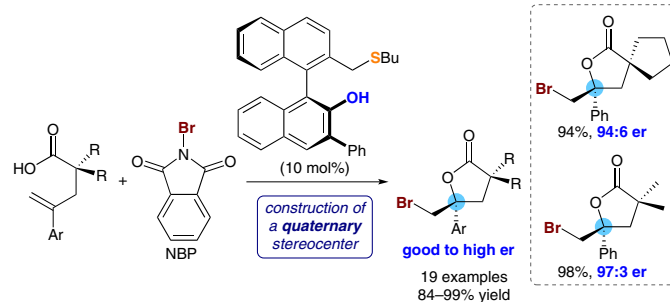


## Special Issue

11<sup>th</sup> Singapore International Chemistry Conference (SICC-11)

Editor: David A. Nicewicz

Guest Editor: Shunsuke Chiba



**Chiral Bifunctional Sulfide-Catalyzed Enantioselective Synthesis of  $\alpha$ -Substituted  $\gamma$ -Lactones Bearing a  $\gamma$ -Quaternary Stereocenter**

T. Mori, S. Sumida, Y. Furuya, S. Shirakawa

## Synlett

Synlett 2024, 35, 367–378  
DOI: 10.1055/a-2136-3609

Y. Nishimoto\*  
M. Yasuda\*

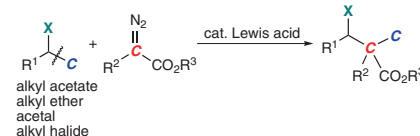
Osaka University, Japan

## Acetate/Alkoxide/Halide Shuttle Systems Mediated by Lewis Acid Catalysts for Insertion Reaction of a One-Carbon Unit into Carbon–Carbon or Carbon–Halogen Bonds

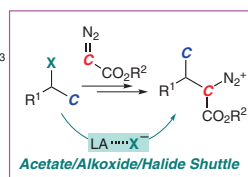
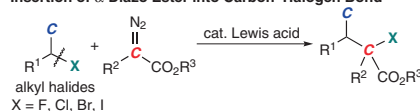
Cluster Account

367

### Insertion of $\alpha$ -Diazo Ester into Carbon–Carbon Bond



### Insertion of $\alpha$ -Diazo Ester into Carbon–Halogen Bond



## Synlett

Synlett 2024, 35, 379–393  
DOI: 10.1055/a-2131-3448

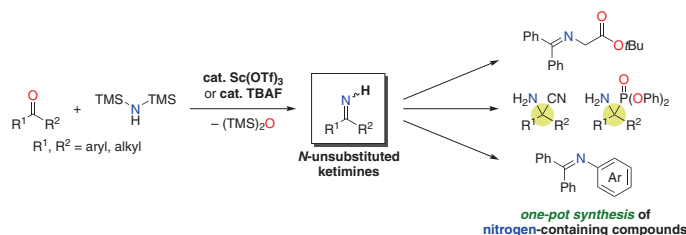
Y. Kondo  
H. Morimoto\*  
T. Ohshima\*

Kyushu University, Japan  
Kyushu Institute of Technology,  
Japan

## Development of Novel Catalytic Direct Syntheses of N-Unsubstituted Ketimines and Their Applications to One-Pot Reactions

Cluster Account

379



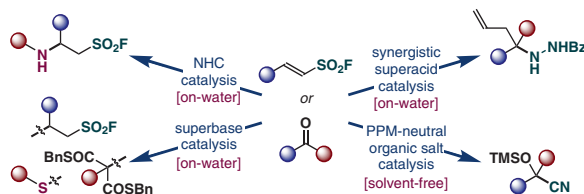
Synlett

Synlett 2024, 35, 394–404  
DOI: 10.1055/a-2106-1585W. H. Kim  
J. H. Park  
S. B. Lee  
M. Israr  
B. J. Koo  
S. B. Kim  
S. Kim  
H. Y. Bae\*Sungkyunkwan University,  
Republic of Korea

## Sustainable Organocatalytic Processes to Access Alkyl SuFEx Click Hubs and Tetrasubstituted Carbon Centers: Potential Libraries for Multidisciplinary Applications

