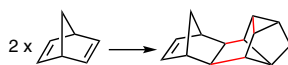


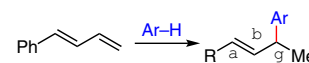
Editorial
written by Benjamin List

Includes Editorial Board Cluster Articles

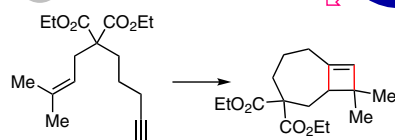
Rh Homo Diels–Alder



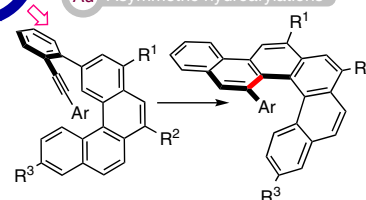
Rh Diene hydroarylation



Au [2+2] cycloadditions



Au Asymmetric hydroarylations



α -Cationic Phosphines:
from Curiosities to Powerful Ancillary Ligands

C. J. Rugen, M. Alcarazo

Synlett

Confining the Inner Space of Strained Carbon Nanorings

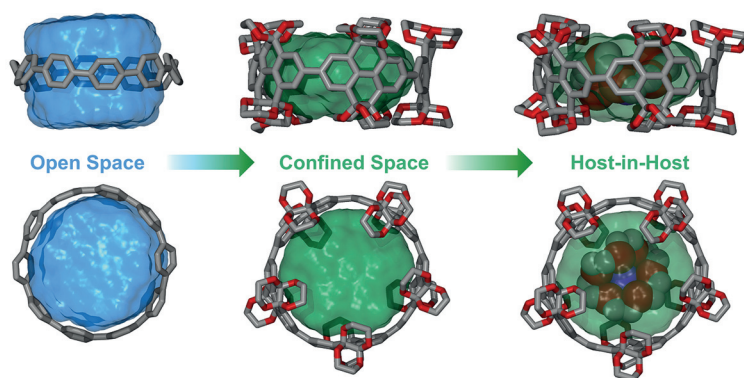
Synfacts

1

Synlett 2022, 33, 1–7
DOI: 10.1055/s-0040-1719853

N. Grabicki
O. Dumele*

Humboldt Universität zu Berlin,
Germany



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Recent Progress in Synthesizing Polyethers by Use of Organocatalysts

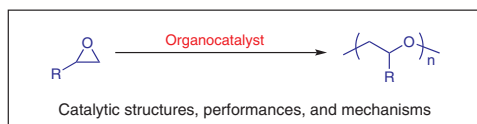
Synfacts

8

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DOI: 10.1055/a-1679-7959

Y.-Y. Zhang
G.-W. Yang
G.-P. Wu*

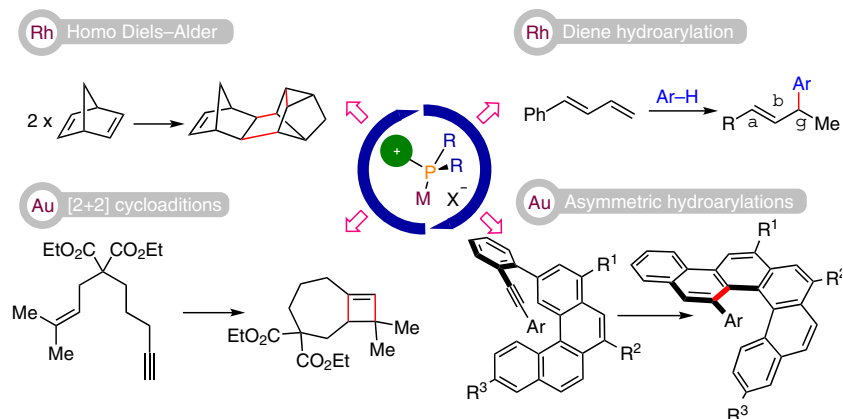
Zhejiang University, P. R. of
China



C. J. Rugen
M. Alcarazo*Georg-August-Universität
Göttingen, Germany α -Cationic Phosphines: from Curiosities to Powerful Ancillary Ligands

