

Synthesis

Recent Advances in Photocatalytic C–N Bond Coupling Reactions

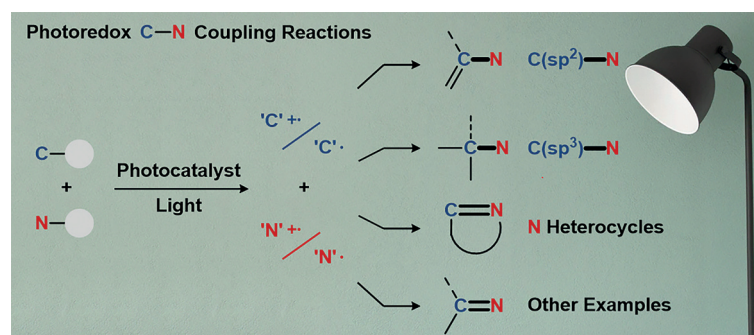
Review

Synthesis 2020, 52, 2899–2921
DOI: 10.1055/s-0040-1707136

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2899



Synthesis

Unconventional Transformations of Morita–Baylis–Hillman Adducts

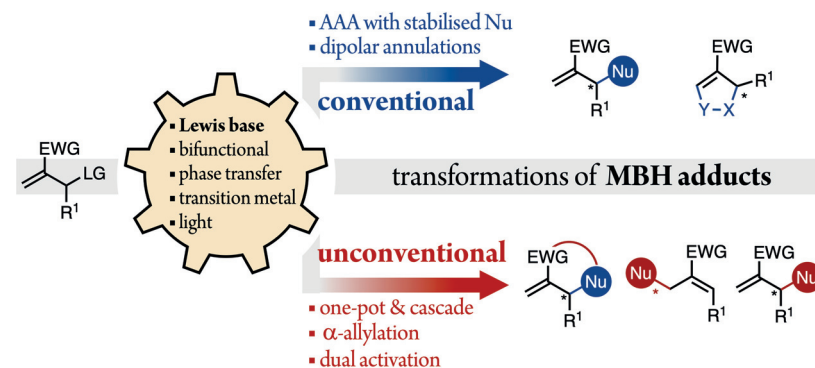
Short Review

Synthesis 2020, 52, 2922–2939
DOI: 10.1055/s-0040-1707207

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2922



Synthesis

Synthesis 2020, 52, 2940–2947
DOI: 10.1055/s-0040-1706403

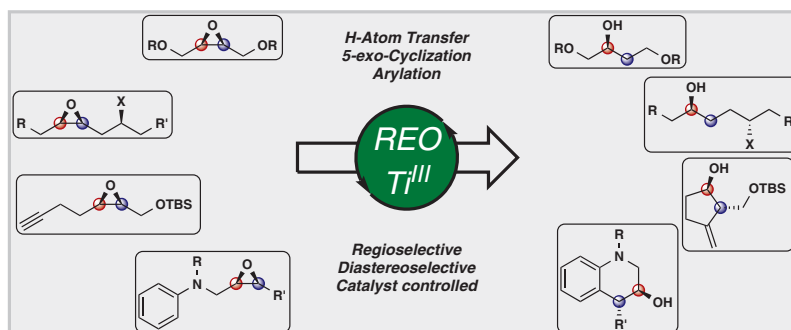
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Titanocene-Catalyzed Regiodivergent Epoxide Opening – From Desymmetrizing *meso*-Epoxides to Regiodivergent Arylation of Epoxides

Short Review

2940



Synthesis

Synthesis 2020, 52, 2948–2961
DOI: 10.1055/s-0040-1707210

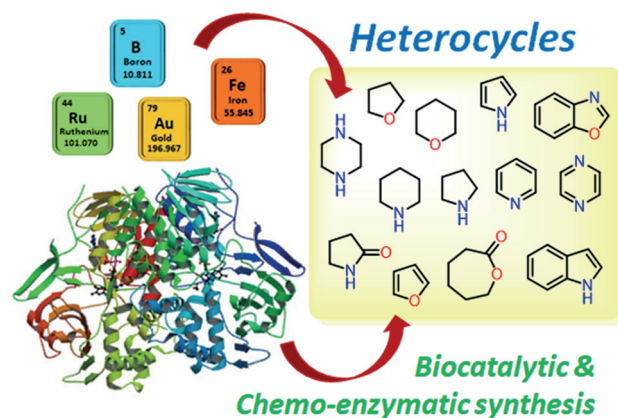
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Biocatalytic and Chemo-Enzymatic Approaches for the Synthesis of Heterocycles