Cluster Account

394



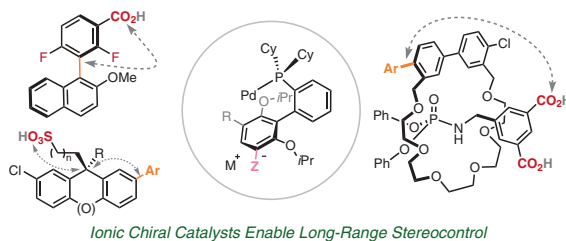
Synlett

Synlett 2024, 35, 405–411  
DOI: 10.1055/a-2112-9552I. K. W. On  
Y. Zhu\*National University of Singapore,  
Singapore

## Enantioselective Palladium-Catalyzed Suzuki–Miyaura Reactions Enabled by Ionic Ligand–Substrate Interactions

Cluster Account

405



Synlett

Synlett 2024, 35, 412–418  
DOI: 10.1055/a-2126-1897

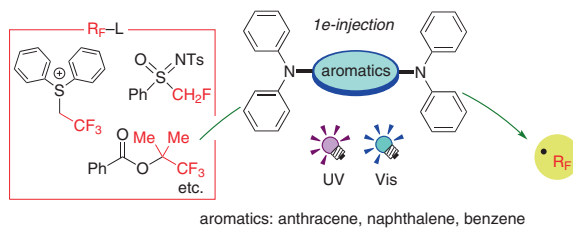
T. Koike\*

Nippon Institute of Technology,  
Japan

## Small Aromatics Bearing Two Diarylamino Termini: Highly Reducing Organic Photocatalysts

Cluster Account

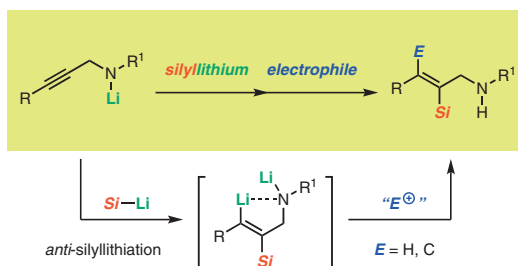
412



Synlett 2024, 35, 419–422  
DOI: 10.1055/a-2047-8456

T. Sato  
S. N. Karad  
J. Shimokawa\*  
H. Yorimitsu\*

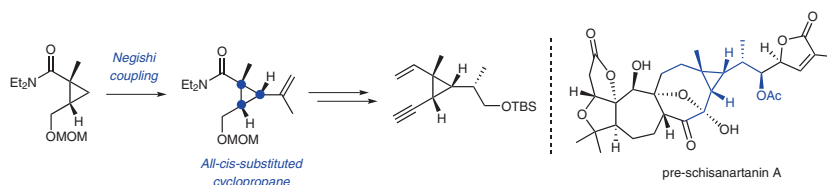
Kyoto University, Japan



Synlett 2024, 35, 423–426  
DOI: 10.1055/a-2102-8014

R. Yagita  
K. Irie  
C. Tsukano\*

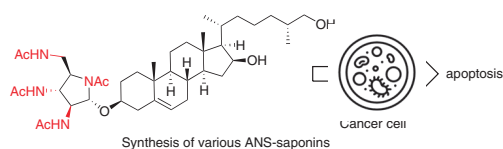
Kyoto University, Japan



Synlett 2024, 35, 427–430  
DOI: 10.1055/a-2106-1345

A. Kage  
Y. Okuyama  
E. Kato  
