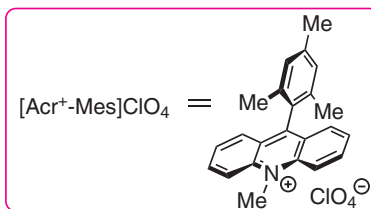


- ✓ transition-metal-free
- ✓ O₂ in air as oxidant
- ✓ available alkylation reagents
- ✓ mild conditions



Visible-Light Photoredox-Catalyzed Decarboxylative α -*tert*-Butylation of C(sp³)-H Bonds of *N*-Aryltetrahydroisoquinolines with Pivalic Acid under Transition-Metal-Free Conditions

L. Sun, Y. Zhang, J. Liu, P. Li

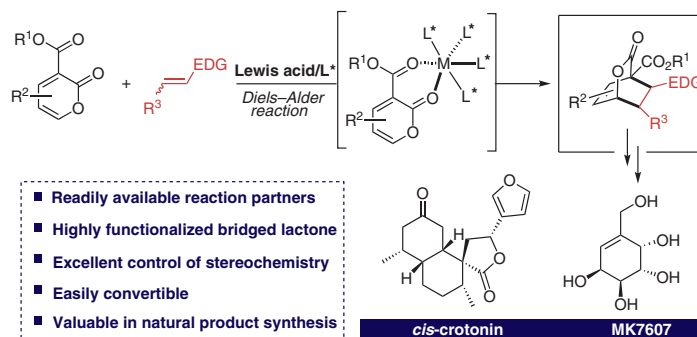
Synlett

Synlett 2021, 32, 947–954
DOI: 10.1055/a-1371-4391

X.-G. Si
Z.-M. Zhang
Q. Cai*

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Asymmetric Inverse-Electron-Demand Diels–Alder Reactions of 2-Pyrones by Lewis Acid Catalysis



Synfacts

947

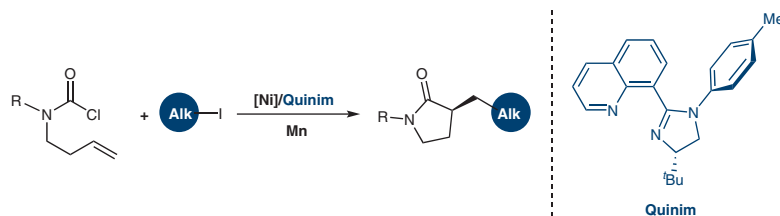
Synlett

Synlett 2021, 32, 955–961
DOI: 10.1055/a-1353-7605

X. Wu
M. Shrestha
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& Technology, P. R. of China

Asymmetric Synthesis of α -Alkylated γ -Lactam via Nickel/8-Quinim-Catalyzed Reductive Alkyl-Carbamoylation of Unactivated Alkene



Synfacts

955

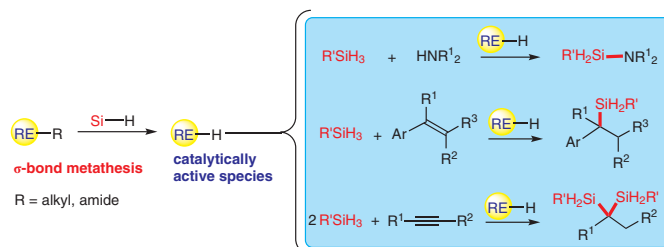
Synlett 2020, 32, 962–970
DOI: 10.1055/a-1286-5934

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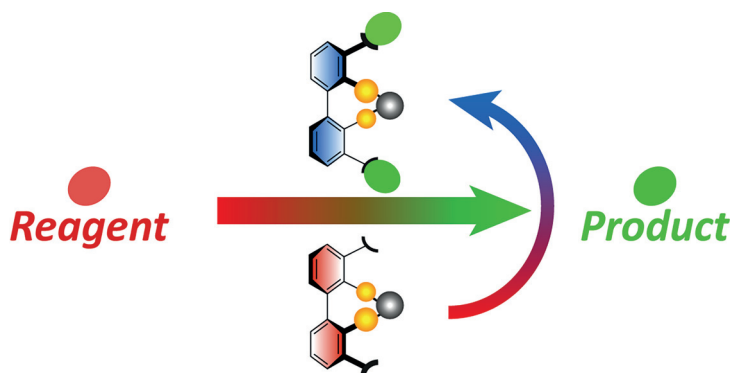


