

Synthesis

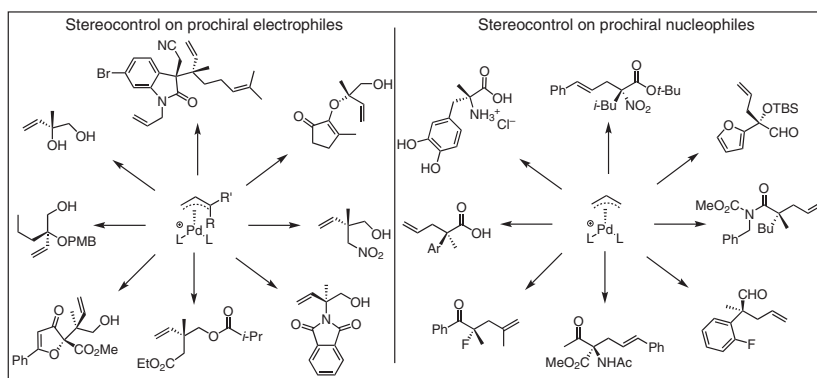
Synthesis 2019, 51, 1–30
DOI: 10.1055/s-0037-1610386

B. M. Trost*
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Stanford University, USA

Palladium-Catalyzed Asymmetric Allylic Alkylation Strategies for the Synthesis of Acyclic Tetrasubstituted Stereocenters

Review

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Synthesis

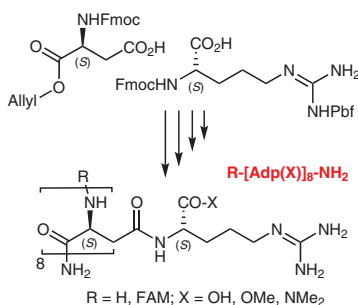
Synthesis 2019, 51, 31–39
DOI: 10.1055/s-0037-1610202

M. Grogg
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Syntheses of Cyanophycin Segments for Investigations of Cell-Penetration

Paper

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Synthesis

Synthesis **2019**, *51*, 40–54
DOI: 10.1055/s-0037-1611066

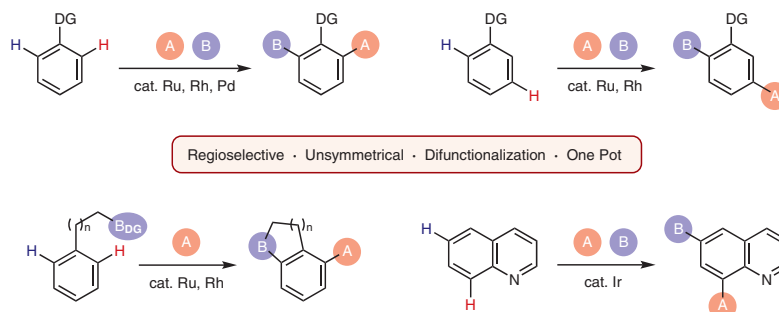
M. Murai*
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Unsymmetrical Difunctionalization of Two Different C–H Bonds in One Pot Under Transition-Metal Catalysis

Short Review

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Synthesis

Synthesis **2019**, *51*, 55–66
DOI: 10.1055/s-0037-1610368

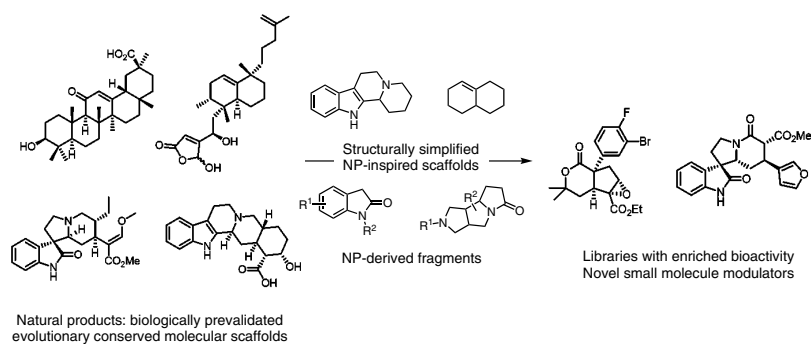
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Guided by Evolution: Biology-Oriented Synthesis of Bioactive Compound Classes

