

Synthesis

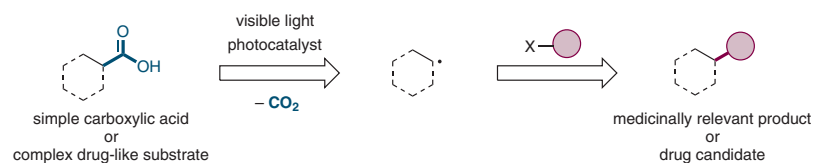
Synthesis 2020, 52, 1719–1737
DOI: 10.1055/s-0039-1690843

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T. M. McGuire
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AstraZeneca, UK

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

Synthesis

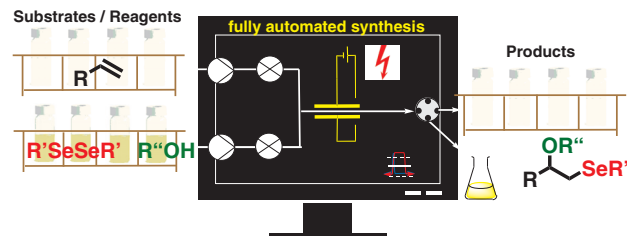
Automated Electrochemical Selenenylations

Feature

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

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T. Wirth*
Cardiff University, UK

1751



Synthesis

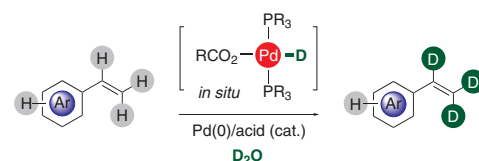
Functionalization of Alkenyl C–H Bonds with D₂O via Pd(0)/Carboxylic Acid Catalysis

Feature

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

N. Camedda
A. Serafino
R. Maggi
F. Bigi
G. Cera
G. Maestri*
Università di Parma, Italy

1762



Synthesis

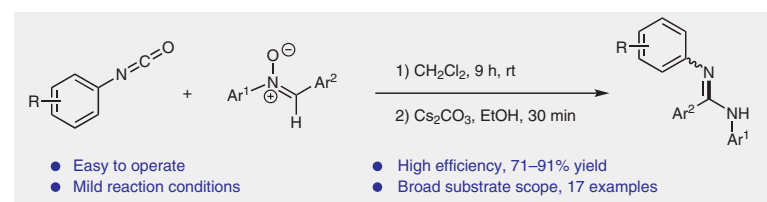
A Convenient Synthesis of Amidines via Cycloaddition–Decarboxylation of Isocyanates and Nitrones

Paper

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

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1773



Synthesis

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

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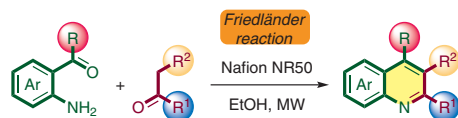
C.-C. Wang*

Academia Sinica, Taiwan, R.O.C.

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

Paper

1779



- 56 examples • good FG tolerance • high yields
- atom-economic • environmentally friendly

Synthesis

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

G. Casotti

G. Fusini

M. Ferreri

L. F. Pardini

C. Evangelisti*

G. Angelici*

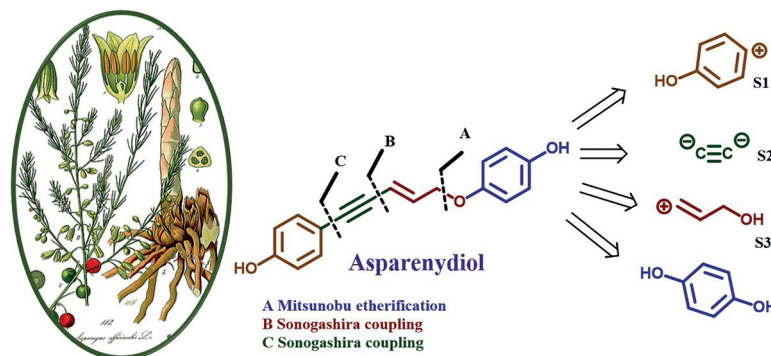
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Total Synthesis of Asparenidiol by Two Sonogashira Cross-Coupling Reactions Promoted by Supported Pd and Cu Catalysts

Paper

1795



Synthesis

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

A. Meléndez

E. Plata

D. Rodríguez

D. Ardila

S. A. Guerrero

L. M. Acosta

J. Cobo

M. Nogueras

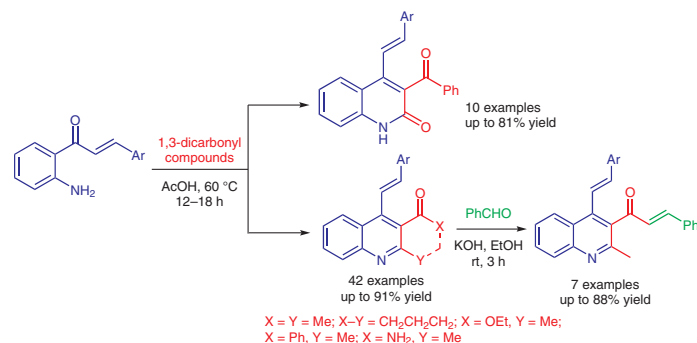
A. Palma*

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

Paper

1804



Synthesis

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

N. Sakai*

K. Sasaki

H. Suzuki

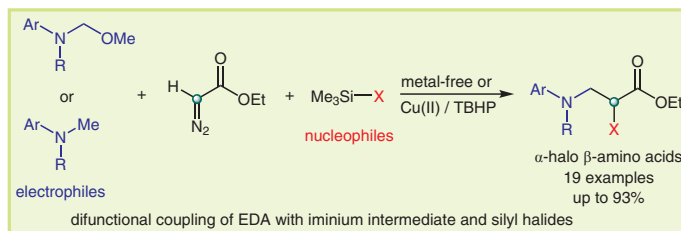
Y. Ogiwara

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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



Synthesis

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

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Y. Pu

X. Xu*

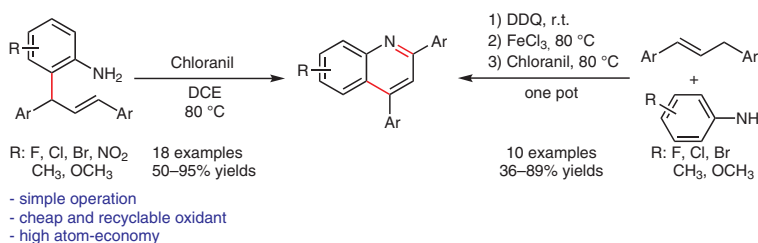
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Synthesis of 2,4-Diarylquinoline Derivatives via Chloranil-Promoted Oxidative Annulation and One-Pot Reaction

Paper

1833



Synthesis

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

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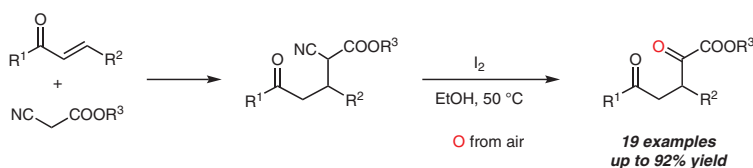
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Unexpected Iodine-Promoted Aerobic Oxidation of α -Cyano- δ -keto Esters: A Facile Synthesis of α,δ -Dicarbonyl Esters

Paper

1841



- metal-free
- air as the oxidant
- ethanol as the solvent
- good to excellent yields
- good functional group tolerance

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

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