Synlett

Accounts and Rapid Communications in Chemical Synthesis

2020
Vol. 31, No. 19
December I

Cover Design: © Thieme

Synlett

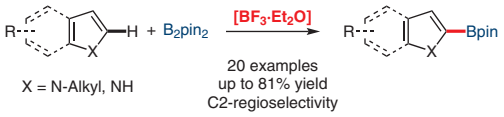
Metal-Free Catalytic Aromatic C–H Borylation

Synpacts

1857

Synlett **2020**, *31*, 1857–1861
DOI: 10.1055/s-0040-1707241

H. Zhang*
L. Wang
Nanchang University, P. R. of China



Synlett

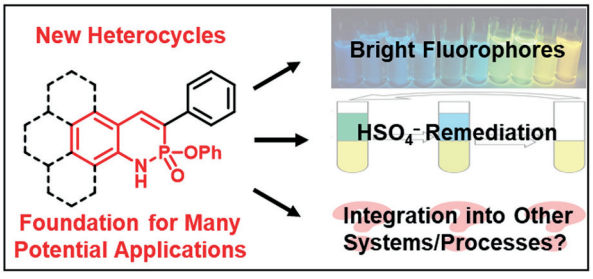
Bumpy Roads Lead to Beautiful Places: The Twists and Turns in Developing a New Class of PN-Heterocycles

Account

1862

Synlett **2020**, *31*, 1862–1877
DOI: 10.1055/s-0040-1707168

J. P. Bard
D. W. Johnson*
M. M. Haley*
University of Oregon, USA



Synlett

Cluster Preface: Integrated Synthesis Using Continuous-Flow Technologies

Cluster

1878

Synlett **2020**, *31*, 1878–1879

S. Fuse*
Nagoya University, Japan

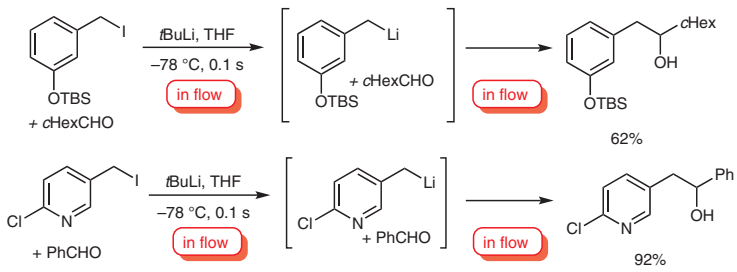
Synlett

Continuous-Flow Reactions Mediated by Main Group Organometallics

Cluster 1880

Synlett **2020**, *31*, 1880–1887
DOI: 10.1055/s-0040-1706536

J. H. Harenberg
N. Weidmann
P. Knochel*
Ludwig-Maximilians-Universität München, Germany



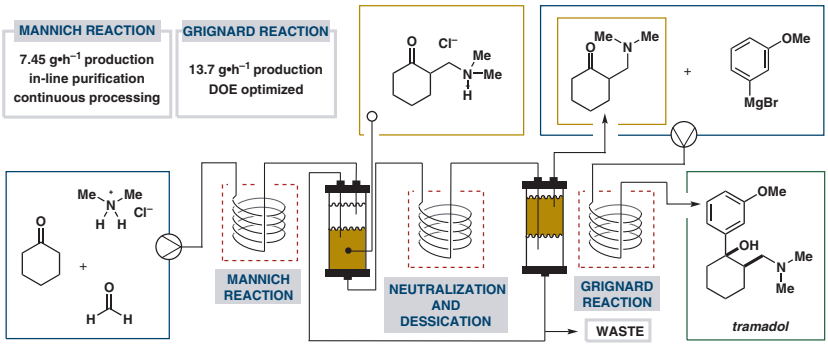
Synlett

Continuous-Flow Synthesis of Tramadol from Cyclohexanone

Cluster 1888

Synlett **2020**, *31*, 1888–1893
DOI: 10.1055/s-0039-1690884

T. M. Monos
J. N. Jaworski
J. C. Stephens
T. F. Jamison*
Massachusetts Institute of Technology, USA



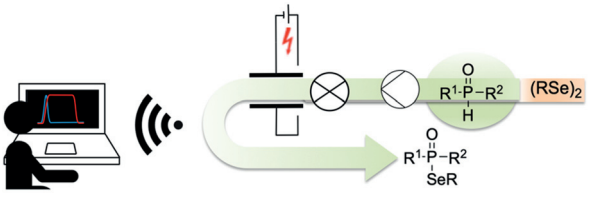
Synlett

Accelerating Electrochemical Synthesis through Automated Flow: Efficient Synthesis of Chalcogenophosphites

