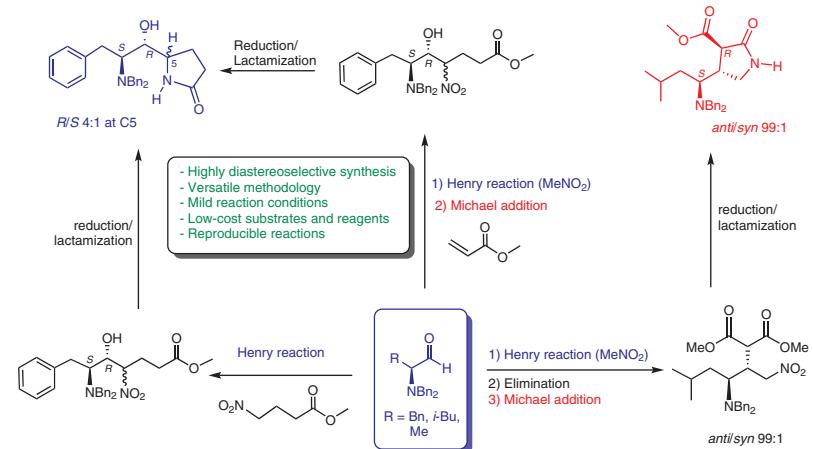


Synthesis

Reviews and Full Papers in Chemical Synthesis

December 1, 2020 • Vol. 52, 3493–3692



Divergent and Diastereoselective Synthesis of α -Monosubstituted and *trans*- α,β -Disubstituted γ -Lactams from (*S*)-*N,N*-Dibenzyl- α -amino Aldehydes via Henry and Michael Reactions

F. P. Meirelís, B. G. N. Vieira, V. L. P. Pereira

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 Thieme

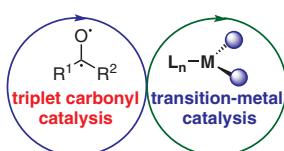
Synthesis

Synthesis 2020, 52, 3493–3510
DOI: 10.1055/s-0040-1707183

D.-L. Zhu
D. J. Young
H.-X. Li*
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Carbonyl-Photoredox/Metal Dual Catalysis: Applications in Organic Synthesis

Review
3493



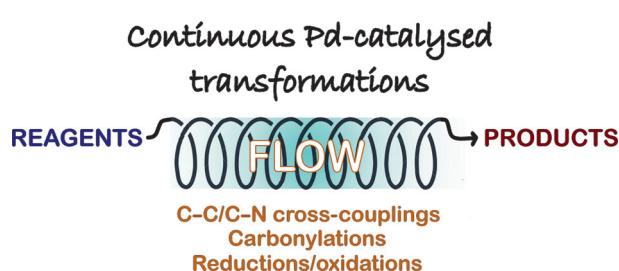
Synthesis

Synthesis 2020, 52, 3511–3529
DOI: 10.1055/s-0040-1707212

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Recent Applications of Continuous Flow in Homogeneous Palladium Catalysis

Review
3511



Synthesis

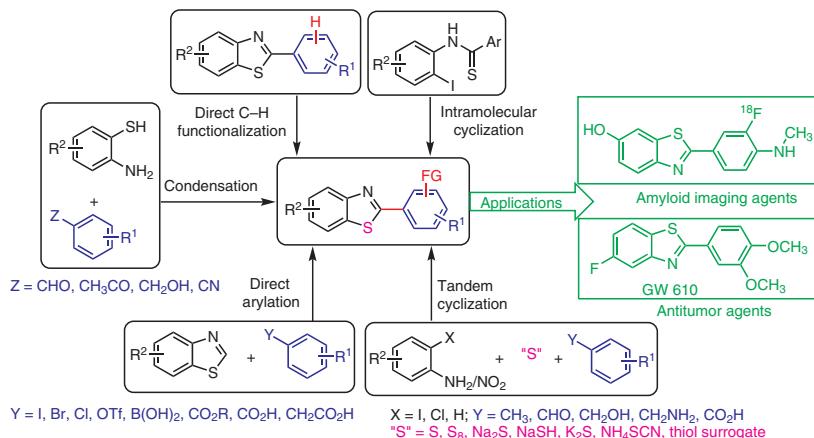
Synthesis 2020, 52, 3530–3548
DOI: 10.1055/s-0040-1707208

