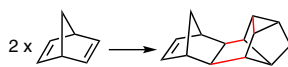


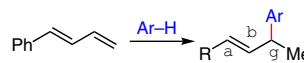
Editorial
written by Benjamin List

Includes Editorial Board Cluster Articles

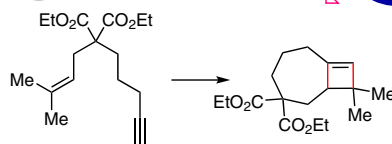
Rh Homo Diels–Alder



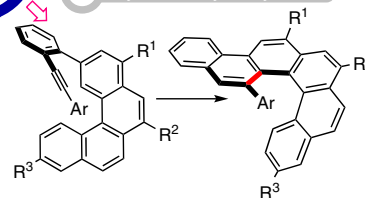
Rh Diene hydroarylation



Au [2+2] cycloadditions



Au Asymmetric hydroarylations



α -Cationic Phosphines:
from Curiosities to Powerful Ancillary Ligands

C. J. Rugen, M. Alcarazo

1

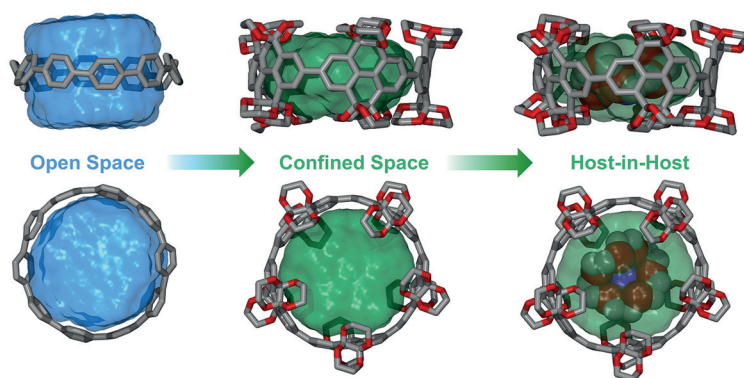
Synlett

Confining the Inner Space of Strained Carbon Nanorings

Synfacts

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

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1

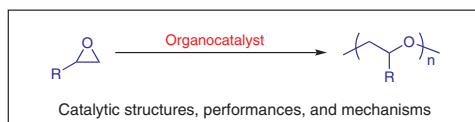
Synlett

Recent Progress in Synthesizing Polyethers by Use of Organocatalysts

Synfacts

Synlett 2022, 33, 8–15
DOI: 10.1055/a-1679-7959

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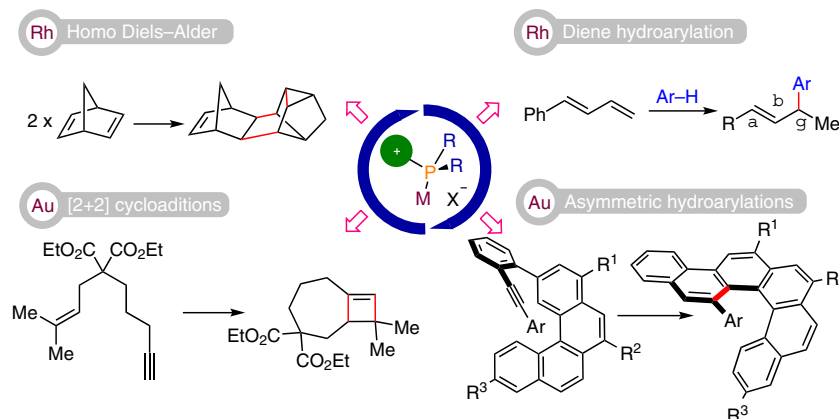


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Synlett 2022, 33, 16–26
DOI: 10.1055/s-0037-1610782

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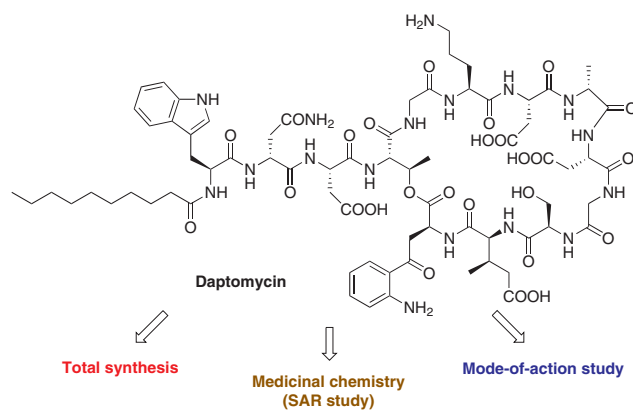
Georg-August-Universität
Göttingen, Germany



