

Synlett

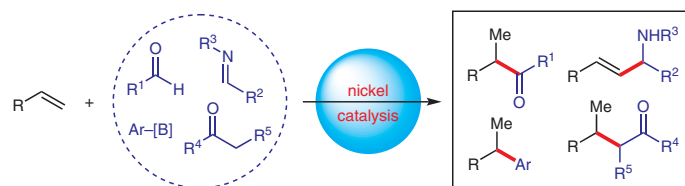
Synlett 2019, 30, 361–369  
DOI: 10.1055/s-0037-1610410

L.-J. Xiao  
M.-C. Ye\*  
Q.-L. Zhou\*  
Nankai University, P. R. of China

## Nickel-Catalyzed Highly Atom-Economical C–C Coupling Reactions with $\pi$ Components

Account

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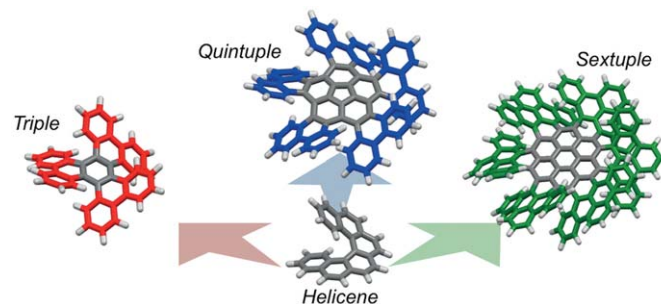
Synlett 2019, 30, 370–377  
DOI: 10.1055/s-0037-1610283

K. Kato  
Y. Segawa\*  
K. Itami\*  
Nagoya University, Japan

## Symmetric Multiple Carbohelicenes

Account

370



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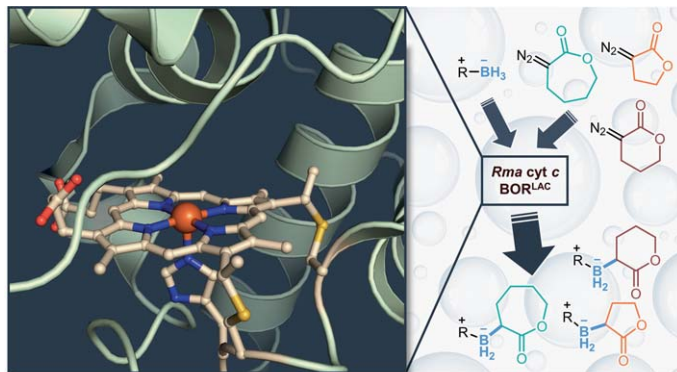
Engineered Cytochrome *c*-Catalyzed Lactone-Carbene B–H Insertion

Letter

Synlett 2019, 30, 378–382  
DOI: 10.1055/s-0037-1611662

K. Chen  
X. Huang  
S.-Q. Zhang  
A. Z. Zhou  
S. B. J. Kan  
X. Hong\*  
F. H. Arnold\*

California Institute of Technology, USA  
Zhejiang University, P. R. of China



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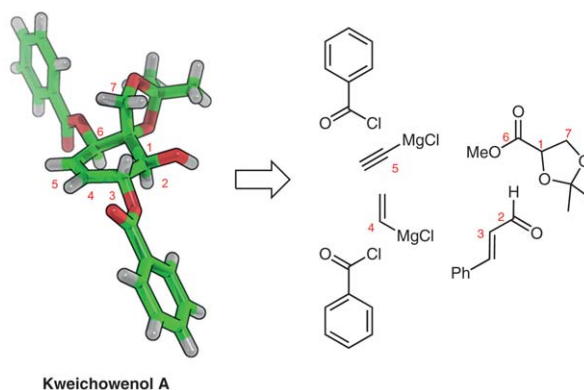
Concise Asymmetric Synthesis of Kweichowenol A

