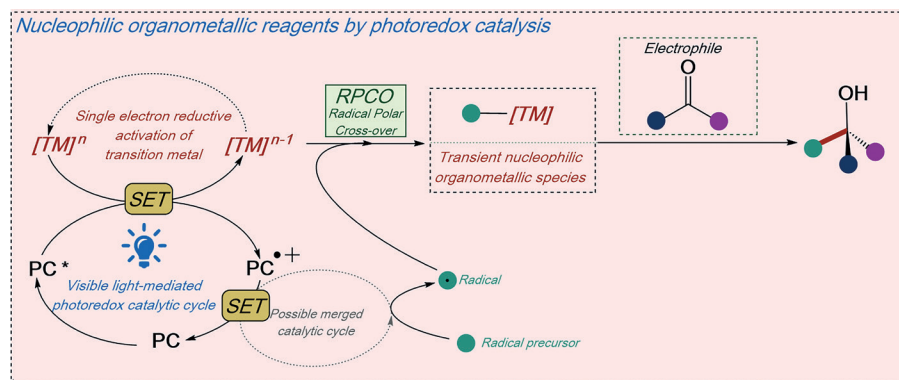


Synthesis

Reviews and Full Papers in Chemical Synthesis

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



Developing Organometallic Nucleophilic Reagents Via Photoredox Catalysis

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

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Synthesis

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

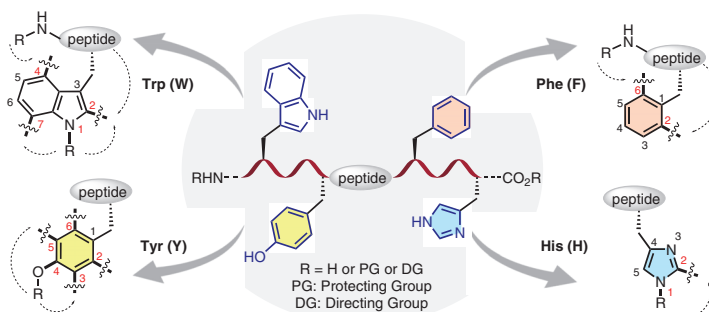
S. Bhunia
M. Purushotham
G. Karan
B. Paul*
M. S. Maji*

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Bangalore University, India

Exploring Chemical Modifications of Aromatic Amino Acid Residues in Peptides

Review

3701



Synthesis

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

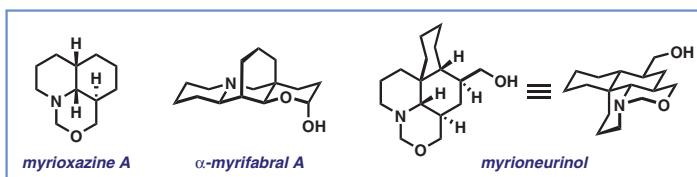
J. M. Aquilina
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Synthetic Studies toward the Myrioneuron Alkaloids

Short Review

3725



Synthesis

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

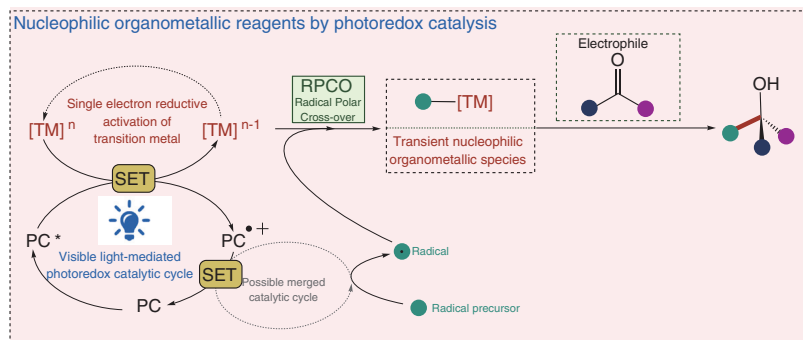
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Developing Organometallic Nucleophilic Reagents Via Photoredox Catalysis