Synlett 2022, 33, 27–33
DOI: 10.1055/a-1662-7783

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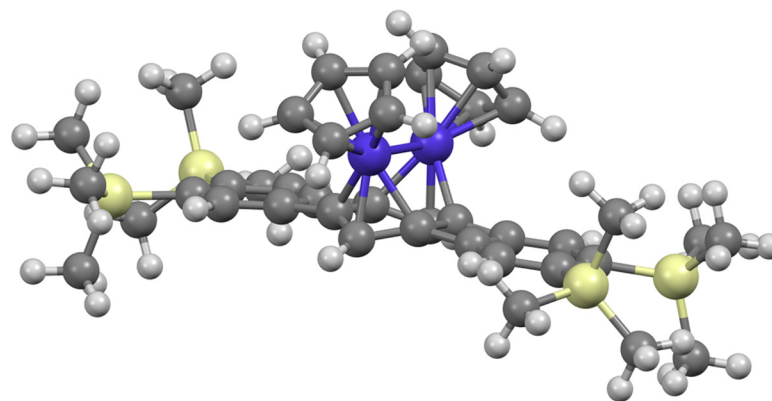
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Synlett 2022, 33, 34–37
DOI: 10.1055/a-1659-7656

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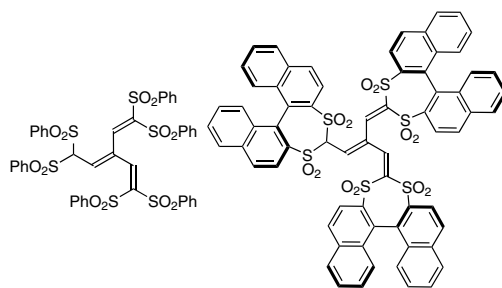


Synlett 2022, 33, 38–39
DOI: 10.1055/a-1705-9786

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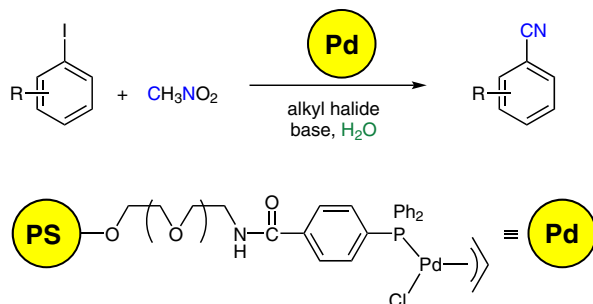


Synlett 2022, 33, 40–44
DOI: 10.1055/a-1675-0018

40

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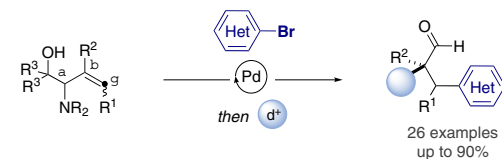


Synlett 2022, 33, 45–47
DOI: 10.1055/a-1695-4516

45

D. Höfler
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I. Leito
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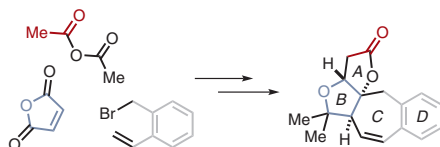
Max-Planck-Institut für Kohlen-
forschung, Germany



R¹ = Me, *n*-Hex, CH₂Cp, (CH₂)₃OTBS, (CH₂)₃Phth, (CH₂)₃OCOPh
R² = H, Me
R³ = Ph, Me
R = -(CH₂)₅-, *n*-Bu, allyl

Synlett 2022, 33, 48–51
DOI: 10.1055/a-1659-6521

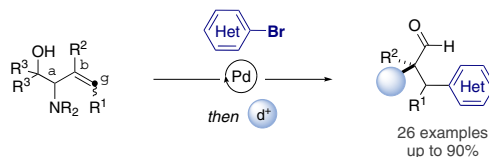
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Synlett 2022, 33, 52–56
DOI: 10.1055/a-1699-4766

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R¹ = Me, *n*-Hex, CH₂Cp, (CH₂)₃OTBS, (CH₂)₃Phth, (CH₂)₃OCOPh
R² = H, Me
R³ = Ph, Me
R = -(CH₂)₅-, *n*-Bu, allyl

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

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K. Matsuoka
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Ar¹ = 4-MeOC₆H₄, 4-F₃CC₆H₄, 1-naphthyl, 2-thienyl, 2-pyridyl, etc.
Ar² = 4-MeOC₆H₄, 4-F₃CC₆H₄, 2-MeC₆H₄, etc.