Synlett 2020, 32, 971–980
DOI: 10.1055/a-1274-2777

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Synlett 2021, 32, 981–986
DOI: 10.1055/s-0040-1706038

A. Sculler

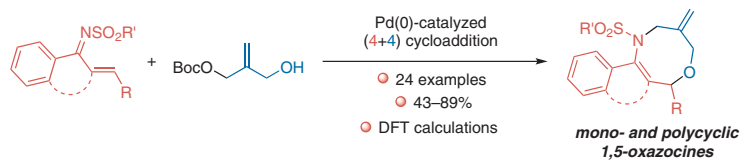
X. Liu

M. Cordier

J. Garrec*

A. Archambeau*

Ecole Polytechnique, France
ENSTA Paris, France



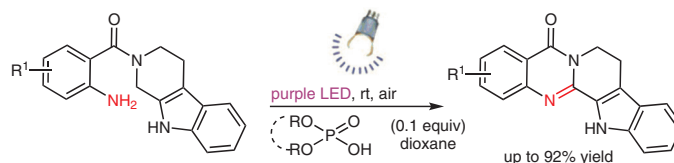
Synlett

Synlett 2021, 32, 987–992
DOI: 10.1055/a-1468-6231D. Chen
S. Li
J. Wang
T. Gou
L. Zhang
G. Wang*
X. Kong*Guilin University of Technology,
P. R. of China

Visible-Light-Mediated Synthesis of Rutacarpine Alkaloids through C–N Cross-Coupling Reaction

Letter

987



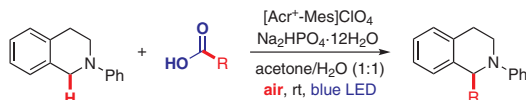
- mild reaction conditions (rt, air)
- wide substrate scope (21 examples)
- metal- and photocatalyst-free
- H₂O and H₂O₂ release

Synlett

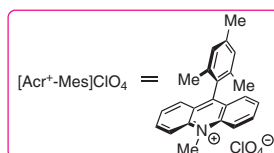
Synlett 2021, 32, 993–998
DOI: 10.1055/a-1458-5785L. Sun
Y. Zhang
J. Liu*
P. Li*Huaibei Normal University, P. R.
of China
Polytechnic University, P. R. of
ChinaVisible-Light Photoredox-Catalyzed Decarboxylative α -*tert*-Butylation of C(sp³)–H Bonds of *N*-Aryltetrahydroisoquinolines with Pivalic Acid under Transition-Metal-Free Conditions

Letter

993



- ✓ transition-metal-free
- ✓ O₂ in air as oxidant
- ✓ available alkylation reagents
- ✓ mild conditions

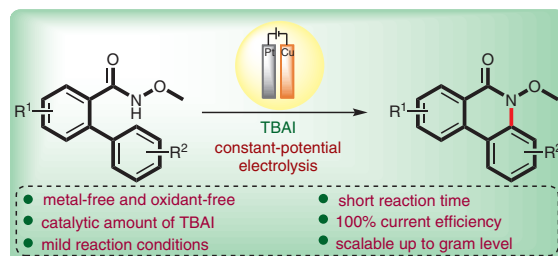


Synlett

Synlett 2021, 32, 999–1003
DOI: 10.1055/a-1467-5585K. Subramanian
S. L. Yedage
K. Sethi
B. M. Bhanage*Institute of Chemical Technolo-
gy, IndiaTetrabutylammonium Iodide (TBAI) Catalyzed Electrochemical C–H Bond Activation of 2-Arylated *N*-Methoxyamides for the Synthesis of Phenanthridinones

