

Synthesis

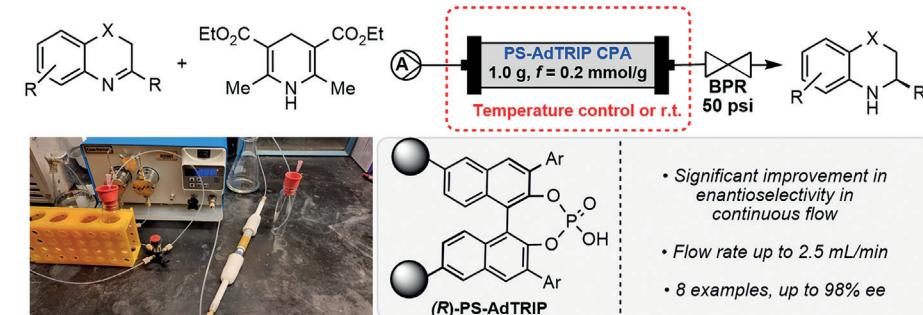
Reviews and Full Papers in Chemical Synthesis

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Special Issue

dedicated to Prof. David A. Evans

Editors: Corinna Schindler, Mark Lautens



Asymmetric Transfer Hydrogenation of Heterocyclic Compounds in Continuous Flow Using an Immobilized Chiral Phosphoric Acid as the Catalyst

O. Zhelavskyi, Y.-J. Jhang, P. Nagorny

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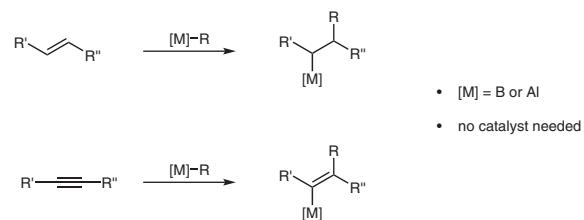
Synthesis

Synthesis 2023, 55, 2261–2272
DOI: 10.1055/s-0042-1751362

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Uncatalyzed Carbometallation Involving Group 13 Elements: Carboration and Carboalumination of Alkenes and Alkynes

Short Review
2261



Synthesis

Synthesis 2023, 55, 2273–2284
DOI: 10.1055/a-2004-1228

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Chemistry and Biology of Acyloin Natural Products

Short Review
2273



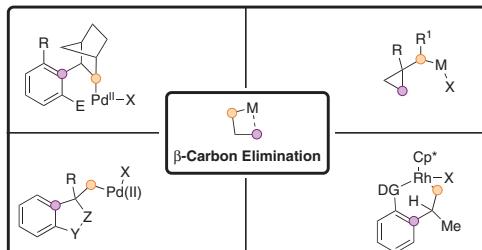
Synthesis 2023, 55, 2285–2303
DOI: 10.1055/a-2017-4868

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Synthesis 2023, 55, 2304–2310
DOI: 10.1055/a-2085-4089

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5-6 steps from furfural
34-54% overall yield

R = H, nPr, nPent, nHept; R¹ = H
R = Acyl, R¹ = Me (gibepyrone F)

Synthesis 2023, 55, 2311–2318
DOI: 10.1055/s-0042-1751442

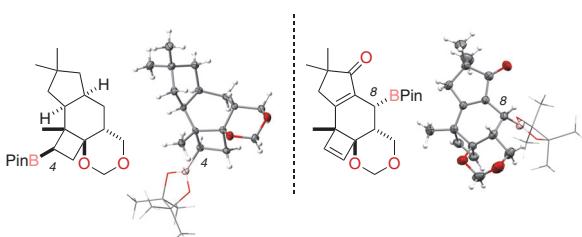
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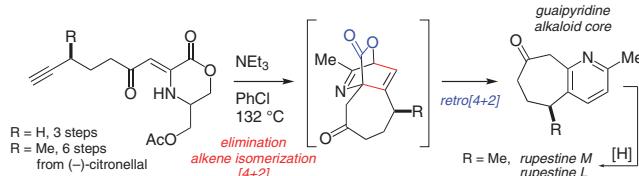


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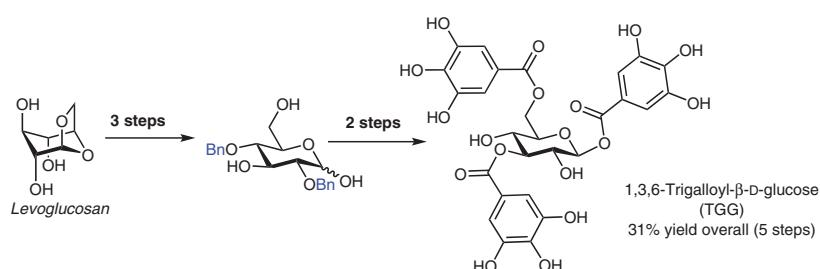