Short Review

55



Synthesis

Synthesis **2019**, *51*, 67–82
DOI: 10.1055/s-0037-1610382

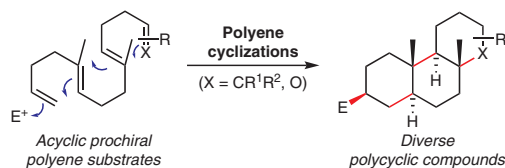
A. G. M. Barrett*
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Recent Developments in Polyene Cyclizations and Their Applications in Natural Product Synthesis

Short Review

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Synthesis

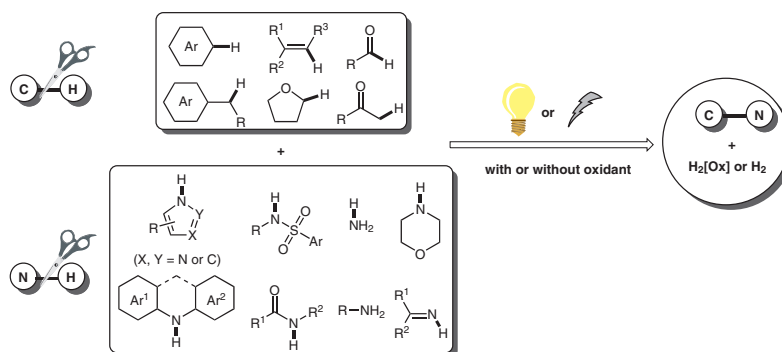
Synthesis **2019**, *51*, 83–96
DOI: 10.1055/s-0037-1610380

H. Zhang
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Electrochemical/Photochemical Aminations Based on Oxidative Cross-Coupling between C–H and N–H

Short Review

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Synthesis

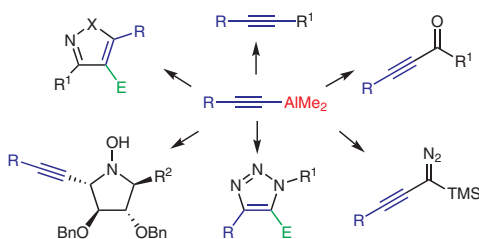
Synthesis **2019**, *51*, 97–106
DOI: 10.1055/s-0037-1610392

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Synthesis and Reactivity of Mixed Dimethylalkynylaluminum Reagents

Short Review

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Synthesis

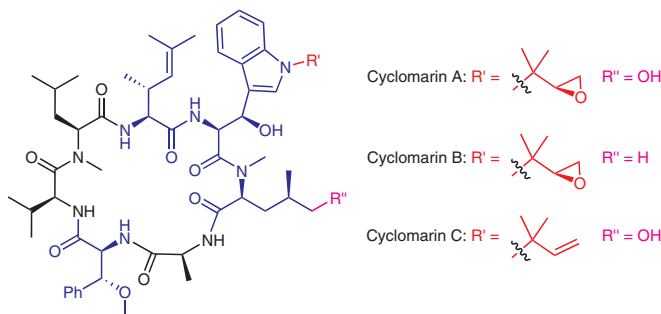
Synthesis **2019**, *51*, 107–121
DOI: 10.1055/s-0037-1610377

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Syntheses of Cyclomarins – Interesting Marine Natural Products with Distinct Mode of Action towards Malaria and Tuberculosis

Short Review

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Synthesis

Synthesis **2019**, *51*, 122–134
DOI: 10.1055/s-0037-1610379

X. Wu

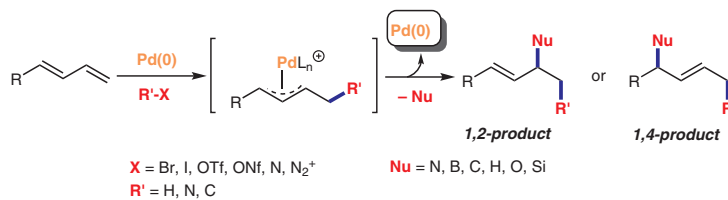
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Palladium(0)-Catalyzed Difunctionalization of 1,3-Dienes: From Racemic to Enantioselective

