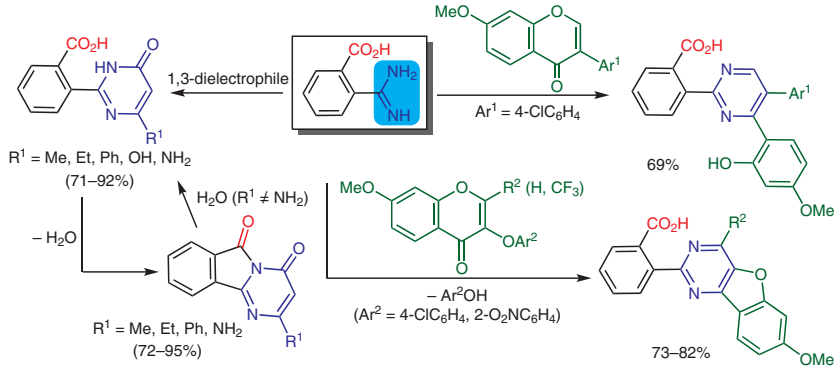

Synthesis

Synthesis **2021**, *53*, 383–390
DOI: 10.1055/s-0040-1707356

Palladium-Catalyzed Cross-Coupling Reactions of 4-Tosyloxyquinazolines with Indoles: An Efficient Approach to 4-(1*H*-Indol-1-yl)quinazolines

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