Account

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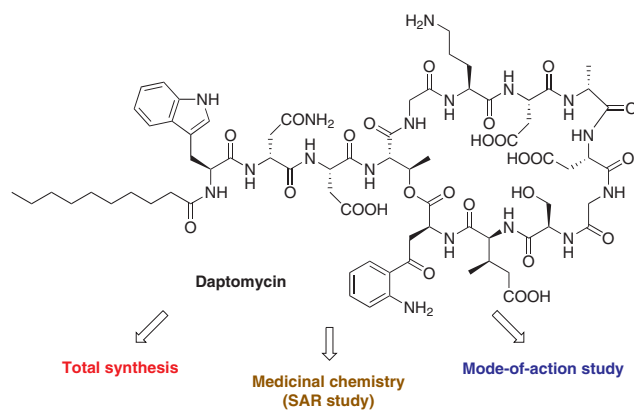
X. Li

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China

Long Journey on Daptomycin

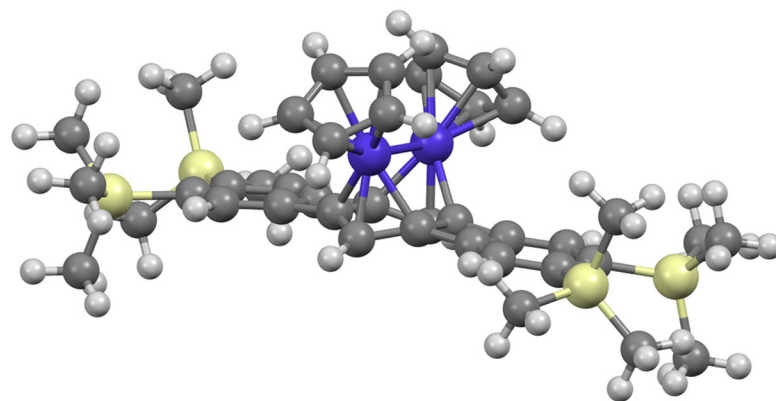
Account

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R. Padilla
K. P. Vollhardt*
K. N. Houk
J. J. WongUniversity of California at Berke-
ley, USABis(η^5 -cyclopentadienyl)[μ -(4b,5,5a- η^3 :9b,10,10a- η^3)-2,3,7,8-tetrakis(trimethylsilyl)benzo[3,4]cyclobuta[1,2-*b*]biphenylene]-syn-di-cobalt (Co–Co), a Dinuclear π -Complex of the Linear [3]Phenylene Framework

Cluster

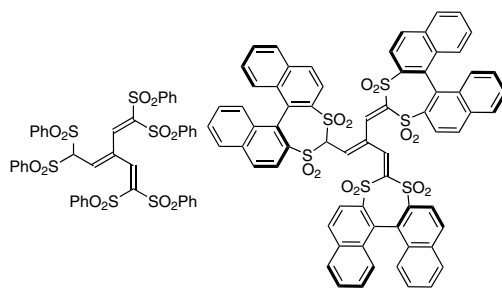
34



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DOI: 10.1055/a-1705-9786

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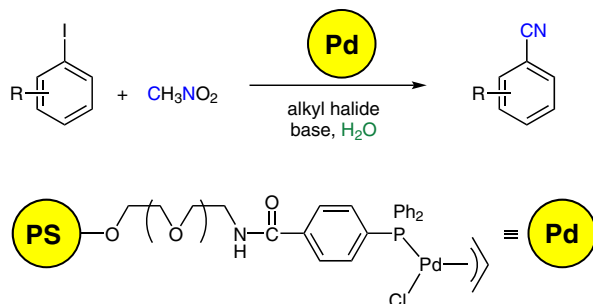
Max-Planck-Institut für Kohlen-
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DOI: 10.1055/a-1675-0018

T. Suzuka
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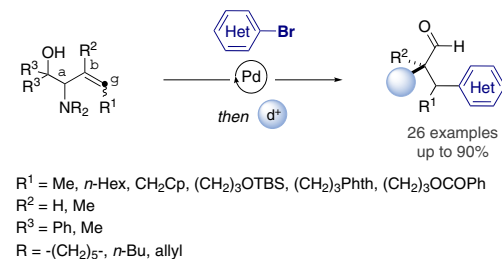
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Synlett 2022, 33, 45–47
DOI: 10.1055/a-1695-4516