Letter

999

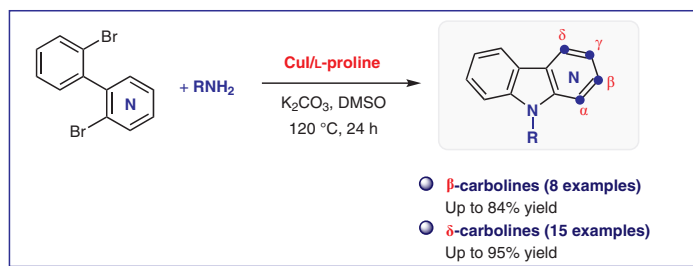


- metal-free and oxidant-free
- short reaction time
- catalytic amount of TBAI
- 100% current efficiency
- mild reaction conditions
- scalable up to gram level

Synlett 2021, 32, 1004–1008
DOI: 10.1055/s-0040-1720461

B. V. Phuc
H. N. Do
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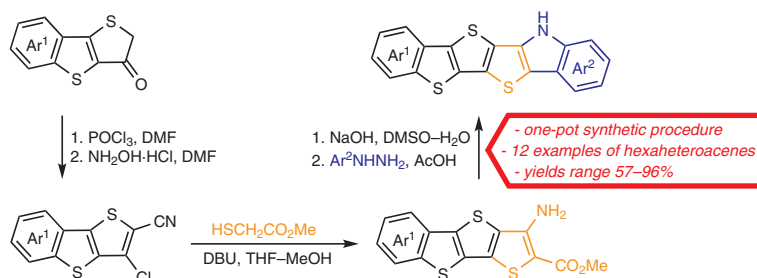
Vietnam Academy of Science and Technology, Vietnam Graduate University of Science and Technology, Vietnam Hanoi University of Science, Vietnam
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Synlett 2021, 32, 1009–1013
DOI: 10.1055/a-1398-7237

N. S. Demina
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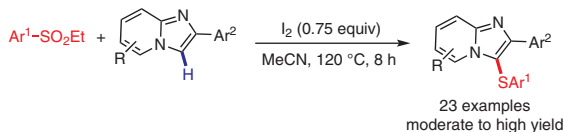
Postovsky Institute of Organic Synthesis, Russian Federation Ural Federal University named after the First President of Russia B. N. Yeltsin, Russian Federation



Synlett 2021, 32, 1014–1018
DOI: 10.1055/a-1396-5933

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Synlett

Synlett 2021, 32, 1019–1023
DOI: 10.1055/a-1423-5679

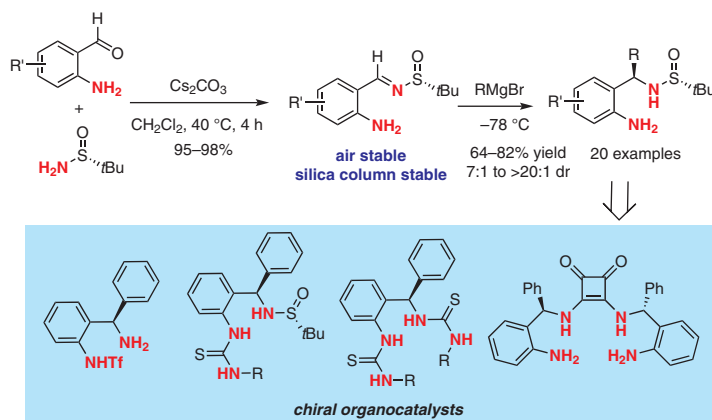
X. Zhong
G. Xiao
W. Zhou*

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Synthesis of Chiral *o*-Aminobenzylamines by Stereoselective Addition of Grignard Reagents to *N*-[(*o*-Aminophenyl)methylene] sulfinamides

Letter

1019



Synlett

Synlett 2021, 32, 1024–1028
DOI: 10.1055/s-0037-1610773

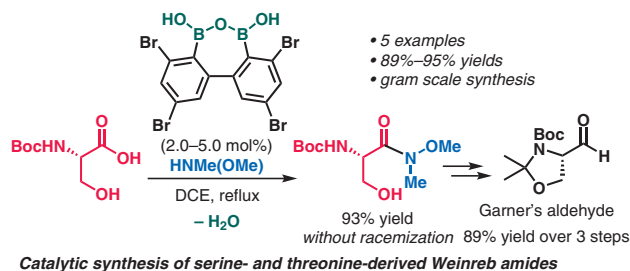
N. Shimada*
N. Ohse
N. Takahashi
S. Urata
M. Koshizuka
K. Makino