Cluster 1894

Synlett **2020**, *31*, 1894–1898
DOI: 10.1055/s-0040-1707141

N. Amri
T. Wirth*
Cardiff University, UK

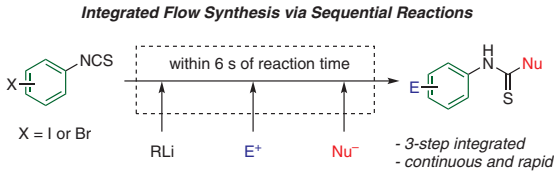


Synlett
Synlett **2020**, *31*, 1899–1902
DOI: 10.1055/s-0040-1707251

Integrated Synthesis Using Isothiocyanate-Substituted Aryllithiums by Flow Chemistry

Cluster 1899

H.-J. Lee
D. Torii
Y. Jeon
J.-i. Yoshida*
H. Kim*
University, Korea
Kyoto University, Japan

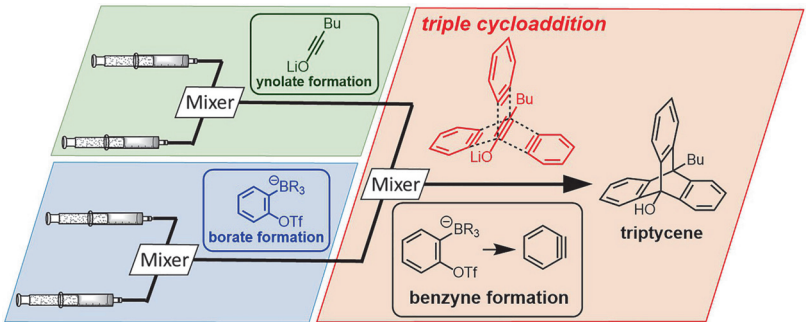


Synlett
Synlett **2020**, *31*, 1903–1906
DOI: 10.1055/s-0040-1706417

Flow Synthesis of Triptycene via Triple Cycloaddition of Ynolate to Benzyne

Cluster 1903

T. Iwata
T. Yoshinaga
M. Shindo*
Kyushu University, Japan

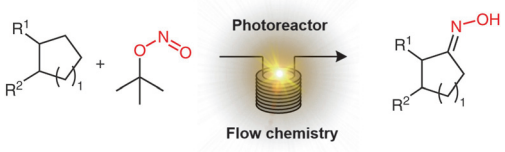


Synlett
Synlett **2020**, *31*, 1907–1912
DOI: 10.1055/s-0040-1707281

Photochemical Flow Oximation of Alkanes

Cluster 1907

O. M. Griffiths
M. Ruggeri
I. R. Baxendale*
University of Durham, UK

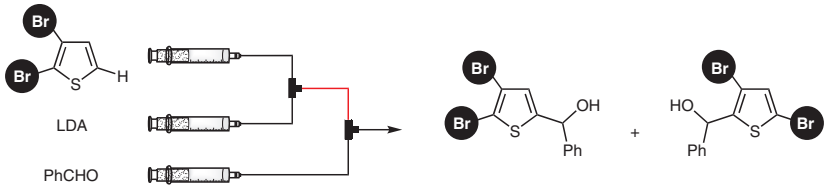


Synlett
Synlett **2020**, *31*, 1913–1918
DOI: 10.1055/s-0040-1706479

Trapping of Transient Thienyllithiums Generated by Deprotonation of 2,3- or 2,5-Dibromothiophene in a Flow Microreactor

Cluster 1913

K. Okano*
Y. Yamane
A. Nagaki
A. Mori
Kobe University, Japan



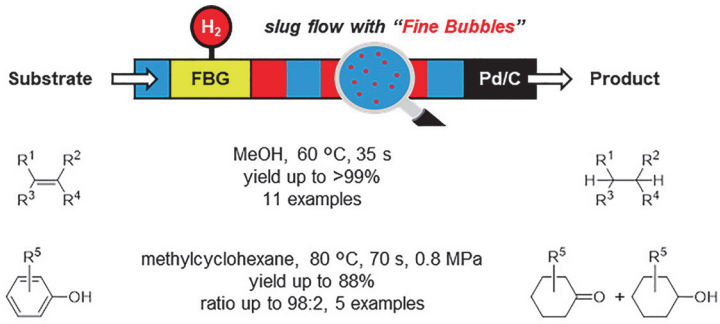
–78 °C, 1.6 s	66%	3%
–78 °C, 3.1 s	49%	20%