Letter

Synlett 2019, 30, 383–386  
DOI: 10.1055/s-0037-1610390

D. B. Konrad  
B. Kicin  
D. Trauner\*

University Munich, Germany  
New York University, USA



Kweichowenol A

383

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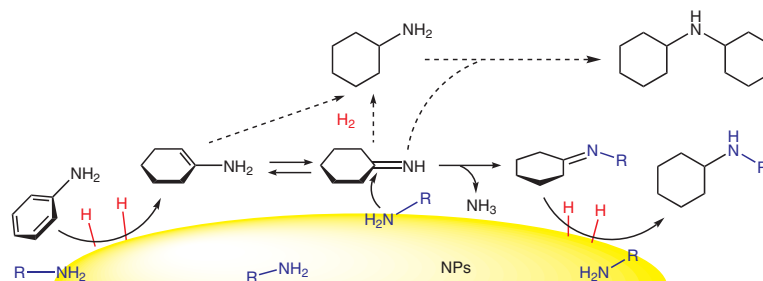
Highly Selective Reductive Cross-Amination between Aniline or Nitroarene Derivatives and Alkylamines Catalyzed by Polysilane-Immobilized Rh/Pt Bimetallic Nanoparticles

Letter

Synlett 2019, 30, 387–392  
DOI: 10.1055/s-0037-1611341

A. Suzuki  
H. Miyamura  
S. Kobayashi\*

The University of Tokyo, Japan



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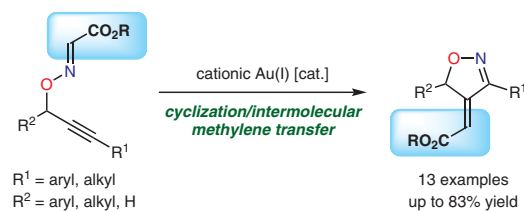
S. Gima  
K. Shiga  
M. Terada  
I. Nakamura\*

Tohoku University, Japan

Gold-Catalyzed Cyclization/Intermolecular Methylene Transfer Sequence of O-Propargylic Oximes Derived from Glyoxylates

Letter

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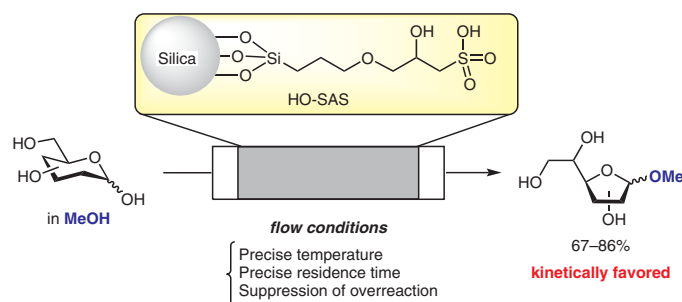
S. Masui  
Y. Manabe  
K. Hirao  
A. Shimoyama  
T. Fukuyama  
I. Ryu  
K. Fukase\*

Osaka University, Japan

Kinetically Controlled Fischer Glycosidation under Flow Conditions: A New Method for Preparing Furanosides

Letter

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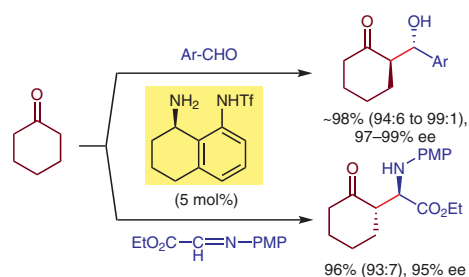
H.-J. Lee  
N. Arumugam  
A. I. Almansour  
R. S. Kumar  
K. Maruoka\*

Kyoto University, Japan

Design of New Amino Tf-Amide Organocatalysts: Environmentally Benign Approach to Asymmetric Aldol Synthesis

Letter

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Synlett 2019, 30, 405–412  
DOI: 10.1055/s-0037-1611678

