

## Synthesis

*Synthesis* 2019, 51, 3567–3587  
DOI: 10.1055/s-0039-1690015

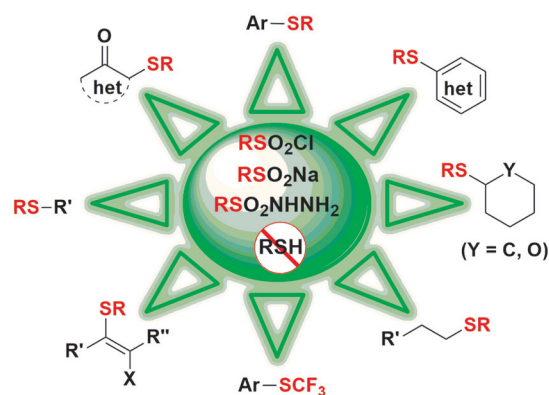
R. Wu  
K. Huang  
G. Qiu\*  
J.-B. Liu\*

Jiangxi University of Science and  
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Jiaxing University, P. R. of China

## Synthesis of Thioethers from Sulfonyl Chlorides, Sodium Sulfinates, and Sulfonyl Hydrazides

Review

3567



## Synthesis

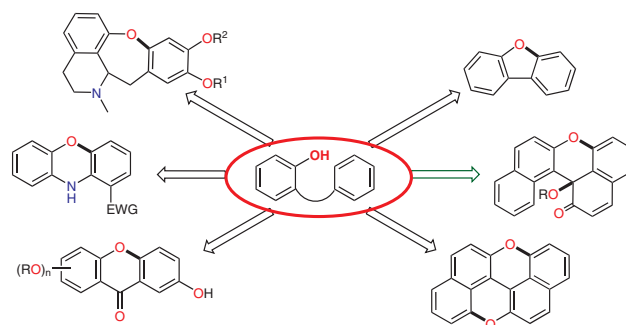
*Synthesis* 2019, 51, 3588–3599  
DOI: 10.1055/s-0037-1611892

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## O-Annulation Leading to Five-, Six-, and Seven-Membered Cyclic Diaryl Ethers Involving C–H Cleavage

Short Review

3588



## Synthesis

Synthesis 2019, 51, 3600–3610  
DOI: 10.1055/s-0037-1611854

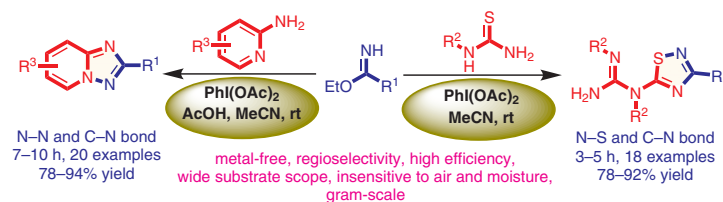
T. Nagaraju  
P. R. Krishna\*  
B. Sridhar  
N. Mangarao\*

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Technology, India

### PhI(OAc)<sub>2</sub>-Mediated Regioselective Synthesis of 5-Guanidino-1,2,4-thiadiazoles and 1,2,4-Triazolo[1,5-a]pyridines via Oxidative N–S and N–N Bond Formation

Paper

3600



## Synthesis

Synthesis 2019, 51, 3611–3616  
DOI: 10.1055/s-0037-1611889

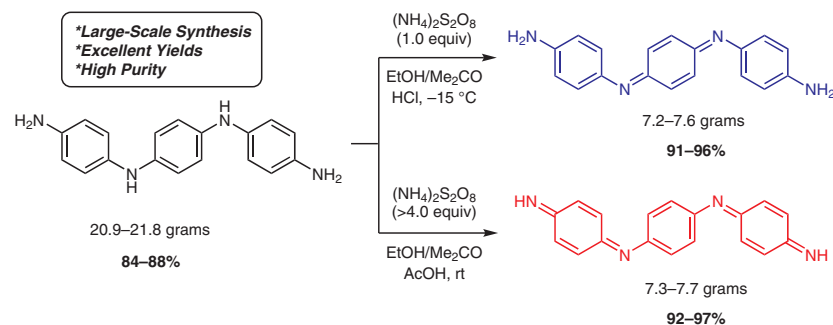
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### Large-Scale Synthesis of Aniline Trimers in Different Oxidation States

Paper

3611



## Synthesis

Synthesis 2019, 51, 3617–3624  
DOI: 10.1055/s-0039-1690104

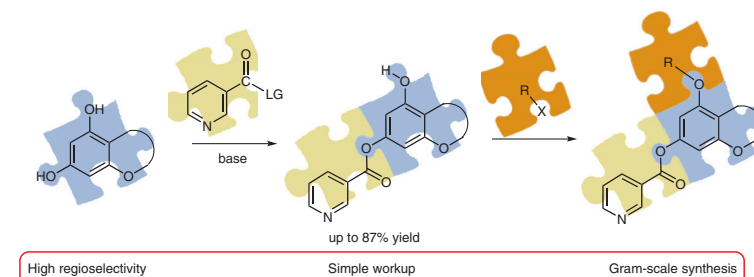
R. F. Fatykhov  
I. A. Khalymbadza\*  
O. N. Chupakhin  
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### 1-Nicotinoylbenzotriazole: A Convenient Tool for Site-Selective Protection of 5,7-Dihydroxycoumarins

