Synthesis

Reviews and Full Papers in Chemical Synthesis

2020
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June II

Synthesis

Synthesis **2020**, *52*, 1719–1737
DOI: 10.1055/s-0039-1690843

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Recent Advances in Photocatalytic Decarboxylative Coupling Reactions in Medicinal Chemistry

Review

1719

Synthesis

Synthesis **2020**, *52*, 1738–1750
DOI: 10.1055/s-0039-1690857

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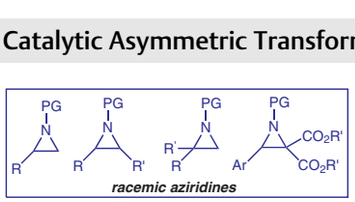
Catalytic Asymmetric Transformations of Racemic Aziridines

Short Review

1738



ring opening reaction & [3+x] annulation
stereoselectivity & regioselectivity
enantioconvergent transformation
(regiodivergent parallel) kinetic resolution

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Synthesis

Synthesis **2020**, *52*, 1751–1761
DOI: 10.1055/s-0039-1690868

Automated Electrochemical Selenenylations

Feature

1751

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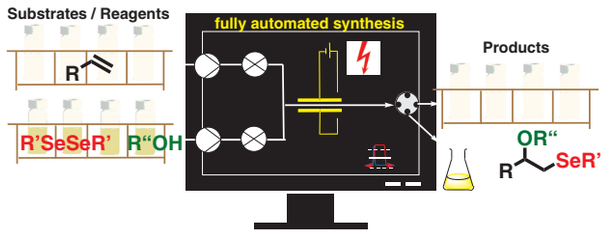

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Synthesis **2020**, *52*, 1762–1772
DOI: 10.1055/s-0039-1690892

Functionalization of Alkenyl C–H Bonds with D_2O via Pd(0)/Carboxylic Acid Catalysis

Feature

1762

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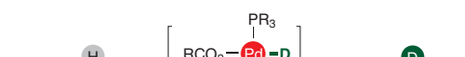

Synthesis

Synthesis **2020**, *52*, 1773–1778
DOI: 10.1055/s-0040-1707989

A Convenient Synthesis of Amidines via Cycloaddition–Decarboxylation of Isocyanates and Nitrones

Paper

1773

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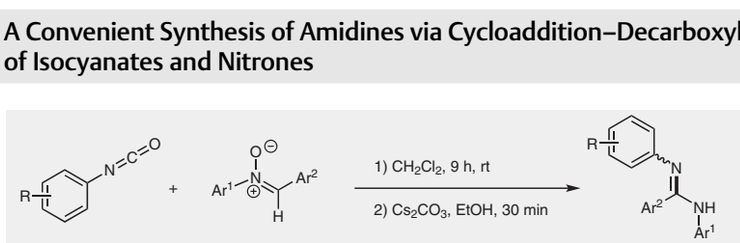

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Synthesis

Synthesis **2020**, *52*, 1779–1794
DOI: 10.1055/s-0039-1690088

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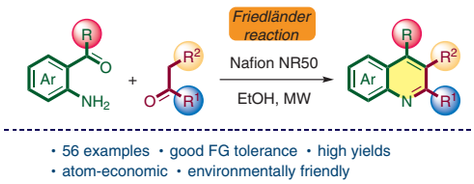
Environmentally Friendly Nafion-Mediated Friedländer Quinoline Synthesis under Microwave Irradiation: Application to One-Pot Synthesis of Substituted Quinolinyl Chalcones

Paper

1779



Synthesis

Synthesis **2020**, *52*, 1795–1803
DOI: 10.1055/s-0039-1690852

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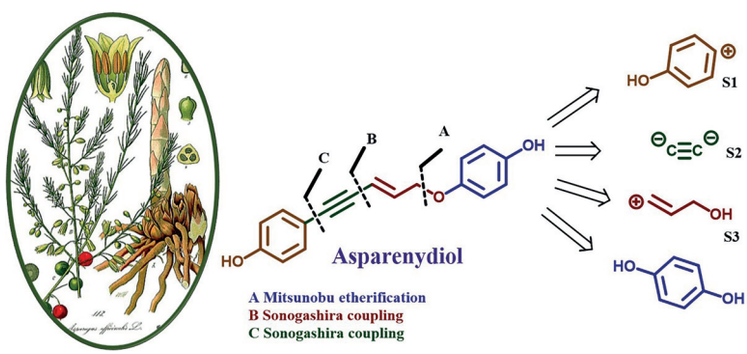
Total Synthesis of Asparenydiol by Two Sonogashira Cross-Coupling Reactions Promoted by Supported Pd and Cu Catalysts