S. Rengshausen

F. Etscheidt

J. Großkurth

K. L. Luska

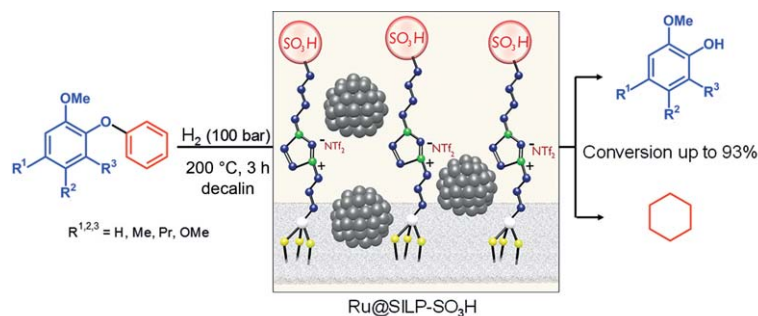
A. Bordet

W. Leitner\*

Max-Planck-Institut für Chemische Energiekonversion,  
Germany  
RWTH Aachen University,  
GermanyCatalytic Hydrogenolysis of Substituted Diaryl Ethers by Using Ruthenium Nanoparticles on an Acidic Supported Ionic Liquid Phase (Ru@SILP-SO<sub>3</sub>H)

Letter

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Synlett 2019, 30, 413–416  
DOI: 10.1055/s-0037-1611652

A. Bauer

J.-H. Nam

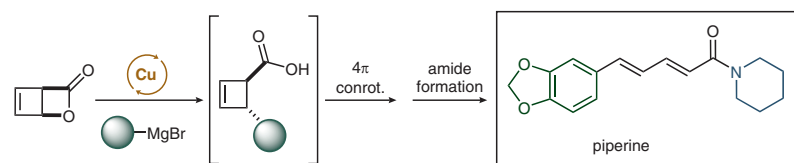
N. Maulide\*

University of Vienna, Austria

## A Short, Efficient, and Stereoselective Synthesis of Piperine and its Analogues

Letter

413



- ✓ Piperine synthesized in quantitative yield
- ✓ Full stereocontrol
- ✓ Modulation of the aryl and the amide moiety

Synlett

Synlett 2019, 30, 417–422  
DOI: 10.1055/s-0037-1610861

M. Lee

A. Adams

P. B. Cox

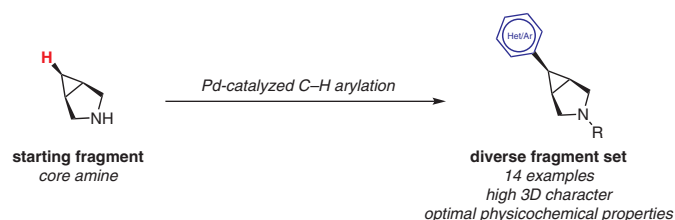
M. S. Sanford\*

University of Michigan, USA

## Access to 3D Alicyclic Amine-Containing Fragments through Transannular C–H Arylation

Letter

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Bay-Region-Selective Annulative  $\pi$ -Extension (APEX) of Perylene Diimides with Arynes

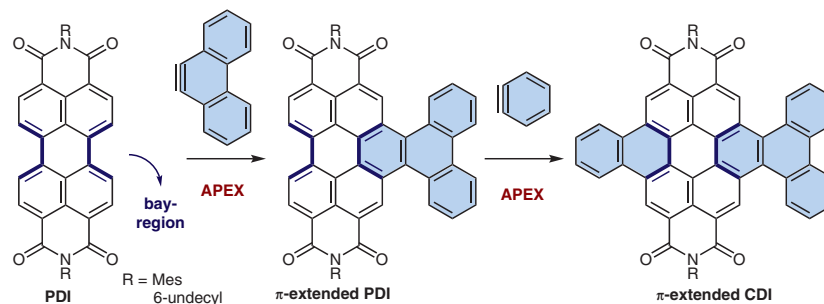
Letter

Synlett 2019, 30, 423–428  
DOI: 10.1055/s-0037-1611668

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T. Nakamuro  
K. Kumazawa  
H. Ito\*  
K. Itami\*

Nagoya University, Japan

**Bay-region-selective annulative  $\pi$ -extension (APEX)**

- One-step  $\pi$ -extension at unfunctionalized bay-region
- No halogenation/oxidation
- Two-directional APEX
- 5 examples of  $\pi$ -extended PDI and CDI with moderate yields

