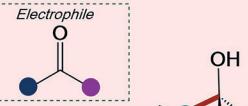
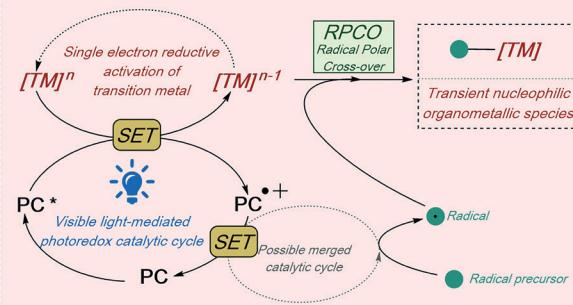


Synthesis

Reviews and Full Papers in Chemical Synthesis

November 16, 2023 • Vol. 55, 3701–3874

Nucleophilic organometallic reagents by photoredox catalysis



Developing Organometallic Nucleophilic Reagents Via Photoredox Catalysis

A. Gualandi, F. Calogero, E. Pinosa, D. Corbisiero, P. G. Cozzi

22



Thieme

Synthesis

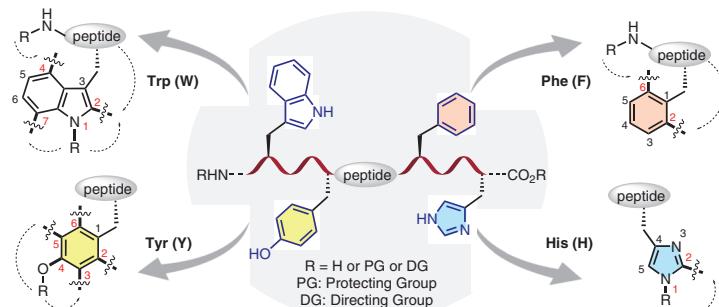
Synthesis 2023, 55, 3701–3724
DOI: 10.1055/a-2091-8062

S. Bhunia
M. Purushotham
G. Karan
B. Paul*
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Exploring Chemical Modifications of Aromatic Amino Acid Residues in Peptides

Review
3701



Synthesis

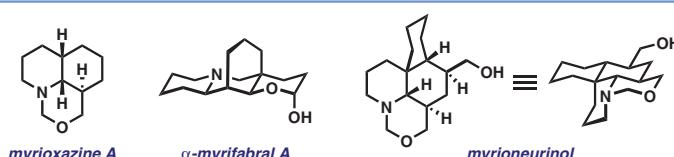
Synthesis 2023, 55, 3725–3736
DOI: 10.1055/a-2085-5934

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M. W. Smith*
UT Southwestern Medical Center, USA

Synthetic Studies toward the *Myrioneuron* Alkaloids

Short Review

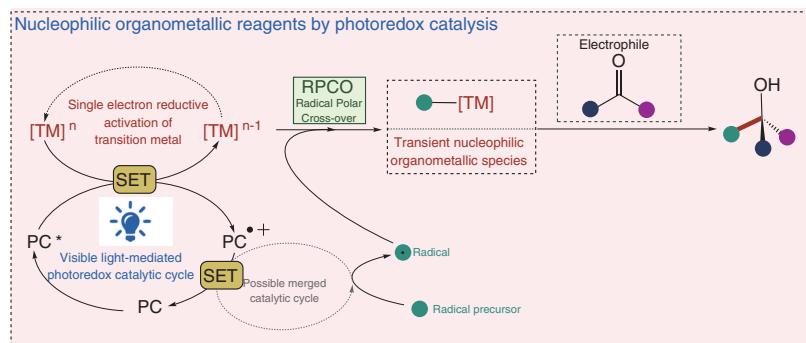
3725



Synthesis 2023, 55, 3737–3758
DOI: 10.1055/a-2107-4416

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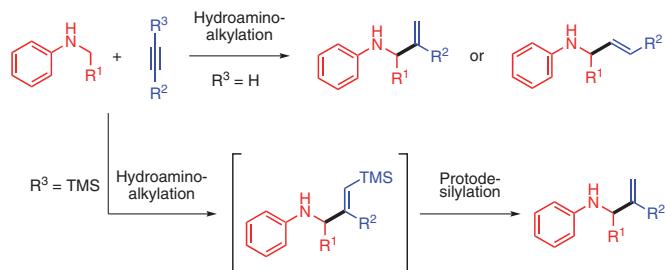
Alma Mater Studiorum - Università di Bologna, Italy



Synthesis 2023, 55, 3759–3776
DOI: 10.1055/a-2111-9910

H. Thye
F. Fornfeist
D. Geik
L. L. Schlüschen
M. Schmidtmann
S. Doye*

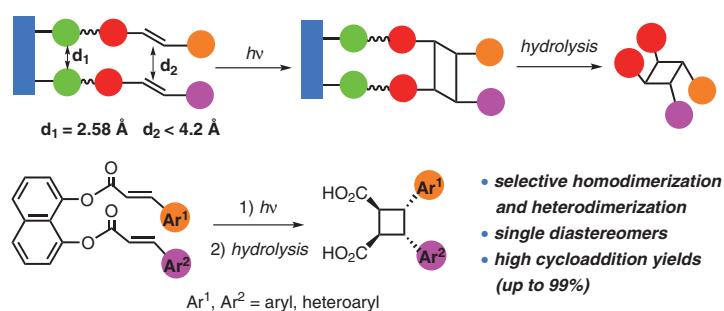
Universität Oldenburg, Germany



Synthesis 2023, 55, 3777–3792
DOI: 10.1055/a-2126-3774

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B. Munir
Y. Zorlu
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Synthesis