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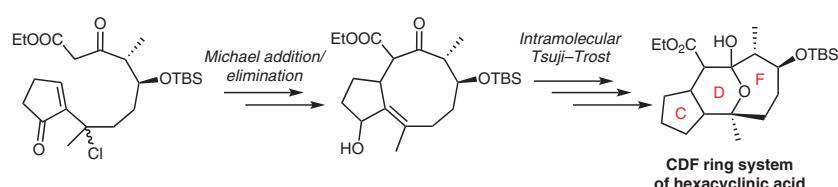
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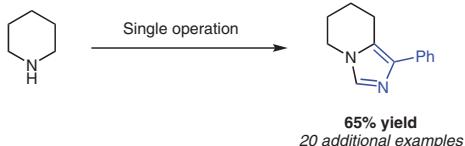
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Synthesis

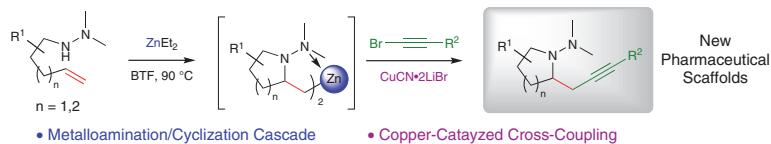
Synthesis 2023, 55, 2370–2376
DOI: 10.1055/s-0042-1751467

On the Copper(I)-Catalyzed Cross-Coupling of 1-Bromoalkynes with N-Heterocyclic Organozinc Reagents: Substrate Scope and Catalyst Evaluation**Paper**

2370

C. Frabitore**T. Livinghouse***

Montana State University, USA



14 Examples with 5 R Groups | Up To 92% Yield | Scalability | Wide Functional Group Tolerance

Synthesis

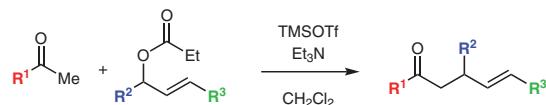
Synthesis 2023, 55, 2377–2389
DOI: 10.1055/a-1959-2505

One-Pot Enol Silane Formation–Allylation of Ketones Promoted by Trimethylsilyl Trifluoromethanesulfonate**Paper**

2377

E. D. Heafner**X. Lin****A. H. Connors****H. Zhong****R. J. Coyle****Y. Liu****C. W. Downey***

University of Richmond, USA



22 examples
39–99% yield

Synthesis

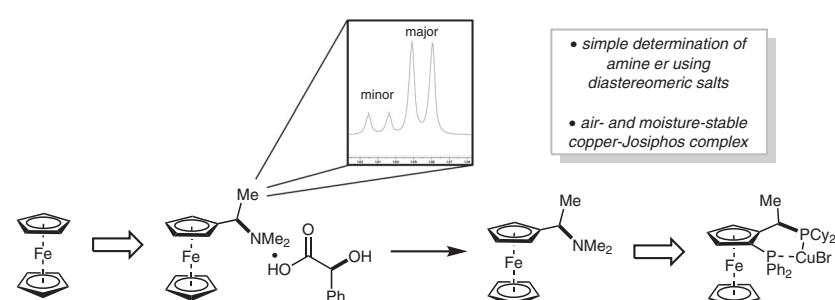
Synthesis 2023, 55, 2390–2396
DOI: 10.1055/s-0042-1751393

Simplified Synthesis of an Air-Stable Copper-Complexed Josiphos Ligand via Ugi's Amine: Complete Preparation and Analysis from Ferrocene**Paper**

2390

E. C. Murphy**J. S. Johnson***

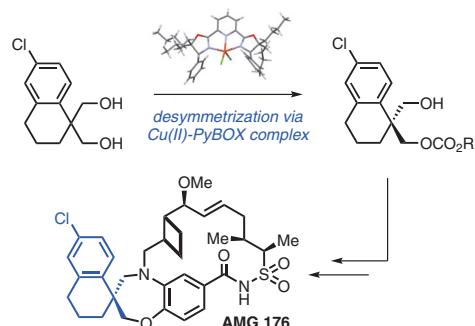
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Synthesis 2023, 55, 2397–2405
DOI: 10.1055/a-1989-2633

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Synthesis 2023, 55, 2406–2414
DOI: 10.1055/a-2004-1093

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