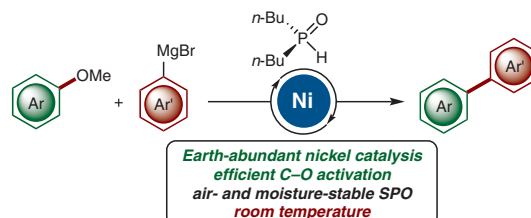
Synlett

## Air-Stable Secondary Phosphine Oxides for Nickel-Catalyzed Cross-Couplings of Aryl Ethers by C–O Activation

Letter

Synlett 2019, 30, 429–432  
DOI: 10.1055/s-0037-1611663

429

D. Ghorai  
J. Loup  
G. Zanoni  
L. Ackermann\*Georg-August-Universität,  
Germany

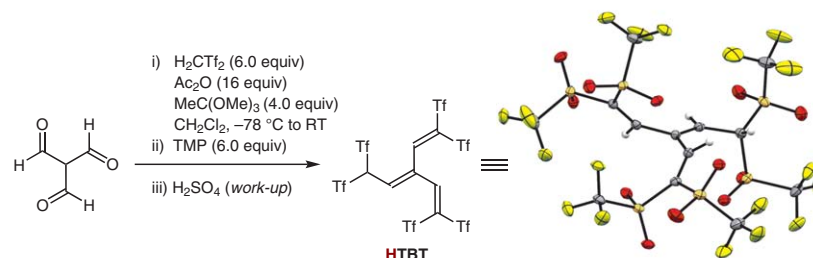
Synlett

## A Dendralenic C–H Acid

Letter

Synlett 2019, 30, 433–436  
DOI: 10.1055/s-0037-1612246

433

D. Höfler  
R. Goddard  
N. Nöthling  
B. List\*Max-Planck-Institut für Kohlen-  
forschung, Germany

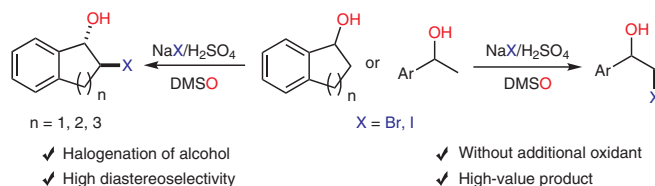
L. Ai  
W. Wang  
J. Wei  
Q. Li  
S. Song\*  
N. Jiao\*

Peking University, P. R. of China

Oxidative  $\beta$ -Halogenation of Alcohols: A Concise and Diastereoselective Approach to Halohydrins

Letter

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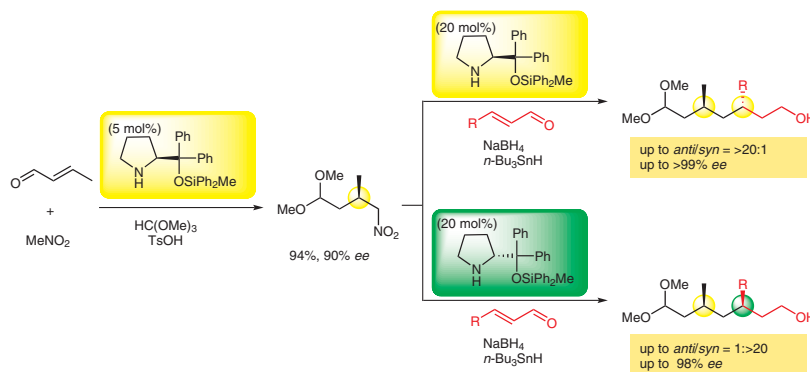
Y. Hayashi\*  
S. Toda

Tohoku University, Japan

## Asymmetric Synthesis of Chiral 1,3-Dimethyl Units Through a Double Michael Reaction of Nitromethane and Crotonaldehyde Catalyzed by Diphenylprolinol Silyl Ether

Letter

442

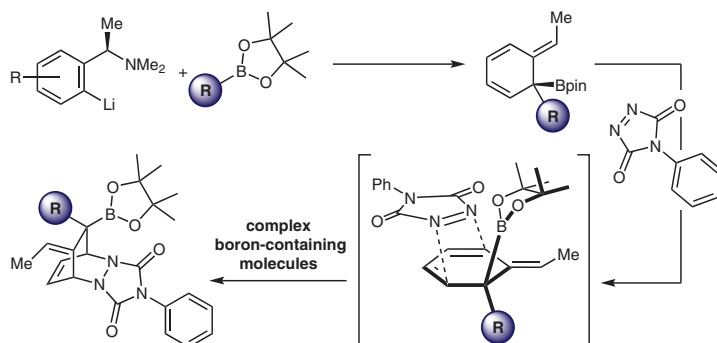
C. Tillin  
R. Bigler  
R. Calo-Lapido  
B. S. L. Collins  
A. Noble  
V. K. Aggarwal\*

