

Synthesis

Synthesis 2019, 51, 3021–3054
DOI: 10.1055/s-0037-1611812

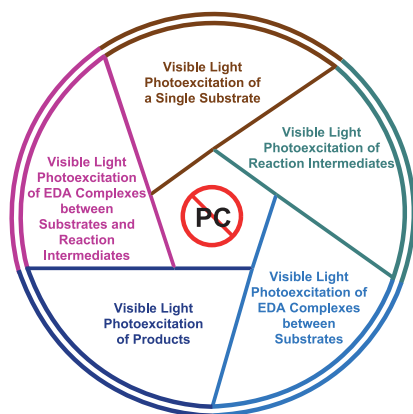
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Visible-Light-Driven Organic Photochemical Reactions in the Absence of External Photocatalysts

Review

3021



Synthesis

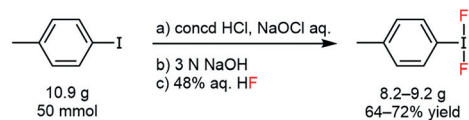
Synthesis 2019, 51, 3055–3059
DOI: 10.1055/s-0037-1611526

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A Practical, Large-Scale Synthesis of *p*-(Difluoroiodo)toluene (*p*-TolIF₂)

PSP

3055



Synthesis

Synthesis 2019, 51, 3060–3076
DOI: 10.1055/s-0037-1611482

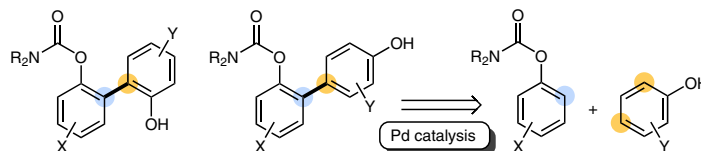
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C. Jandl
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Access to Biphenyls by Palladium-Catalyzed Oxidative Coupling of Phenyl Carbamates and Phenols

Paper

3060



Synthesis

Synthesis 2019, 51, 3077–3084
DOI: 10.1055/s-0037-1611799

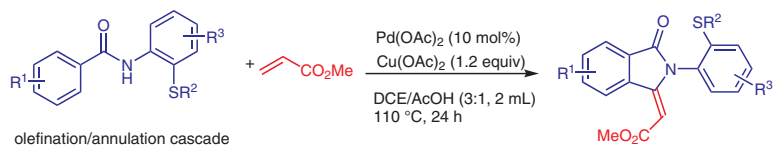
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Palladium-Catalyzed C(sp²)-H Olefination/Annulation Cascades of Aryl Carboxamides Assisted by *N,S*-Bidentate Auxiliary

Paper

3077



olefination/annulation cascade
assisted by *N,S*-bidentate auxiliary

R¹ = Me, Et, OMe, F, Cl, Br, CF₃, Ph, 2-Napht
R² = Me, Et, Cy, Ph
R³ = Me, OEt, Cl, CF₃

22 examples, yields up to 67%

Synthesis

Synthesis 2019, 51, 3085–3090
DOI: 10.1055/s-0037-1611521

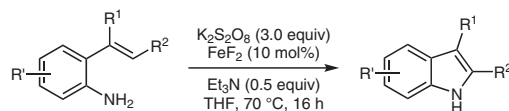
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Iron-Promoted Construction of Indoles via Intramolecular Oxidative C–N Coupling of 2-Alkenylanilines Using Persulfate

Paper

3085



One-pot reaction
Cheap reagents
No *N*-protection
Mild conditions

Good group tolerance
16 examples
R = Alkyl or Aryl
Appreciable yields up to 80%

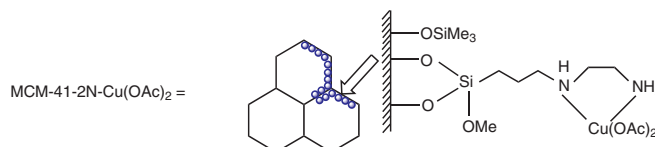
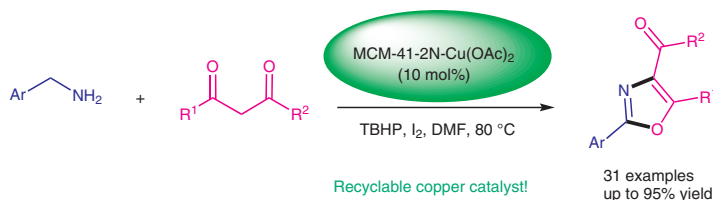
Synthesis

Synthesis 2019, 51, 3091–3100
DOI: 10.1055/s-0037-1610710

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A Highly Efficient Heterogeneous Copper-Catalyzed Oxidative Cyclization of Benzylamines and 1,3-Dicarbonyl Compounds To Give Trisubstituted Oxazoles