T. Matagawa  
S. Kawano  
S. Simizu  
N. Chida  
T. Okamura\*  
T. Sato\*

Keio University, Japan



Synthesis of various ANS-saponins

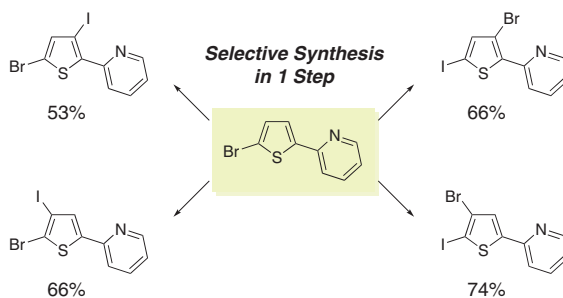
Cancer cell

apoptosis

## Regiodivergent Synthesis of Brominated Pyridylthiophenes by Overriding the Inherent Substrate Bias

Cluster

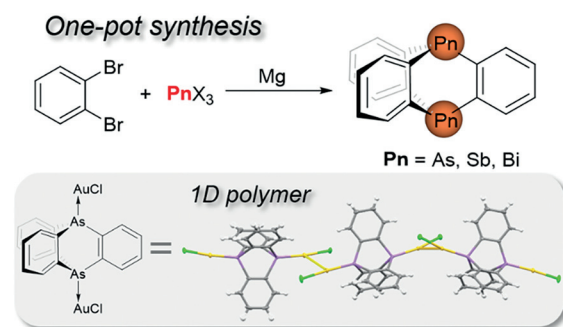
431



## Synthesis and Coordination Behavior of 9,10-Diarsatriptycene

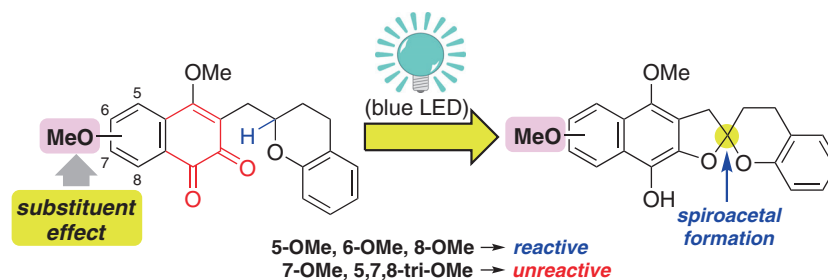
Cluster

437

Photochemical Reaction of 1,2-Naphthoquinone toward Enantioselective Synthesis of  $\gamma$ -Rubromycin: Viability Dependence on Chromophore

Cluster

441



Synlett

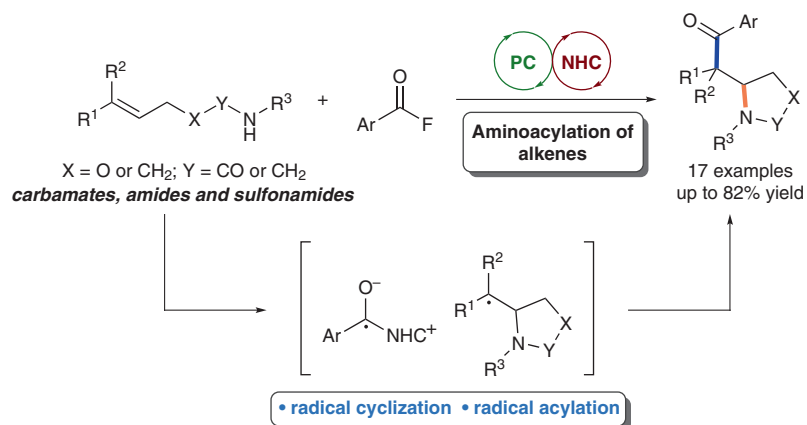
## Aminoacylation of Alkenes by Cooperative NHC and Photoredox Catalysis

Cluster

445

Synlett 2024, 35, 445–450  
DOI: 10.1055/a-2145-8697L. Lezius  
J. Reimler  
N. Döben  
M. Hamm  
C. G. Daniliuc  
A. Studer\*

University of Münster, Germany



Synlett

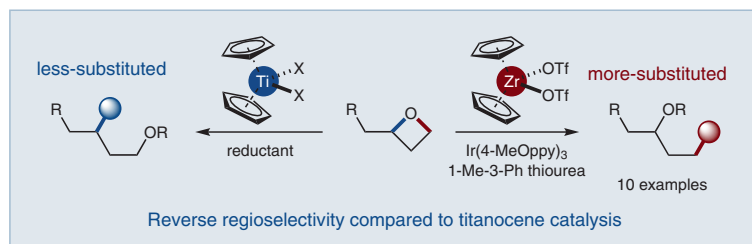
## Regioselective Ring Opening of Oxetanes Enabled by Zirconocene and Photoredox Catalysis