University of Bristol, UK

Complex Boron-Containing Molecules through a 1,2-Metalate Rearrangement/*anti*- $S_N2'$  Elimination/Cycloaddition Reaction Sequence

Letter

449

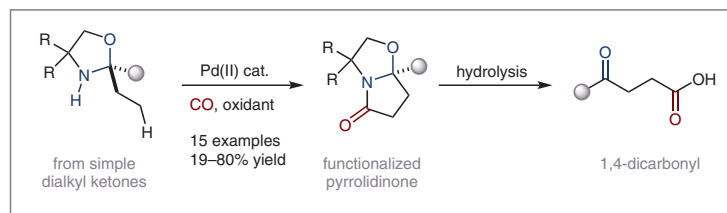


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Synlett 2019, 30, 454–458  
DOI: 10.1055/s-0037-1611664D. K. H. Ho  
J. Calleja  
M. J. Gaunt\*  
University of Cambridge, UKPalladium(II)-Catalyzed C(sp<sup>3</sup>)-H Activation of N,O-Ketals towards a Method for the  $\beta$ -Functionalization of Ketones

Letter

454

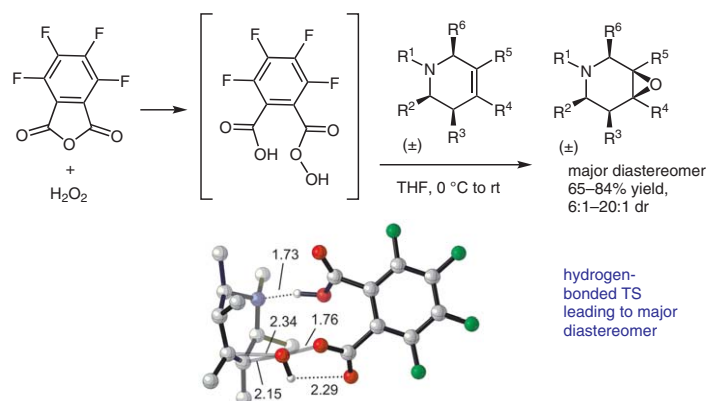


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Synlett 2019, 30, 459–463  
DOI: 10.1055/s-0037-1611674S. Chen\*  
S. Wang  
K. N. Houk\*  
University of California, USAOrigins of Contrasteric  $\pi$ -Facial Selectivity in Epoxidations of Encumbered Tetrahydropyridines by a Bifunctional Peracid

Letter

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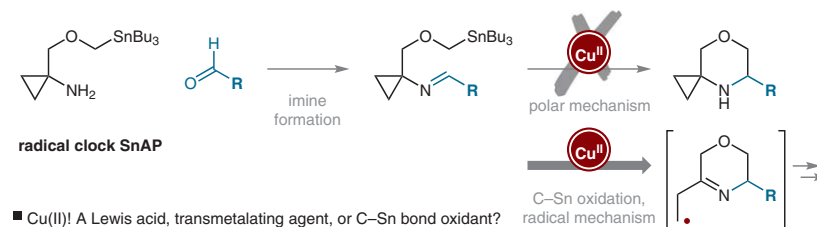
Synlett

Synlett 2019, 30, 464–470  
DOI: 10.1055/s-0037-1611670M. U. Luescher  
J. W. Bode\*  
ETH Zurich, Switzerland