Short Review

2948



Synthesis

Synthesis 2020, 52, 2962–2969
DOI: 10.1055/s-0040-1707194

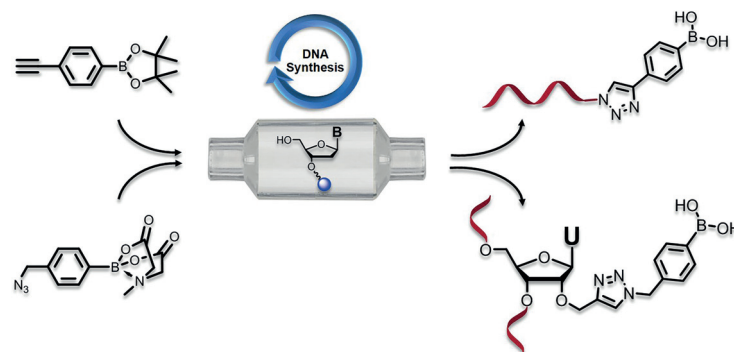
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Selective Chemical Modification of DNA with Boronic Acids by On-Column CuAAC Reactions

Feature

2962



Synthesis

Synthesis 2020, 52, 2970–2978
DOI: 10.1055/s-0040-1707886

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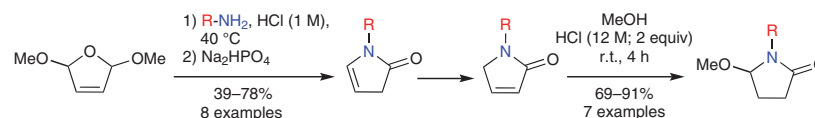
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N-Acyliminium Ion Chemistry: Improving the Access to Unsaturated γ -Lactams and Their *N*- α -Methoxylated Derivatives: Application to an Expeditive Synthesis of (\pm)-Crispine A

PSP

2970



R-NH₂ = allylamine, aniline, benzylamine, (S)-1-phenylethan-1-amine,
2-(3,4-dimethoxyphenyl)ethanamine, L-Lys(Z)-OMe,
L-Phe-OMe, L-Val-OMe

Synthesis

Synthesis 2020, 52, 2979–2986
DOI: 10.1055/s-0040-1707205

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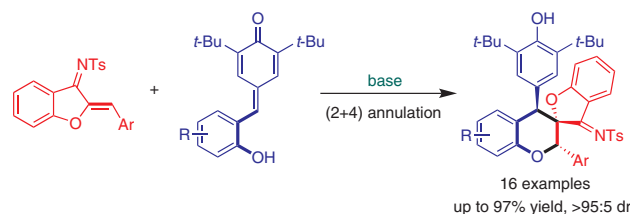
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Application of Benzofuran-Derived Azadienes as Two-Carbon Building Blocks in Annulations: Chemo- and Diastereoselective Construction of Spiro-Benzofuran Scaffolds

Paper

2979



Synthesis

Synthesis 2020, 52, 2987–3000
DOI: 10.1055/s-0040-1707897

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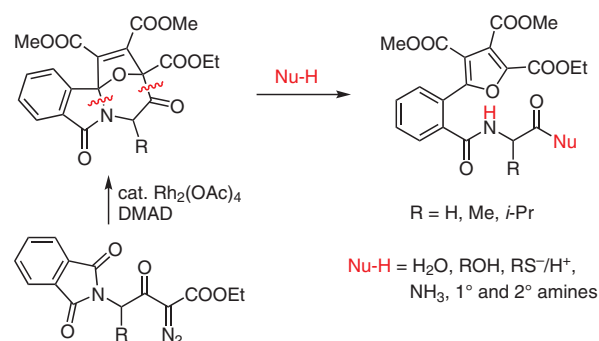
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Tetrasubstituted Furans by Nucleophile-Induced Cleavage of Carbonyl Ylide–DMAD Cycloadducts