Recent Advances in the Synthesis and Applications of 2-Arylbenzothiazoles**Short Review**

3530

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**Synthesis**

Synthesis 2020, 52, 3549–3563
DOI: 10.1055/s-0040-1707239

Progress on Iridium-Catalyzed Hydrosilylation of Alkenes and Alkynes**Short Review**

3549

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**Synthesis**

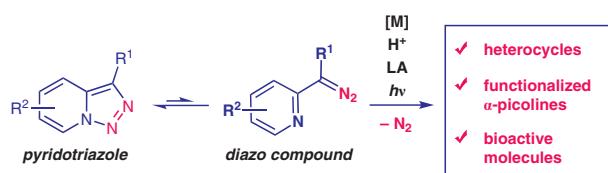
Synthesis 2020, 52, 3564–3576
DOI: 10.1055/s-0040-1707254

Recent Advances in Denitrogenative Reactions of Pyridotriazoles**Short Review**

3564

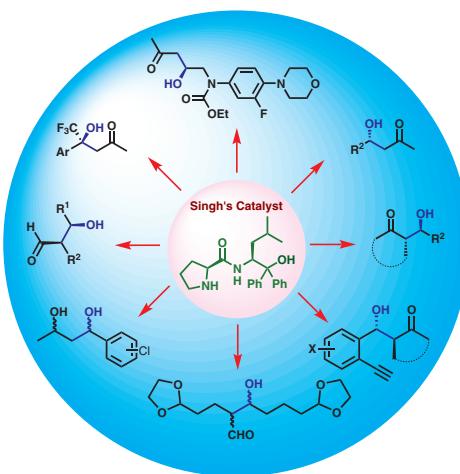
I. P. Filippov
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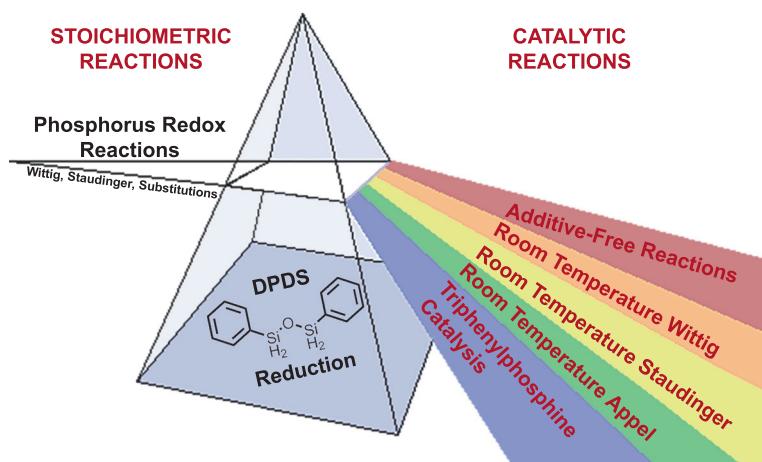
Synthesis 2020, 52, 3577–3582
DOI: 10.1055/s-0040-1707235

M. Khandelwal
S. K. Ray
R. K. Khangarot*
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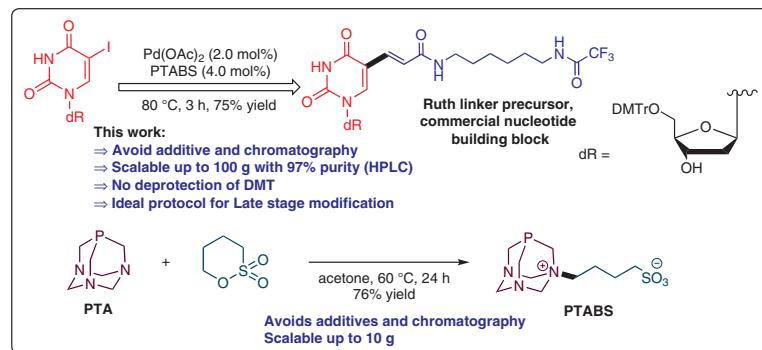
Synthesis 2020, 52, 3583–3594
DOI: 10.1055/s-0040-1707345