Short Review

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Synthesis

Synthesis **2019**, *51*, 135–145
DOI: 10.1055/s-0037-1610397

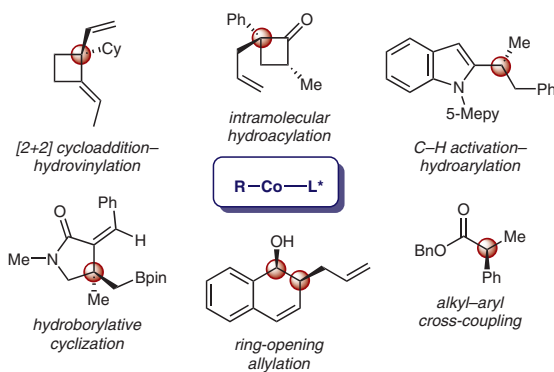
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Recent Advances in Enantioselective C–C Bond Formation via Organocobalt Species

Short Review

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Synthesis

Synthesis **2019**, *51*, 146–160
DOI: 10.1055/s-0037-1610396

W. Erb*

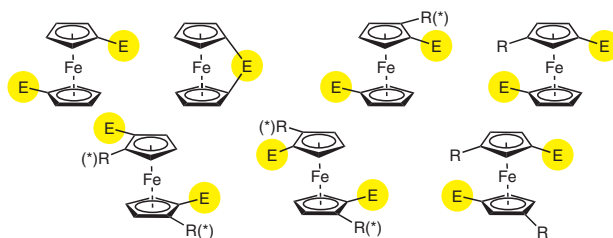
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Twofold Ferrocene C–H Lithiations For One-Step Difunctionalizations

Short Review

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Synthesis

Synthesis **2019**, *51*, 161–177
DOI: 10.1055/s-0037-1610393

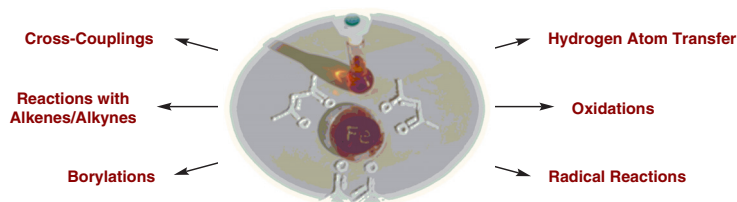
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Tris(acetylacetonato) Iron(III): Recent Developments and Synthetic Applications

Short Review

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Synthesis

Synthesis **2019**, *51*, 178–184
DOI: 10.1055/s-0037-1611358

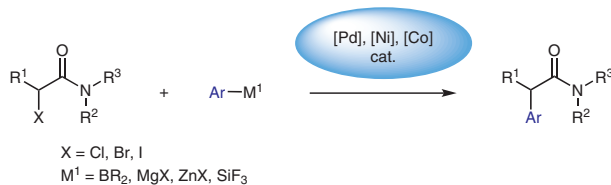
E. Barde
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 α -Arylation of Amides from α -Halo Amides Using Metal-Catalyzed Cross-Coupling Reactions

Short Review

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Synthesis

Synthesis **2019**, *51*, 185–193
DOI: 10.1055/s-0037-1610412

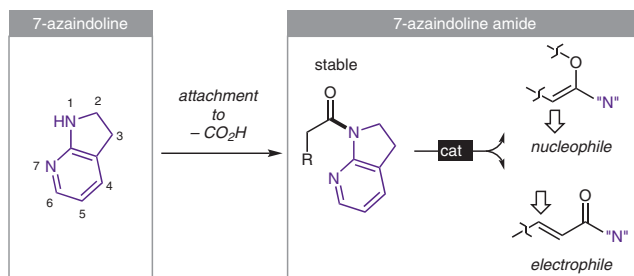
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7-Azaindoline Auxiliary: A Versatile Attachment Facilitating Enantioselective C–C Bond-Forming Catalysis