Cluster

451

Synlett 2024, 35, 451–454  
DOI: 10.1055/s-0041-1738454K. Aida  
E. Ota\*  
J. Yamaguchi\*

Waseda University, Japan



Synlett

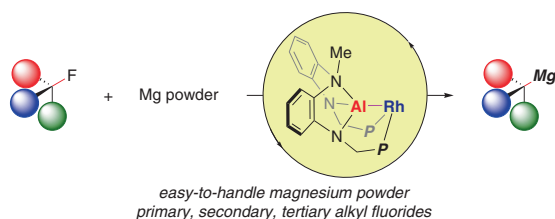
## Magnesiation of Alkyl Fluorides Catalyzed by Rhodium–Aluminum Bimetallic Complexes

Cluster

455

Synlett 2024, 35, 455–458  
DOI: 10.1055/a-2236-1197I. Fujii  
R. Higo  
K. Semba  
Y. Nakao\*

Kyoto University, Japan



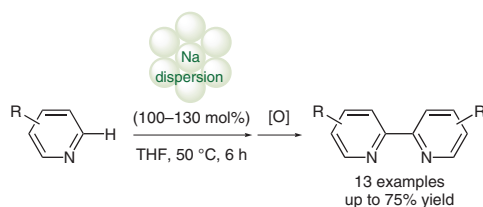
P. B. De  
L. Ilies\*  
K. Takai\*  
S. Asako\*

RIKEN Center for Sustainable Resource Science, Japan  
Graduate School of Natural Science and Technology Okayama University, Japan

## Synthesis of 2,2'-Bipyridines via Dehydrogenative Dimerization of Pyridines Using Sodium Dispersion

Cluster

459



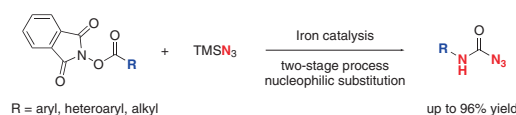
X. Yuan  
Y. Qu  
Y. Li\*  
H. Bao\*

Center for Excellence in Molecular Synthesis, P. R. of China

## Synthesis of Carbamoyl Azides from Redox-Active Esters and TMSN<sub>3</sub>

Cluster

464



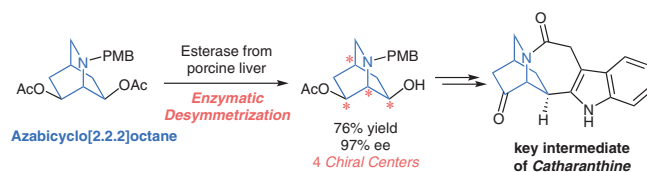
K. Ikeda  
S. Harada\*  
Y. Hashimoto  
H. Homma  
M. Kono  
N. Zumbärgel  
H. Gröger\*  
T. Nemoto\*

Chiba University, Japan  
Bielefeld University, Germany

## Enantioselective Formal Synthesis of (–)-Catharanthine through Enzyme-Catalyzed Desymmetrization of a *meso*-Azabicyclo [2.2.2]octane

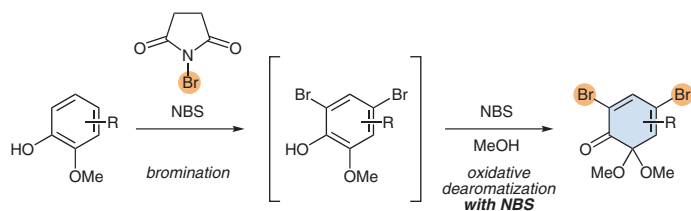
Cluster

469



Synlett 2024, 35, 474–478  
DOI: 10.1055/s-0041-1738450

S. Hayashi  
K. Takasu\*  
H. Takikawa\*  
Kyoto University, Japan



Synlett 2024, 35, 479–483  
DOI: 10.1055/a-2161-9513

T. Mori  
S. Sumida  
Y. Furuya  
S. Shirakawa\*  
Nagasaki University, Japan