Paper

1795



Synthesis

Synthesis **2020**, *52*, 1804–1822
DOI: 10.1055/s-0039-1707985

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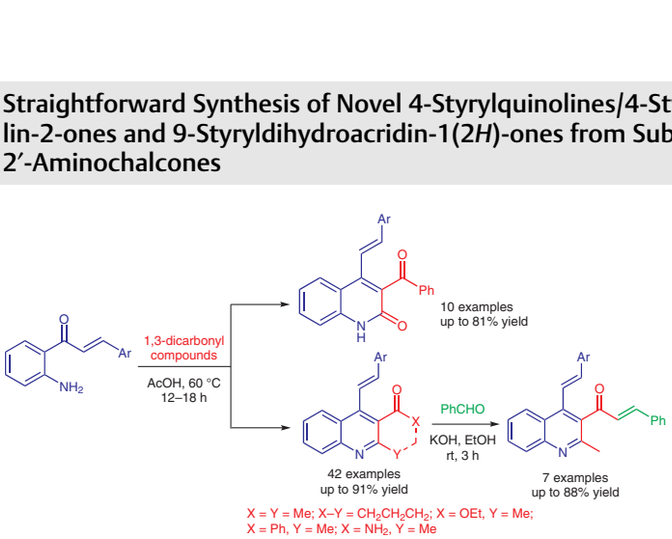
Straightforward Synthesis of Novel 4-Styrylquinolines/4-Styrylquinolin-2-ones and 9-Styryldihydroacridin-1(2*H*)-ones from Substituted 2′-Aminochalcones

Paper

1804



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Synthesis

Synthesis **2020**, *52*, 1823–1832
DOI: 10.1055/s-0039-1690864

One-Pot Synthesis of α-Halo β-Amino Acid Derivatives via the Difunctional Coupling of Ethyl α-Diazoacetate with Silyl Halides and *N*,*O*-Acetals or Aromatic Tertiary Amines

Paper

1823

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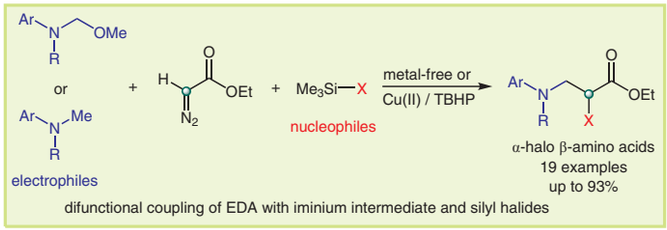

Synthesis

Synthesis **2020**, *52*, 1833–1840
DOI: 10.1055/s-0039-1691740

Synthesis of 2,4-Diarylquinoline Derivatives via Chloranil-Promoted Oxidative Annulation and One-Pot Reaction

Paper

1833

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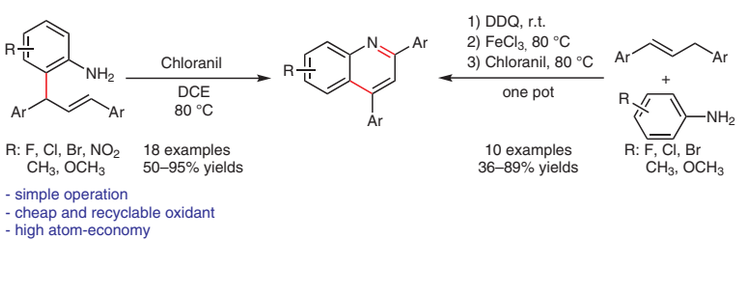

Synthesis

Synthesis **2020**, *52*, 1841–1846
DOI: 10.1055/s-0040-1707996

Unexpected Iodine-Promoted Aerobic Oxidation of α-Cyano-δ-keto Esters: A Facile Synthesis of α,δ-Dicarbonyl Esters

Paper

1841

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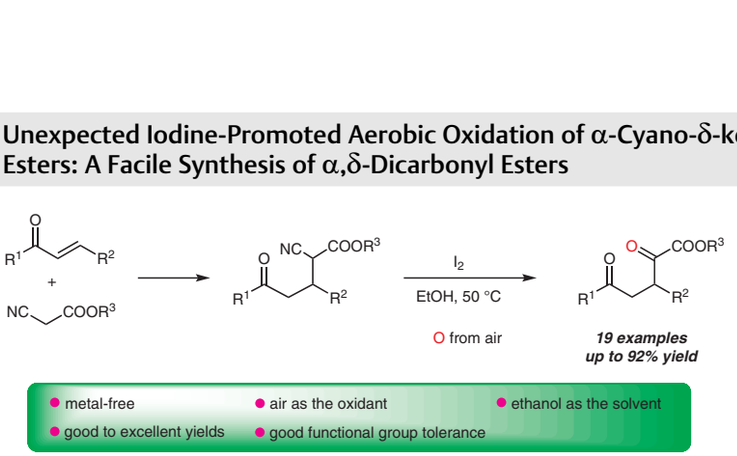

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Synthesis

Synthesis **2020**, *52*, 1847–1854
DOI: 10.1055/s-0040-1708006

Facile Construction of Troponoid Derivatives Incorporating Imidazolin-2-one Moieties

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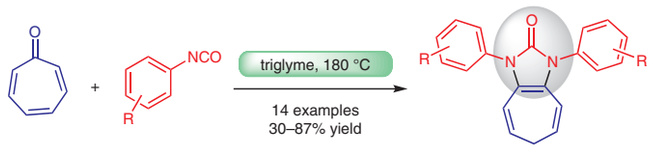

- no catalyst
- simple thermal conditions
- cascade reaction

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