Short Review

3737



Synthesis

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

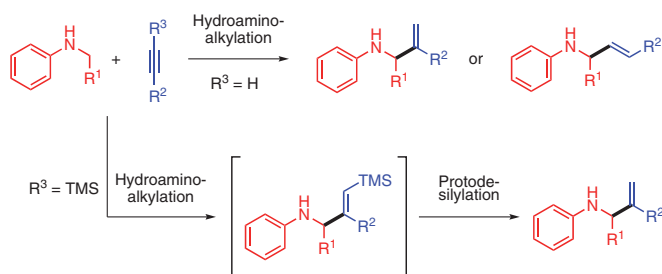
H. Thye
F. Fornfeist
D. Geik
L. L. Schlüschen
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Titanium-Catalyzed Intermolecular Hydroaminoalkylation of Terminal Alkynes

Feature

3759



Synthesis

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

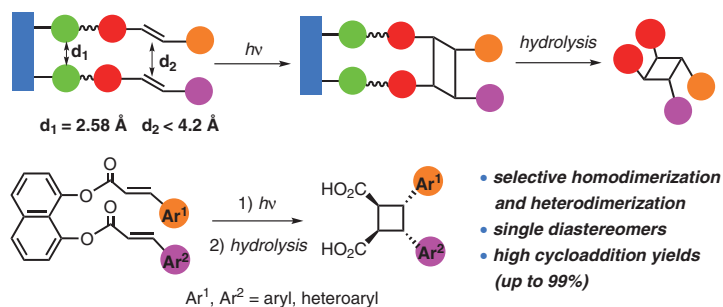
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B. Munir
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Access to Symmetrical and Unsymmetrical Cyclobutanes via Template-Directed [2+2]-Photodimerization Reactions of Cinnamic Acids

Feature

3777



Synthesis

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

S. Song

Y.-Z. Yin

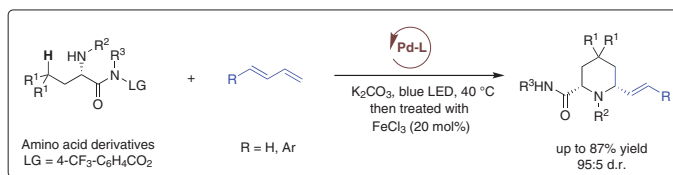
Z.-Y. Han*

University of Science and Technology of China, P. R. of China

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

Paper

3793



Synthesis

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

K. K. Das

D. Ghorai

S. Mahato

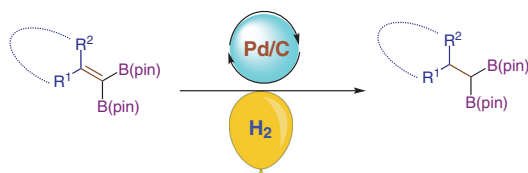
S. Panda*

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

Paper

3799



- ✓ 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

D. D. Bautista

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R. M. Chávez Santos

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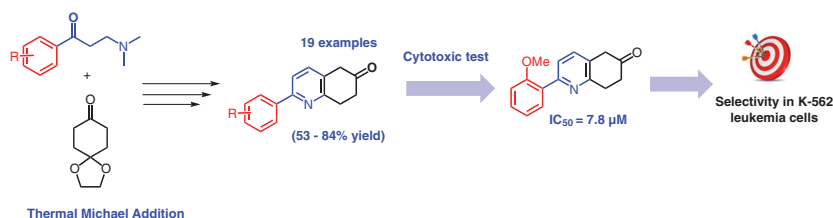
Universidad Nacional Autónoma
de México, México
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Synthesis and Cytotoxic Evaluation of 2-Aryl-7,8-dihydroquinolin-6(5H)-ones