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DOI: 10.1055/a-1659-6521

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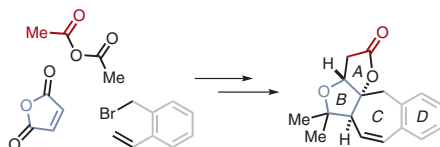
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Diastereoselective Synthesis of the ABCD Ring System of Rubriflorldilactone B

Cluster

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Synlett 2022, 33, 52–56
DOI: 10.1055/a-1699-4766

M. Sau

M. A. Pericàs*

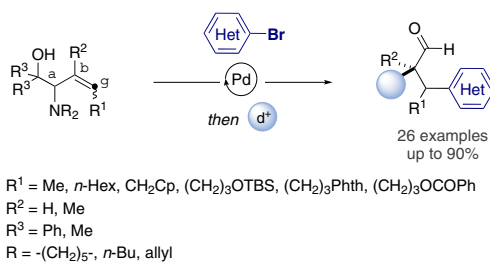
R. Martín*

Institute of Chemical Research of
Catalonia (ICIQ), the Barcelona
Institute of Science and Technol-
ogy (BIST) and Universitat de
Barcelona, Spain

Pd-Catalyzed Arylation of 1,2-Amino Alcohol Derivatives via β -Carbon Elimination

Cluster

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Synlett 2022, 33, 57–61
DOI: 10.1055/a-1661-3152

M. Kawase

K. Matsuoka

T. Shinagawa

G. Hamasaka

Y. Uozumi

O. Shimomura

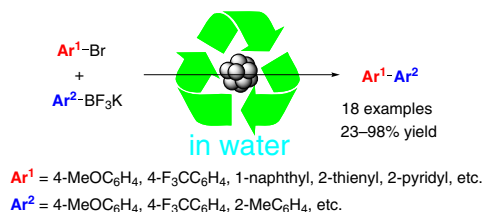
A. Ohtaka*

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Japan

Suzuki–Miyaura Cross-Coupling Reaction with Potassium Aryltrifluoroborate in Pure Water Using Recyclable Nanoparticle Catalyst

Letter

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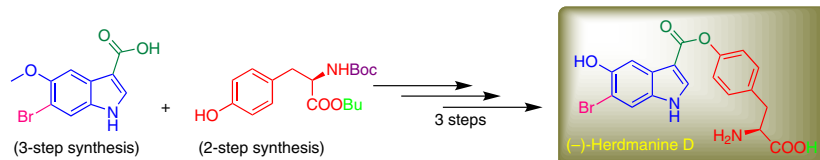
Synlett 2022, 33, 62–65
DOI: 10.1055/a-1672-3000

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First Total Synthesis of the Marine-Derived Anti-inflammatory Natural Product (–)-Herdmanine D through a Steglich Esterification

Letter

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Highlights:

- total 8 steps, overall 18% yield
- highly efficient, scalable total synthesis
- regioselective synthesis
- rare 6-bromo-5-hydroxyindole moiety synthesized

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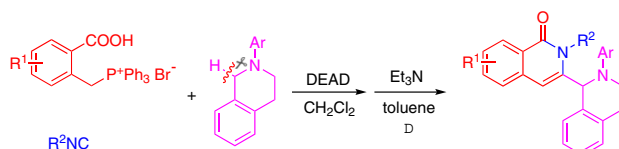
Synlett 2022, 33, 66–69
DOI: 10.1055/a-1661-3378

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One-Pot Synthesis of 3-(1,2,3,4-Tetrahydroisoquinolin-1-yl)-isoquinolin-1(2H)-ones by DEAD-Promoted Oxidative Ugi–Wittig Reaction Starting from Phosphonium Salt Precursors

Letter

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- DEAD as an efficient metal-free oxidant
- Simple operation, mild reaction conditions
- A first example of oxidative Ugi–Wittig sequence starting from phosphonium salt precursors