Synlett

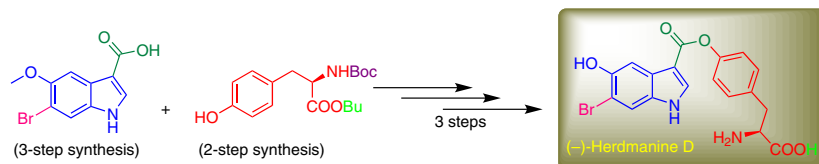
Synlett 2022, 33, 62–65
DOI: 10.1055/a-1672-3000

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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

Synlett

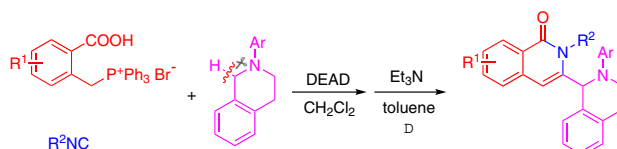
Synlett 2022, 33, 66–69
DOI: 10.1055/a-1661-3378

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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

66



- 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

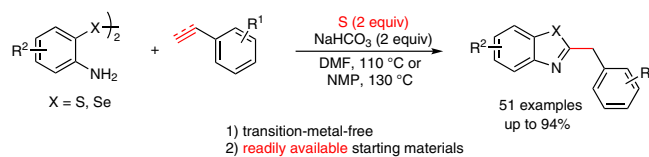
Synlett 2022, 33, 70–75
DOI: 10.1055/a-1665-8562

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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

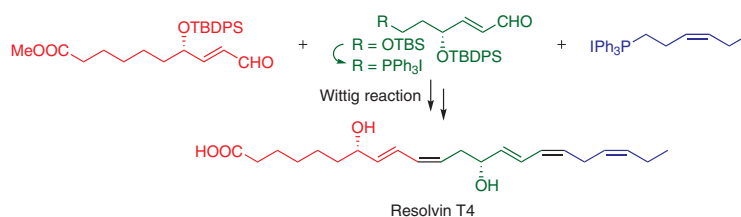
70



51 examples
up to 94%

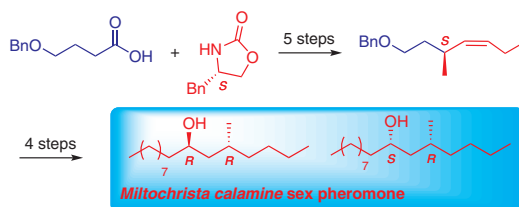
Synlett 2022, 33, 76–79
DOI: 10.1055/s-0040-1719855

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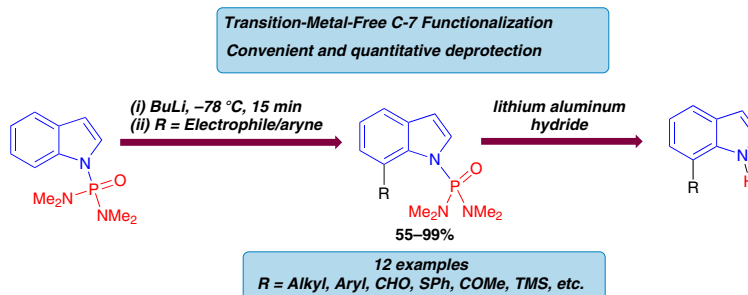
Synlett 2022, 33, 80–83
DOI: 10.1055/s-0040-1719835

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

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Synlett 2022, 33, 88–92
DOI: 10.1055/a-1672-7285

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Direct C–H amination via a VNS route



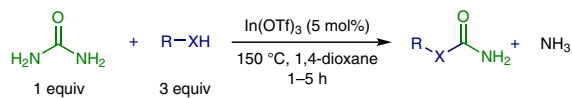
Heteroarenes = pyrazole, triazole, indazole, benzothiazole, and pyrazolo[5,4-b]pyridine

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

Synlett 2022, 33, 93–97
DOI: 10.1055/s-0040-1720927

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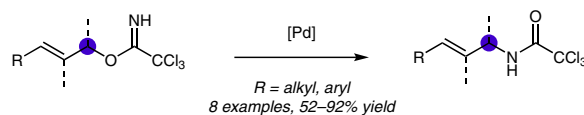
X = O, NH
R = alkyl, aryl

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

Synlett 2022, 33, 98–102
DOI: 10.1055/s-0041-1737140

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R = alkyl, aryl
8 examples, 52–92% yield