## Evidence for a Radical Mechanism in Cu(II)-Promoted SnAP Reactions

Letter

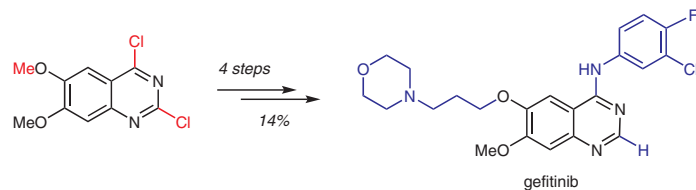
464



Synlett 2019, 30, 471–476  
DOI: 10.1055/s-0037-1610375

T. S. Maskrey  
T. Kristufek  
M. G. LaPorte  
P. R. Nyalapatla  
P. Wipf\*

University of Pittsburgh, USA

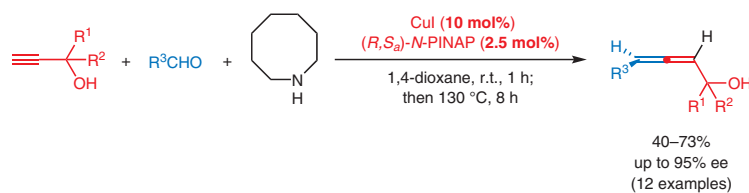


471

Synlett 2019, 30, 477–482  
DOI: 10.1055/s-0037-1611641

Q. Liu  
T. Cao  
Y. Han  
X. Jiang  
Y. Tang  
Y. Zhai  
S. Ma\*

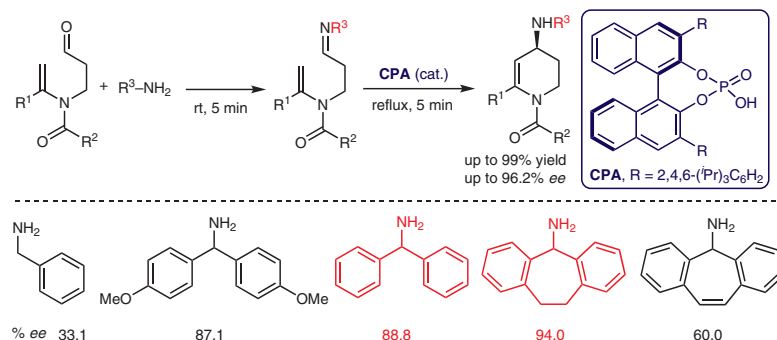
Shanghai Institute of Organic  
Chemistry, P. R. of China



477

Synlett 2019, 30, 483–487  
DOI: 10.1055/s-0037-1610384

S. Tong\*  
M.-X. Wang\*  
Tsinghua University, P. R. of  
China



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Synlett 2019, 30, 488–492  
DOI: 10.1055/s-0037-1611642

J.-S. Yu

H. Noda

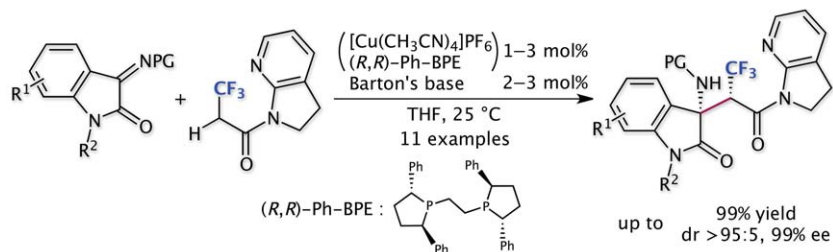
N. Kumagai\*

M. Shibasaki\*

Institute of Microbial Chemistry  
(BIKAKEN), JapanDirect Catalytic Asymmetric Mannich-Type Reaction of an  $\alpha$ -CF<sub>3</sub> Amide to Isatin Imines

Letter

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Synlett 2019, 30, 493–498  
DOI: 10.1055/s-0037-1610403

J.-P. Berndt

F. R. Erb

L. Ochmann

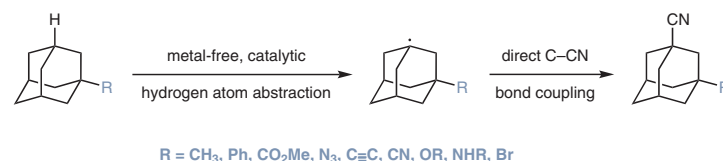
J. Beppler

P. R. Schreiner\*

Justus Liebig University,  
GermanySelective Phthalimido-*N*-oxyl (PINO)-Catalyzed C–H Cyanation of Adamantane Derivatives