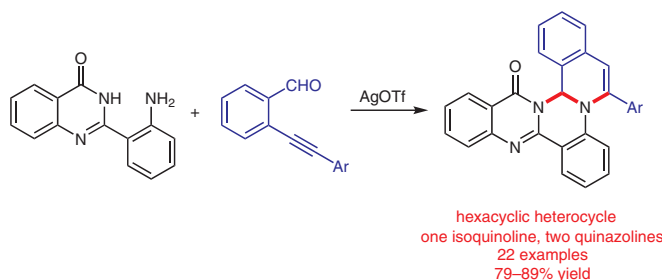
Synthesis

Synthesis 2019, 51, 3101–3108
DOI: 10.1055/s-0037-1611808

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Silver Triflate Catalyzed Synthesis of Isoquinolino[2,1-a]quinazolino[3,2-c]quinazoline Derivatives via Alkyne Hydroamination



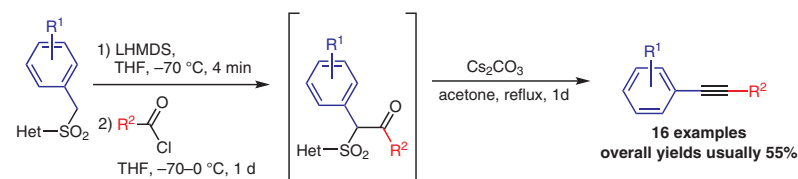
Synthesis

Synthesis 2019, 51, 3109–3116
DOI: 10.1055/s-0037-1612423

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Synthesis of Diarylacetylenes Bearing Electron-Withdrawing Groups via the Smiles Rearrangement



Het = benzothiazol-2-yl
or 1-phenyl-1H-tetrazol-5-yl

R¹ = NO₂, CF₃, CN

R² = 4-F₃CC₆H₄, 3-F₃CC₆H₄, 4-ClC₆H₄, 2-BrC₆H₄, Ph, 4-MeOC₆H₄, 2-naphthyl, 2-furyl

Synthesis

Synthesis 2019, 51, 3117–3126
DOI: 10.1055/s-0037-1610709

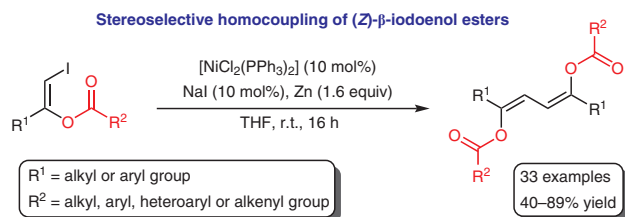
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Nickel-Catalyzed Homocoupling of (Z)-β-Iodoenol Esters: Stereoselective Access to (Z,Z)-Buta-1,3-diene-1,4-diyl Diesters

Paper

3117



Synthesis

Synthesis 2019, 51, 3127–3141
DOI: 10.1055/s-0037-1610707

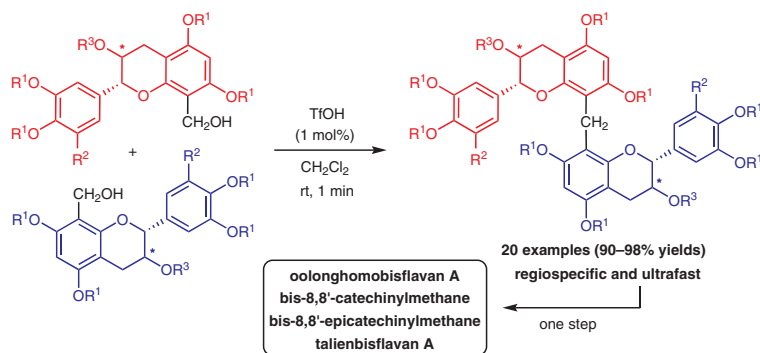
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Synthesis of Bisflavanol-Type Natural Products and Their Analogues via Self-Coupling of C8-Methylol Catechin Derivatives

Paper

3127



Synthesis

Synthesis 2019, 51, 3142–3150
DOI: 10.1055/s-0037-1611520

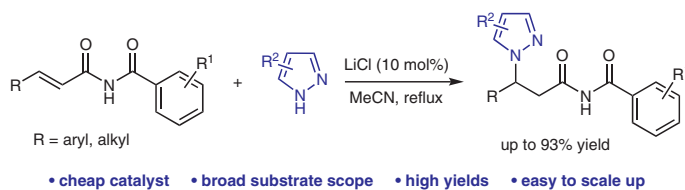
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Lithium Chloride Catalyzed Aza-Michael Addition of Pyrazoles to α,β -Unsaturated Imides

Paper

3142



Synthesis

Synthesis 2019, 51, 3151–3159
DOI: 10.1055/s-0037-1611820

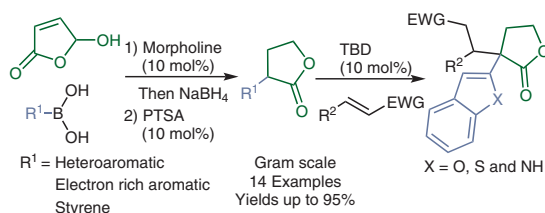
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Organocatalytic Gram-Scale Synthesis and Alkylation of Heteroaryl and Electron-Rich Aryl α -Substituted γ -Lactones

Paper

3151



Synthesis

Synthesis 2019, 51, 3160–3170
DOI: 10.1055/s-0037-1611575

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Copper-Catalyzed Intramolecular α -C–H Amination via Ring-Opening Cyclization Strategy to Quinazolin-4-ones: Development and Application in Rutaecarpine Synthesis

Paper

3160