Paper

2987



Synthesis

Synthesis 2020, 52, 3001–3006
DOI: 10.1055/s-0040-1707899

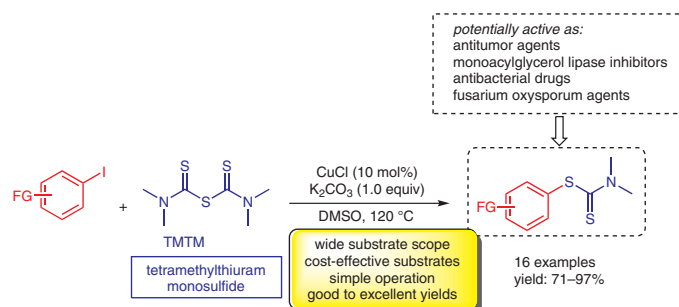
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An Efficient Copper-Catalyzed C(sp²)-S Formation Starting from Aryl Iodides and Tetramethylthiuram Monosulfide (TMTM)

Paper

3001



Synthesis

Synthesis 2020, 52, 3007–3017
DOI: 10.1055/s-0040-1707906

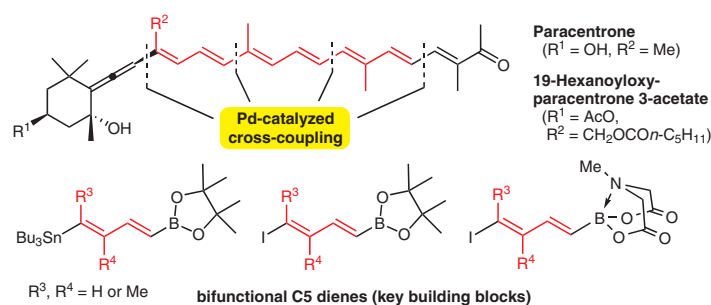
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Synthesis of Allene-Containing Apocarotenoids by Cross-Coupling Strategy

Paper

3007



Synthesis

Synthesis 2020, 52, 3018–3028
DOI: 10.1055/s-0040-1707895

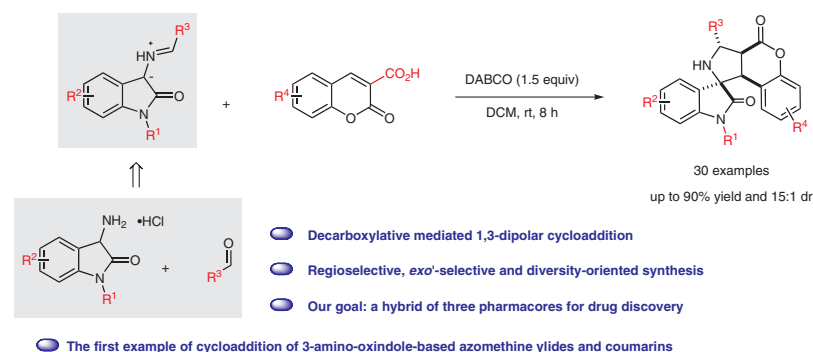
X.-W. Liu
S.-Q. Chang
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J.-X. Wang
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Decarboxylative-Mediated Regioselective 1,3-Dipolar Cycloaddition for Diversity-Oriented Synthesis of Structurally *exo'*-Selective Spiro[oxindole-pyrrolidine-dihydrocoumarin] Hybrids

Paper

3018



Synthesis

Synthesis 2020, 52, 3029–3035
DOI: 10.1055/s-0040-1707193

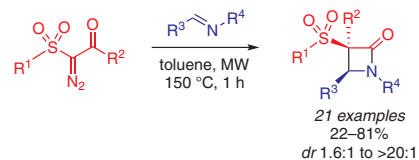
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Catalyst-Free Synthesis of Diastereomerically Pure 3-Sulfonylazetidino-2-ones via Microwave-Assisted Tandem Wolff Rearrangement–Staudinger Cycloaddition

Paper

3029



Synthesis

Synthesis 2020, 52, 3036–3046
DOI: 10.1055/s-0040-1707167

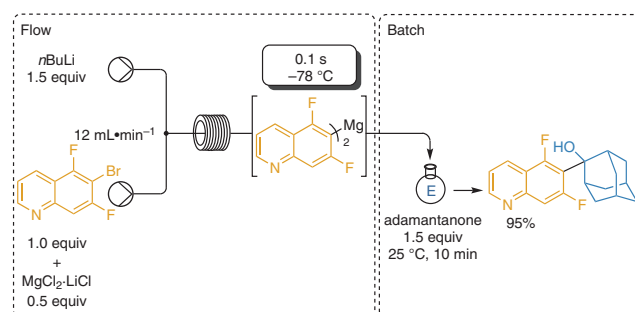
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Preparation of Diorganomagnesium Reagents by Halogen–Lithium Exchange of Functionalized Heteroaryl Halides and Subsequent in situ Trapping with $\text{MgCl}_2\cdot\text{LiCl}$ in Continuous Flow