18 examples
53–84% yields

Synlett

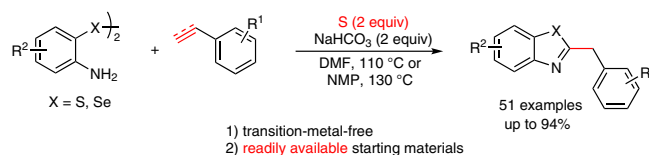
Synlett 2022, 33, 70–75
DOI: 10.1055/a-1665-8562

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S₈-Mediated Cyclization of Bis(2-aminophenyl) Disulfide/Diselenide with Arylacetylenes/Styrenes: Access to 2-(Arylmethyl)-1,3-benzothiazoles/benzoselenazoles

Letter

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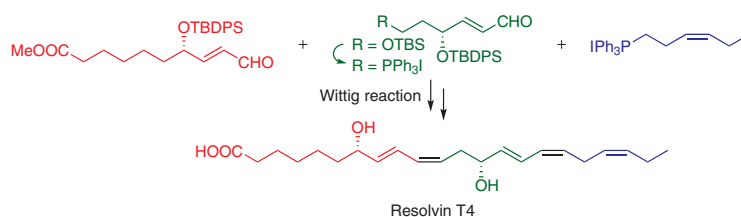


- 1) transition-metal-free
- 2) readily available starting materials

51 examples
up to 94%

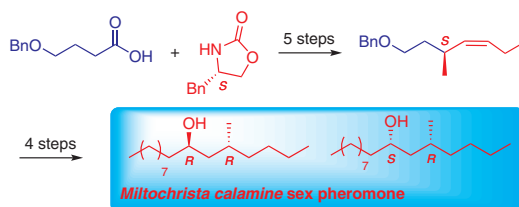
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DOI: 10.1055/s-0040-1719855

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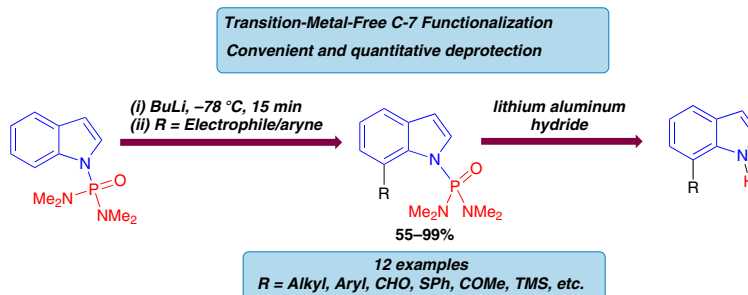
Synlett 2022, 33, 80–83
DOI: 10.1055/s-0040-1719835

G. Yuan
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Synlett 2022, 33, 84–87
DOI: 10.1055/a-1666-9533

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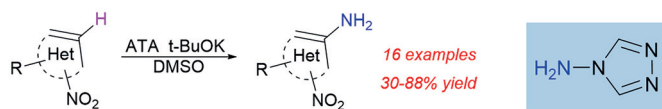
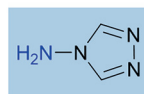


C–H Amination of Nitro Azaheterocyclic Compounds by Vicarious
Nucleophilic Substitution

Letter

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Direct C–H amination via a VNS route

Heteroarenes = pyrazole, triazole, indazole, benzothiazole,
and pyrazolo[5,4-b]pyridine

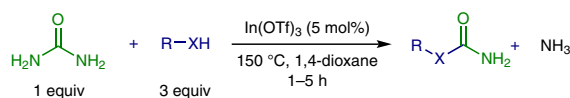
ATA

- ◆ Only one-step reaction
- ◆ Moderate to excellent yield
- ◆ Good regioselectivity
- ◆ Amination reagent used is inexpensive, commercially available and less toxic
- ◆ Mild reaction conditions and simple operation
- ◆ Reaction time is very short, only 2–4 h
- ◆ No additional catalysts or reagents
- ◆ Nucleophilic amination complementary to electrophilic amination

Indium(III)-Catalyzed Synthesis of Primary Carbamates and
N-Substituted Ureas

Letter

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- Readily available starting materials
- Nontoxic catalyst
- High atom economy
- Short reaction times
- Good to excellent yields

Palladium-Catalyzed [1,3]-O-to-N Rearrangement of Allylic Imidates

Letter

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