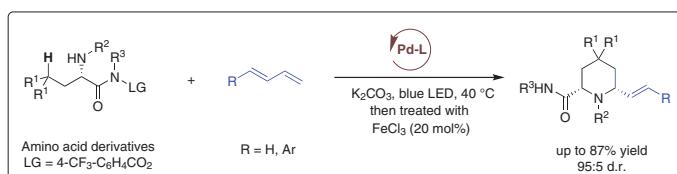
Synthesis 2023, 55, 3793–3798
DOI: 10.1055/a-2122-1573

A Photoinduced Palladium-Catalyzed Cascade Reaction for the Synthesis of Chiral Piperidines with Chiral Amino Acid Derivatives and 1,3-Dienes**Paper**

3793

S. Song**Y.-Z. Yin****Z.-Y. Han***

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**Synthesis**

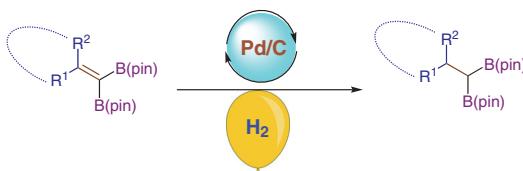
Synthesis 2023, 55, 3799–3808
DOI: 10.1055/a-2147-1336

Palladium/Charcoal-Catalysed Olefin Reduction for the Simple and Efficient Synthesis of Substituted *gem*-Diborylalkanes**Paper**

3799

K. K. Das**D. Ghorai****S. Mahato****S. Panda***

Indian Institute of Technology Kharagpur, India



✓ Broad scope, 24 examples, good to excellent yields
✓ Synthesis of various alkyl, aryl, heteroaryl *geminal* B(pin) derivatives
✓ Application to gram-scale synthesis and the formation of natural products

Synthesis

Synthesis 2023, 55, 3809–3824
DOI: 10.1055/s-0041-1738451

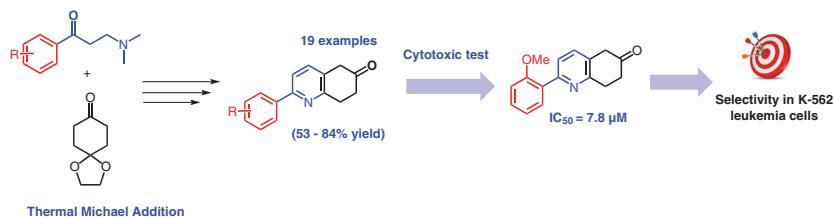
Synthesis and Cytotoxic Evaluation of 2-Aryl-7,8-dihydroquinolin-6(5*H*)-ones**Paper**

3809

D. D. Bautista**E. A. González*****R. M. Chávez Santos****M. T. Ramírez Apán****M. A. Vilchis Reyes****R. Martínez***

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 $\text{R} = \text{F}, \text{Cl}, \text{Br}, \text{OH}, \text{OMe}, \text{NO}_2, \text{CN}, \text{CF}_3, \text{Me}$ 

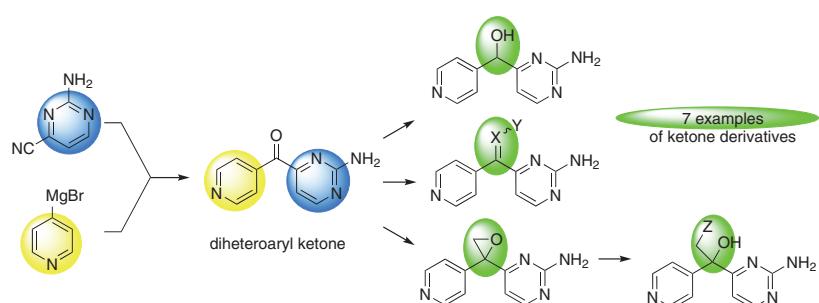
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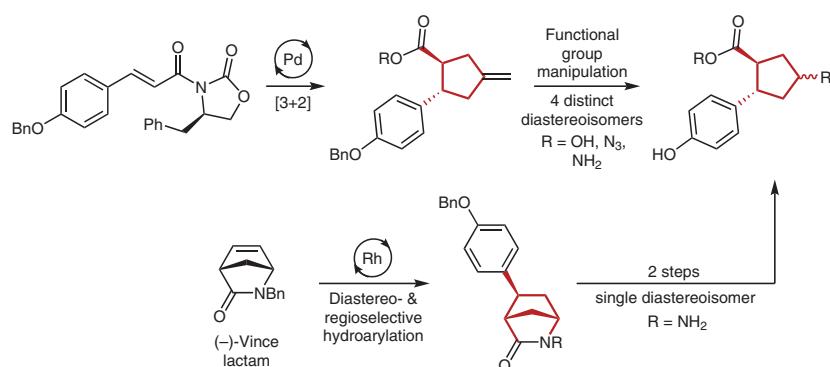
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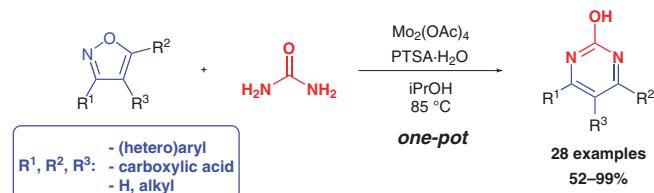
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Synthesis 2023, 55, 3851–3861
DOI: 10.1055/a-2122-3731

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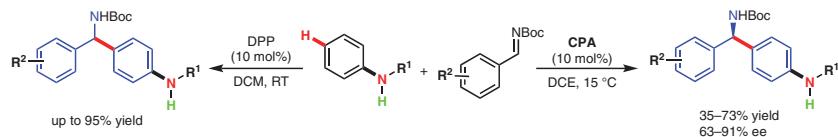
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Synthesis 2023, 55, 3862–3874
DOI: 10.1055/s-0042-1751464

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