Paper

3036



Synthesis

Synthesis 2020, 52, 3047–3057
DOI: 10.1055/s-0040-1707340

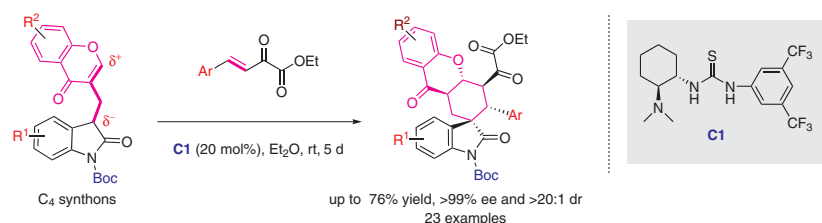
H.-J. Zhou
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Catalytic Asymmetric Domino Michael/Annulation Reaction of Bifunctional Chromone Synthons with β,γ -Unsaturated α -Keto Esters: Rapid Access to Polysubstituted Spirocyclic Hexahydroxanthenes

Paper

3047



- the first example of enone as C_2 synthon in chemistry of chromones
- potential biologically active molecules

Synthesis

Synthesis 2020, 52, 3058–3064
DOI: 10.1055/s-0040-1707204

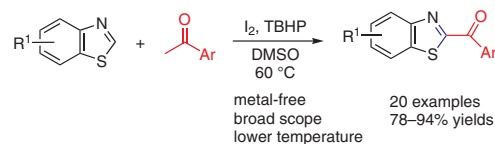
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Iodine- and TBHP-Promoted Acylation of Benzothiazoles under Metal-Free Conditions

Paper

3058



Synthesis

Synthesis 2020, 52, 3065–3070
DOI: 10.1055/s-0040-1707186

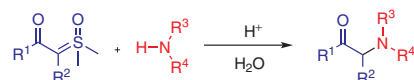
H. He
K. Yan
J. Li
R. Lai
Y. Luo
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Metal-Free Insertion of Sulfoxonium Ylides into Arylamines in Water

Paper

3065



- Metal-free
- Water as solvent
- Up to 87% yield
- 25 examples
- Suitable for late-stage modification

Synthesis

Synthesis 2020, 52, 3071–3076
DOI: 10.1055/s-0040-1707158

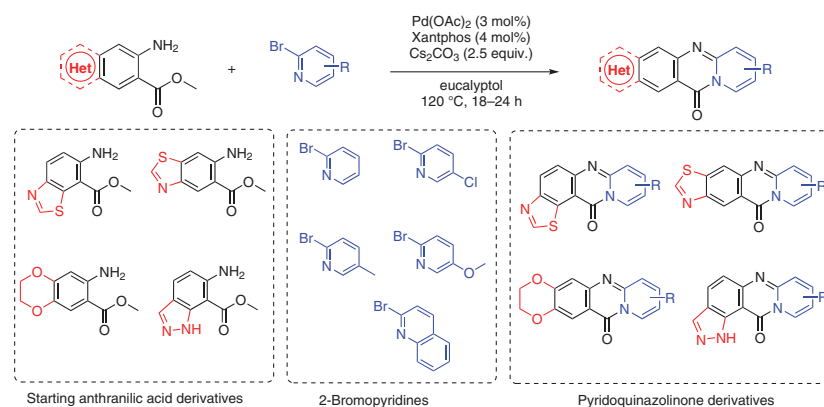
J. F. Campos
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T. Besson
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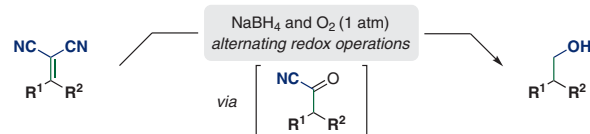
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Synthesis of Benzo-Fused 11*H*-Pyrido[2,1-*b*]quinazolin-11-ones by a Buchwald–Hartwig Coupling/Pyridine Dearomatization Sequence in Eucalyptol

Paper

3071





Three Metal-Free Steps in One Operation in One Pot