Paper

3809

R = F, Cl, Br, OH, OMe, NO₂, CN, CF₃, Me



Synthesis

Synthesis 2023, 55, 3825–3832
DOI: 10.1055/a-2107-4571

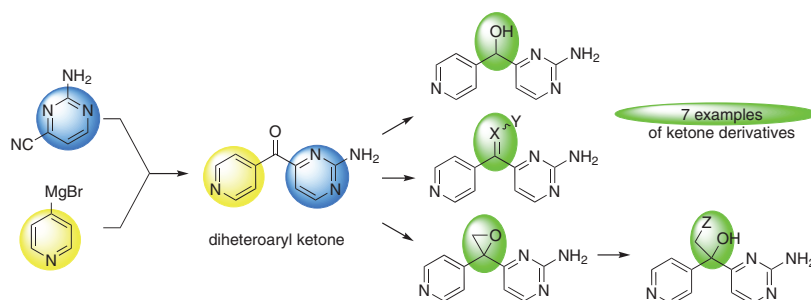
F. Giraud*
B. Josselin
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Synthesis of (2-Aminopyrimidin-4-yl)(pyridin-4-yl)methanone and Derivatives

Paper

3825



Synthesis

Synthesis 2023, 55, 3833–3840
DOI: 10.1055/s-0042-1751484

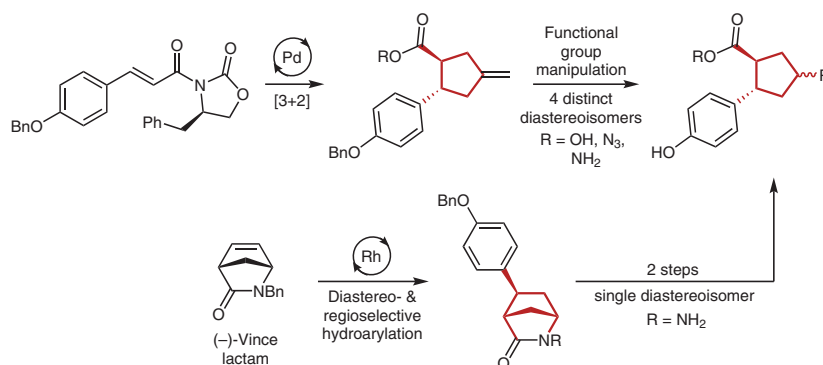
A. Dumas
D. Li
S. Bonert
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Conformationally Restricted Carbocyclic γ -Amino Acids: Synthesis of Diastereomeric 3-Amino-5-arylcyclopentane 1-Carboxylic Acids

Paper

3833



Synthesis

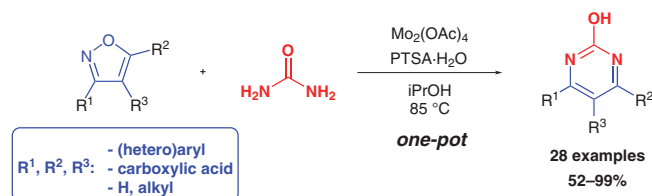
Synthesis 2023, 55, 3841–3850
DOI: 10.1055/a-2107-4492

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Molybdenum-Mediated One-Pot Synthesis of 2-Hydroxypyrimidines from Isoxazoles

Paper

3841



Synthesis

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

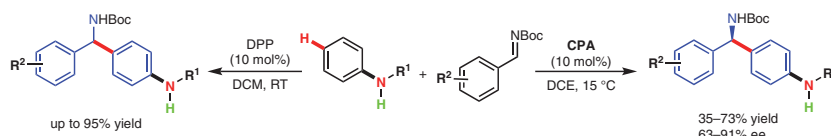
C.-L. Wang
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L. Wang
X.-H. Wang
J. Zhou
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Direct Organocatalytic Asymmetric *para* C–H Aminoalkylation of Aniline Derivatives Affording Diarylmethylamines

Paper

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Synthesis

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

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M. L. Martin
S. Wiedmann
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Exploiting 1,1-Dibromoalkenes as Direct Precursors to 5-Substituted 1,2,3-Triazoles

Paper

3862