Short Review

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Synthesis

Synthesis **2019**, *51*, 194–202
DOI: 10.1055/s-0037-1610411

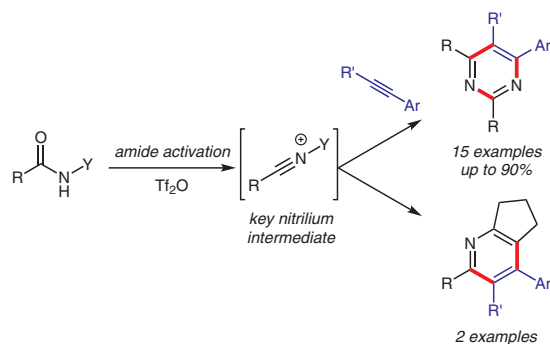
T. Stopka
P. Adler
G. Hagn
H. Zhang
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Electrophilic Activation of Amides for the Preparation of Poly-substituted Pyrimidines

Feature

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Synthesis

Synthesis **2019**, *51*, 203–212
DOI: 10.1055/s-0037-1610391

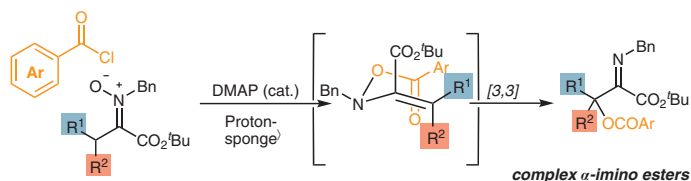
S. L. Bartlett
K. M. Keiter
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Formation of Complex α -Imino Esters via Multihetero-Cope Rearrangement of α -Keto Ester Derived Nitrones

Feature

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Synthesis

Synthesis **2019**, *51*, 213–224
DOI: 10.1055/s-0037-1610395

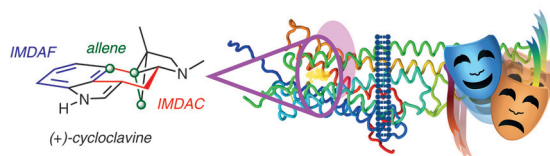
S. R. McCabe
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Asymmetric Total Synthesis and Biological Evaluation of (+)-Cycloclavine

Feature

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Synthesis

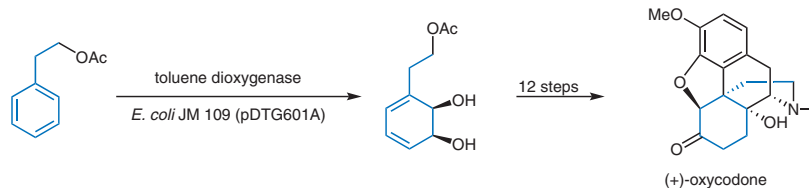
Synthesis **2019**, *51*, 225–232
DOI: 10.1055/s-0037-1611335

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Chemoenzymatic Total Synthesis of (+)-Oxycodone from Phenethyl Acetate

Feature

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Synthesis

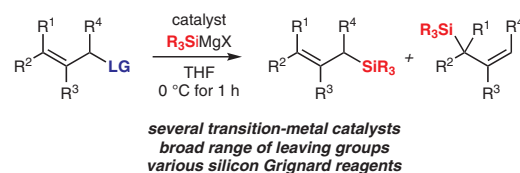
Synthesis **2019**, *51*, 233–239
DOI: 10.1055/s-0037-1610309

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Silicon Grignard Reagents as Nucleophiles in Transition-Metal-Catalyzed Allylic Substitution

Feature

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Synthesis

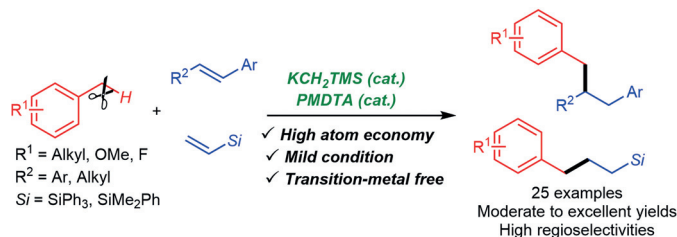
Synthesis **2019**, *51*, 240–250
DOI: 10.1055/s-0037-1610378