Letter

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17 examples • up to 71% yield • high selectivity • cheap • substrate (1 equiv)

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Synlett 2019, 30, 499–502  
DOI: 10.1055/s-0037-1611639

M. Miyagawa

R. Yamamoto

N. Kobayashi

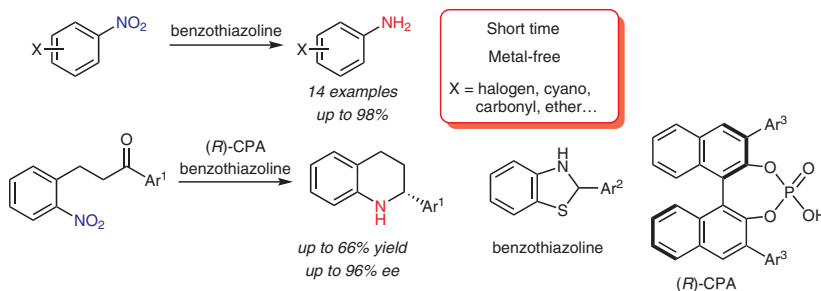
T. Akiyama\*

Gakushuin University, Japan

## Reduction of Nitroarenes to Anilines with a Benzothiazoline: Application to Enantioselective Synthesis of 2-Arylquinoline Derivatives

Letter

499

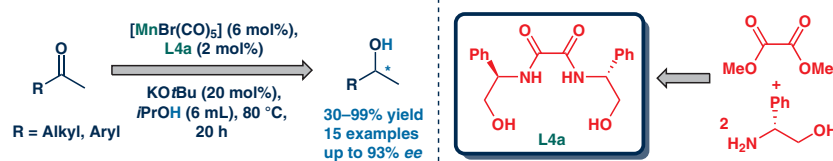


Synlett

Synlett 2019, 30, 503–507  
DOI: 10.1055/s-0037-1611669J. Schneekönig  
K. Junge  
M. Beller\*Leibniz-Institut für Katalyse e.V.,  
GermanyManganese Catalyzed Asymmetric Transfer Hydrogenation of Ketones  
Using Chiral Oxamide Ligands

Letter

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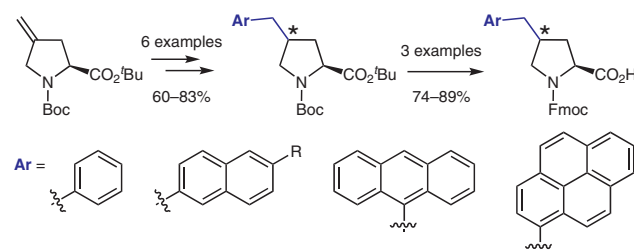
Synlett 2019, 30, 508–510  
DOI: 10.1055/s-0037-1611672S. Loosli  
C. Foletti  
M. Pappmeyer  
H. Wennemers\*

ETH Zürich, Switzerland

## Synthesis of 4-(Arylmethyl)proline Derivatives

Letter

508



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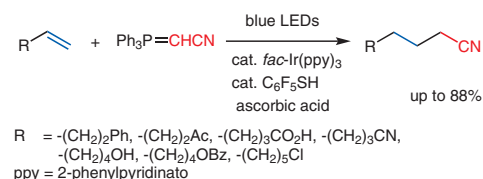
Synlett 2019, 30, 511–514  
DOI: 10.1055/s-0037-1612230T. Miura\*  
D. Moriyama  
Y. Funakoshi  
M. Murakami\*

Kyoto University, Japan

Photoinduced 1,2-Hydro(cyanomethylation) of Alkenes with a  
Cyanomethylphosphonium Ylide

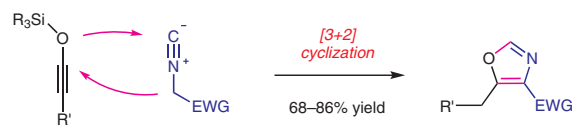
Letter

511



A. Wu  
J. Sun\*  
The Hong Kong University of Science and Technology, P. R. of China

## A [3+2] Cyclization of Siloxyalkynes and Isocyanides for the Synthesis of Oxazoles



• mild conditions

• high efficiency

• metal-free