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Synthesis 2020, 52, 3595–3603
DOI: 10.1055/s-0040-1707260

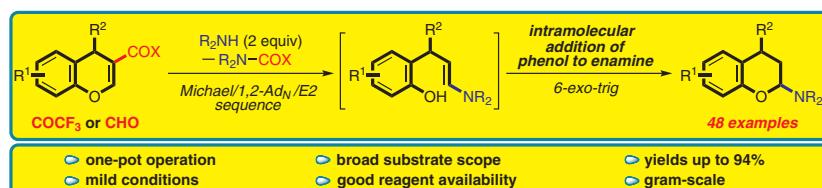
S. Bhilare
S. Kori
H. Shet
G. Balaram
K. Mahendar
Y. S. Sanghvi
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V. A. Osyanin*
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 I. V. Melnikova
 K. S. Korzhenko
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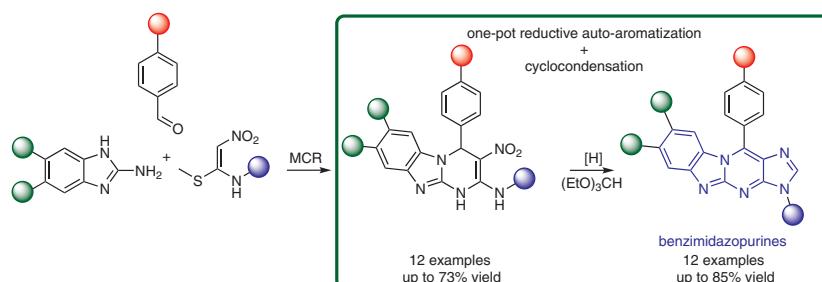
Catalyst-Free Synthesis of Chromane-Type N,O-Acetals via Intramolecular Addition of Phenols to Enamines



V. V. Fedotov*
 E. N. Ulomsky
 K. V. Savateev
 E. M. Mukhin
 D. A. Gazizov
 E. B. Gorbunov
 V. L. Rusinov

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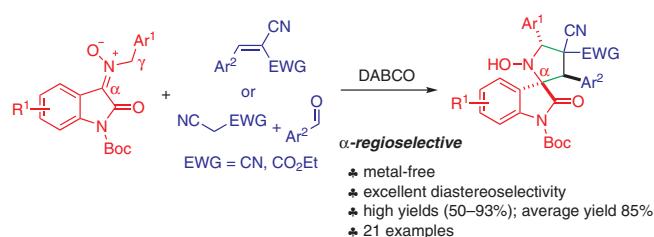
A PASE Approach to the Synthesis of Benzimidazopurines as Polycondensed Purine Derivatives



X. Cheng
 W. Fei
 Z. Luo
 J. Li
 Z. Wang*
 W. Yao*

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DABCO-Catalyzed α -Regio- and Diastereoselective (3+2) Cycloadditions of Nitrone Ylides from Isatins and Activated Alkenes