Kitasato University, Japan

Direct Synthesis of *N*-Protected Serine- and Threonine-Derived Weinreb Amides via Diboronic Acid Anhydride-Catalyzed Dehydrative Amidation: Application to the Concise Synthesis of Garner's Aldehyde

Letter

1024



Synlett

Synlett 2021, 32, 1029–1033
DOI: 10.1055/a-1495-7966

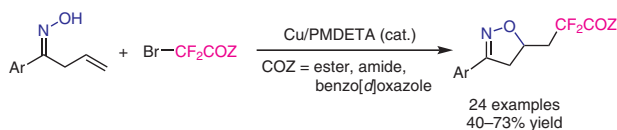
L. Wang
H. Chen
W. Zhao
G. Wang*

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Copper-Catalyzed Oxydifluoroalkylation of β,γ -Unsaturated Oximes for the Construction of Isoxazolines with a Difluoroalkyl Side Chain

Letter

1029



Synlett

Synlett 2021, 32, 1034–1038
DOI: 10.1055/s-0037-1610771

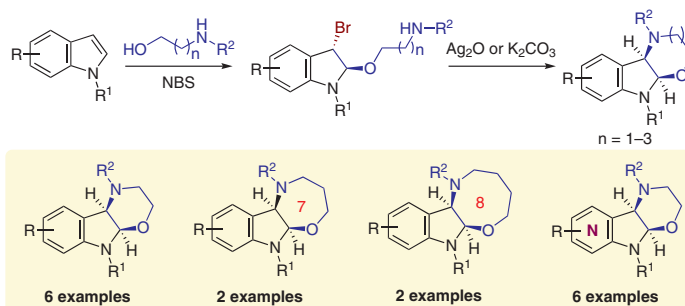
T. Nishi*
N. Mishima
H. Kato
K. Yamada

Health Sciences University
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Syntheses of Heterocycle-2,3-Fused Indoline and Azaindoline Derivatives

Letter

1034



Synlett

Synlett 2021, 32, 1039–1043
DOI: 10.1055/a-1479-6005

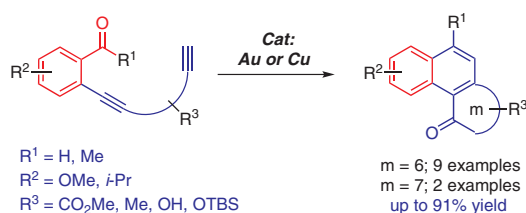
J. Kang
S. Ham
C. Seong
C. H. Oh*

Hanyang University, Korea

Synthesis of [6,6,m]-Tricyclic Compounds via [4+2] Cycloaddition with Au or Cu Catalyst

Letter

1039



$R^1 = \text{H, Me}$
 $R^2 = \text{OMe, } i\text{-Pr}$
 $R^3 = \text{CO}_2\text{Me, Me, OH, OTBS}$

Synlett

Synlett 2021, 32, 1044–1048
DOI: 10.1055/a-1473-7369

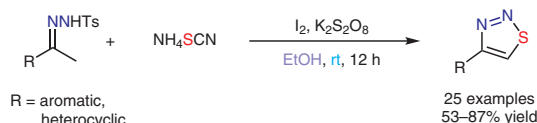
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Y. Sun*
A. Abdukader*
C. Liu

Quzhou University, P. R. of China
Xinjiang University, P. R. of China

Diiiodine/Potassium Persulfate Mediated Synthesis of 1,2,3-Thiadiazoles from *N*-Tosylhydrazones and a Thiocyanate Salt as a Sulfur Source under Transition-Metal-Free Conditions

Letter

1044



R = aromatic,
heterocyclic

1. Transition-metal-free and no heating conditions.
2. Ethanol as eco-friendly solvent.
3. Up to gram-scale.
4. Applications in two palladium-catalyzed coupling reactions.