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Alkylpotassium-Catalyzed Benzylic C–H Alkylation of Alkylarenes with Alkenes

Feature

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Synthesis

Continuous Flow Chlorination of Alkenyl Iodides Promoted by Copper Tubing

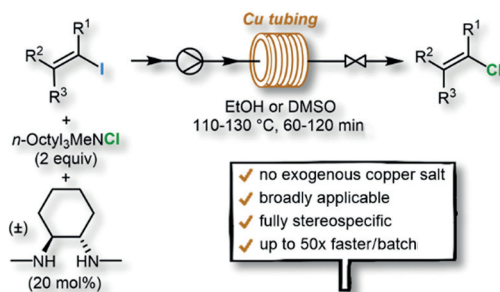
Feature

251

Synthesis **2019**, *51*, 251–257
DOI: 10.1055/s-0037-1610398

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H. Lebel*
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Synthesis

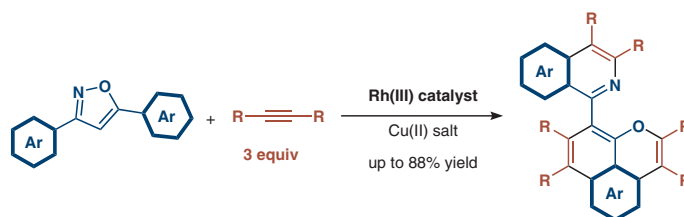
Rhodium-Catalyzed Cascade Annulative Coupling of 3,5-Diaryl-isoxazoles with Alkynes

Paper

258

Synthesis **2019**, *51*, 258–270
DOI: 10.1055/s-0037-1610376

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Synthesis

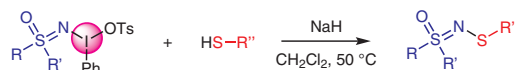
Electrophilic Sulfoximidations of Thiols by Hypervalent Iodine Reagents

Paper

271

Synthesis **2019**, *51*, 271–275
DOI: 10.1055/s-0037-1610369

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D. Zhang
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Synthesis

Enantioselective Electrochemical Lactonization Using Chiral Iodoarenes as Mediators

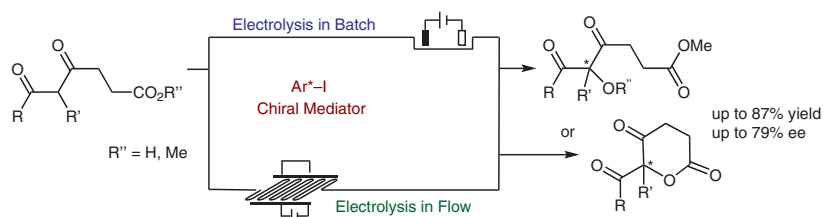
Paper

276

Synthesis 2019, 51, 276–284
DOI: 10.1055/s-0037-1610373

W.-C. Gao
Z.-Y. Xiong
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Synthesis

Synthesis of the C1–C12 Fragment of Calyculin C

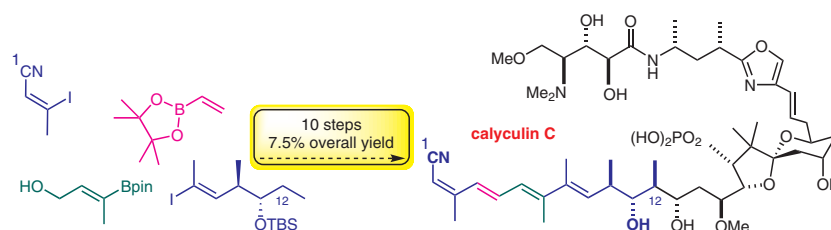
Paper

285

Synthesis 2019, 51, 285–295
DOI: 10.1055/s-0037-1610387

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Synthesis

Diastereoselectivities in Reductions of α -Alkoxy Ketones Are Not Always Correlated to Chelation-Induced Rate Acceleration

Paper

296

Synthesis 2019, 51, 296–302
DOI: 10.1055/s-0037-1610381

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