Synlett
Synlett **2020**, *31*, 1919–1924
DOI: 10.1055/s-0040-1705948

Fine-Bubble–Slug-Flow Hydrogenation of Multiple Bonds and Phenols

Cluster 1919

T. Iio
K. Nagai
T. Kozuka
A. M. Sammi
K. Sato
T. Narumi
N. Mase*
Shizuoka University, Japan

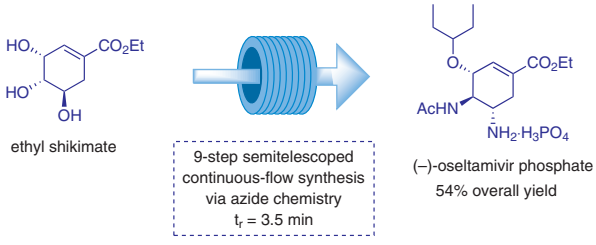


Synlett
Synlett **2020**, *31*, 1925–1929
DOI: 10.1055/s-0039-1690878

Continuous-Flow Synthesis of (–)-Oseltamivir Phosphate (Tamiflu)

Cluster 1925

C. R. Sagandira
P. Watts*
Nelson Mandela University, South Africa



Synlett

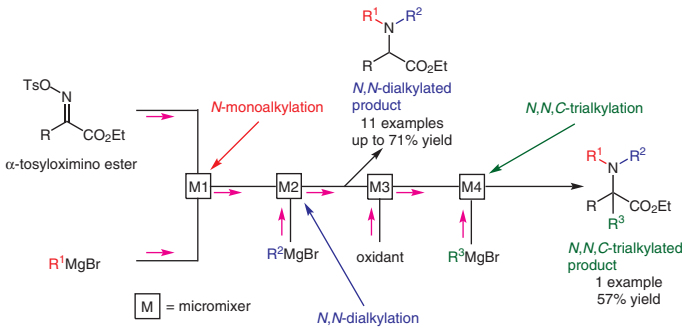
Umpolung Reactions of α-Tosyloximino Esters in a Flow System

Cluster

1930

Synlett **2020**, *31*, 1930–1936
DOI: 10.1055/s-0040-1707265

K. Ota
S. Fukumoto
T. Iwase
I. Mizota
M. Shimizu*
I. Hachiya*
Mie University, Japan
Nanjing Tech University, Japan



Synlett

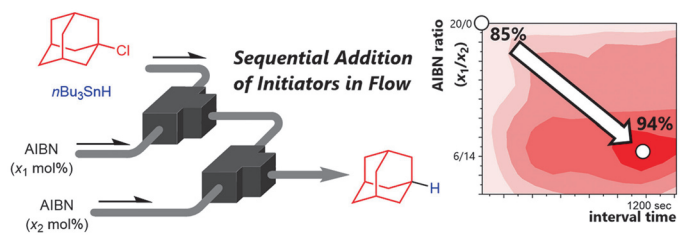
Accelerating Heat-Initiated Radical Reactions of Organic Halides with Tin Hydride Using Flow Microreactor Technologies

Cluster

1937

Synlett **2020**, *31*, 1937–1941
DOI: 10.1055/s-0040-1707307

Y. Jiang
Y. Ashikari
K. Guan
A. Nagaki*
Kyoto University, Japan



Synlett

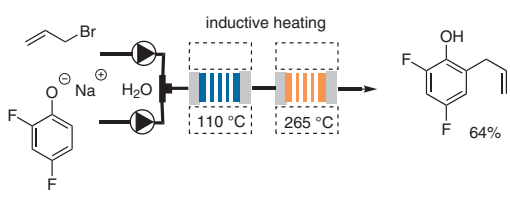
Subsupercritical Water Generated by Inductive Heating Inside Flow Reactors Facilitates the Claisen Rearrangement

Cluster

1942

Synlett **2020**, *31*, 1942–1946
DOI: 10.1055/s-0040-1705945

M. Oltmanns
A. Kirschning*
Leibniz Universität
Hannover, Germany



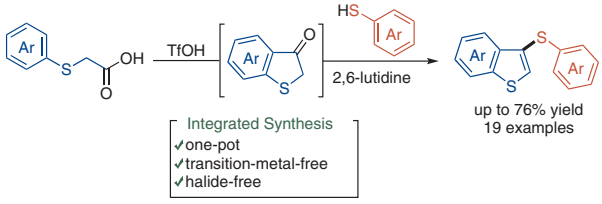
Synlett

Synlett **2020**, *31*, 1947–1952
DOI: 10.1055/s-0040-1707280

Integrated Synthesis of Thienyl Thioethers and Thieno[3,2-*b*]thiophenes via 1-Benzothiophen-3(2*H*)-ones

Letter

K. Mitsudo*
N. Habara
Y. Kobashi
Y. Kurimoto
H. Mandai
S. Suga*
Okayama University, Japan



Synlett

Synlett **2020**, *31*, 1953–1956
DOI: 10.1055/s-0039-1690743

Total Synthesis of 1-Oxomiltirone and Arucadiol

Letter

C. Seong
J. Kang
U. Chai
D. H. Mac
C. H. Oh*
Hanyang University, Korea