X.-Z. Zhang*

Z.-W. Qiu

G.-H. Wen

A.-J. Ma

P.-J. Bao

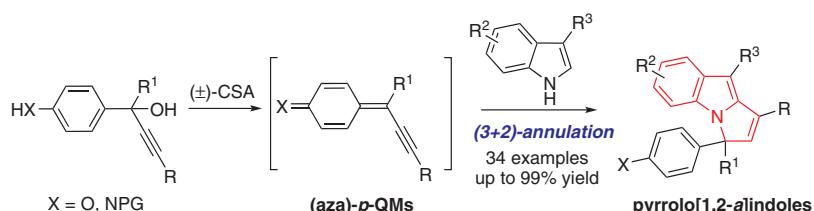
J.-Y. Du

X.-T. Xu

N. Feng

B. Q. Li*

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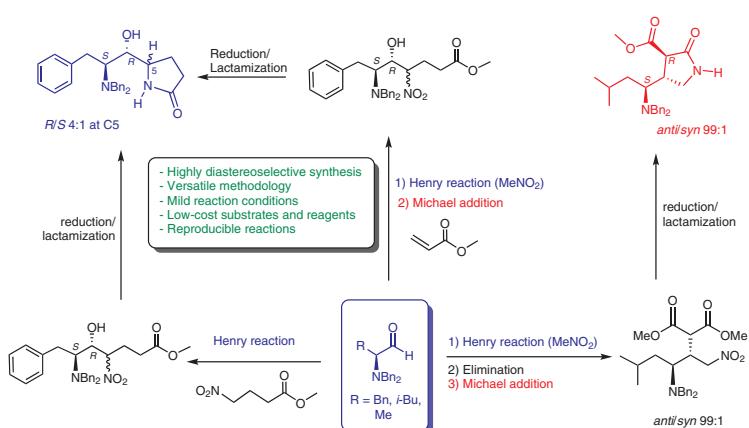
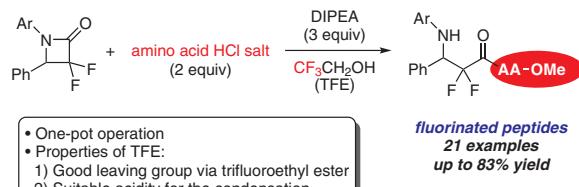
Synthesis of Pyrrolo[1,2-*a*]indoles via (3+2)-Annulations of (Aza)-*para*-Quinone Methides with Indoles

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B. G. N. Vieira

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Divergent and Diastereoselective Synthesis of α -Monosubstituted and *trans*- α,β -Disubstituted γ -Lactams from (*S*)-*N,N*-Dibenzyl- α -amino Aldehydes via Henry and Michael ReactionsOne-Pot Ring-Opening Peptide Synthesis Using α,α -Difluoro- β -LactamsA. Tarui
M. Ueo
M. Morikawa
M. Tsuta
S. Iwasaki
N. Morishita
Y. Karuo
K. Sato
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Synthesis

Synthesis 2020, 52, 3667–3674
DOI: 10.1055/s-0040-1706421

Asymmetric Synthesis of a Bicyclo[4.3.0]nonene Derivative Bearing a Quaternary Carbon Stereocenter: Desymmetrization of σ -Symmetrical Diketones through Intramolecular Addition of an Alkenyl Anion

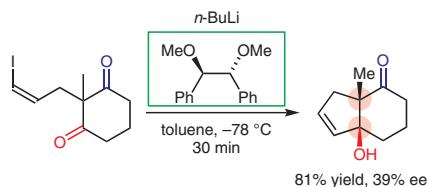
Paper

3667

T. Yoshimura*

Y. Enami

J.-i. Matsuo

Kanazawa University,
Japan**Synthesis**

Synthesis 2020, 52, 3675–3683
DOI: 10.1055/s-0040-1707236

Large-Scale Synthesis of 2-Chlorotetrahydroquinoline and 2-Chlorotetrahydroquinolin-8-one

Paper

3675

Z. Zong

K. Wu

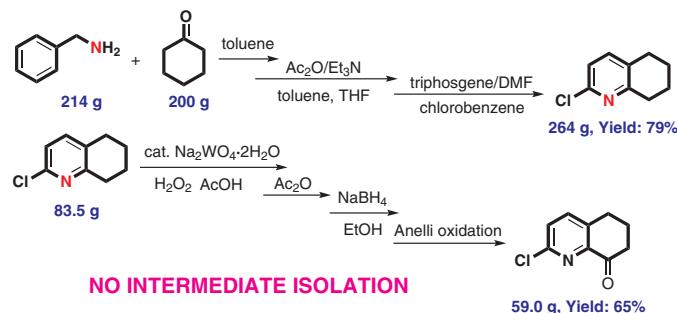
L. Jin*

N. Sun

B. Hu

Z. Shen

X. Hu*

Zhejiang University of Technology,
P. R. of China**Synthesis**

Synthesis 2020, 52, 3684–3692
DOI: 10.1055/s-0040-1707237

Catalytic Asymmetric Substitution Reaction of 3-Substituted 2-Indolylmethanols with 2-Naphthols

Paper

3684

J.-P. Lan

Y.-N. Lu

K.-W. Chen

F. Jiang

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