Paper

3617



## Synthesis

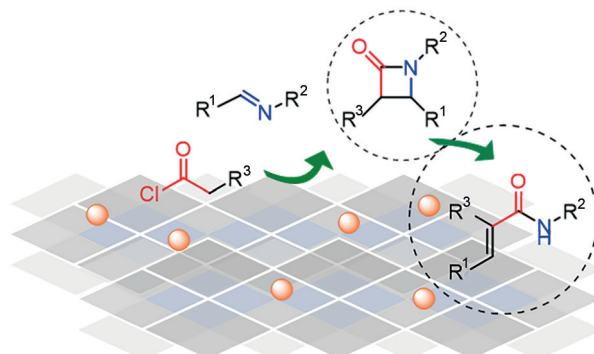
Synthesis 2019, 51, 3625–3637  
DOI: 10.1055/s-0037-1611851

A. Galván  
F. N. de la Cruz  
F. Cruz  
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### Heterogeneous Catalysis with Basic Compounds to Achieve the Synthesis and C–N Cleavage of Azetidin-2-ones under Microwave Irradiation

Paper

3625



## Synthesis

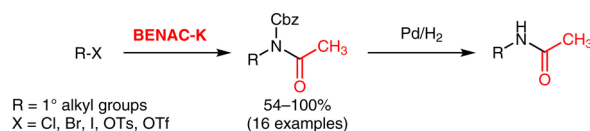
Synthesis 2019, 51, 3638–3650  
DOI: 10.1055/s-0039-1690097

T. Sakai\*  
T. Tatematsu  
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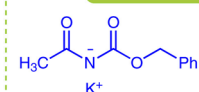
### Benzyl Acetylcarbamate Potassium Salt (BENAC-K): A Simple Nucleophilic N-Acetamide Equivalent

Paper

3638



BENAC-K (Benzyl acetylcarbamate potassium salt)



simple reagent for acetamide installation  
easy preparation (>10 g)  
stable under atmospheric conditions

## Synthesis

Synthesis 2019, 51, 3651–3666  
DOI: 10.1055/s-0039-1690002

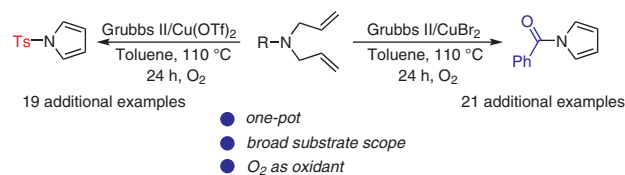
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Y. Liu  
Y.-C. Wu\*

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P. R. of China  
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medical Industrial Technology,  
P. R. of China

### Synthesis of N-Sulfonyl- and N-Acylpyrroles via a Ring-Closing Metathesis/Dehydrogenation Tandem Reaction

Paper

3651



## Synthesis

*Synthesis* **2019**, *51*, 3667–3674  
DOI: 10.1055/s-0039-1690105

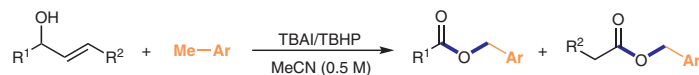
Y. Chen  
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Y. Cui\*  
M. Sun  
X. Jia\*  
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### Bu<sub>4</sub>Ni-Catalyzed C–C Bond Cleavage and Oxidative Esterification of Allyl Alcohols with Toluene Derivatives

Paper

3667



24 examples  
54–94% yield

- Unusual C–C Bond Cleavage of Allyl Alcohol
- Readily Available Toluene Derivative as Precursor

## Synthesis

*Synthesis* **2019**, *51*, 3675–3682  
DOI: 10.1055/s-0037-1611902

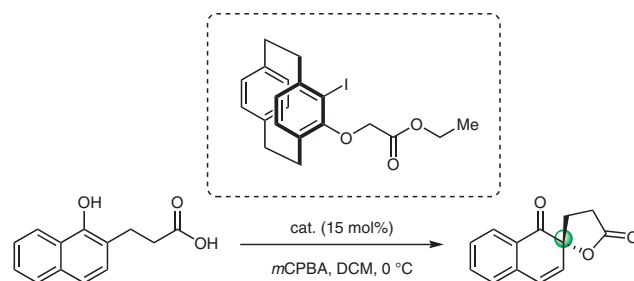
Y. Wang  
C.-Y. Zhao  
Y.-P. Wang  
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### Enantioselective Intramolecular Dearomative Lactonization of Naphthols Catalyzed by Planar Chiral Iodoarene

Paper

3675



69% yield, 72% ee

## Synthesis

*Synthesis* **2019**, *51*, 3683–3696  
DOI: 10.1055/s-0037-1611893

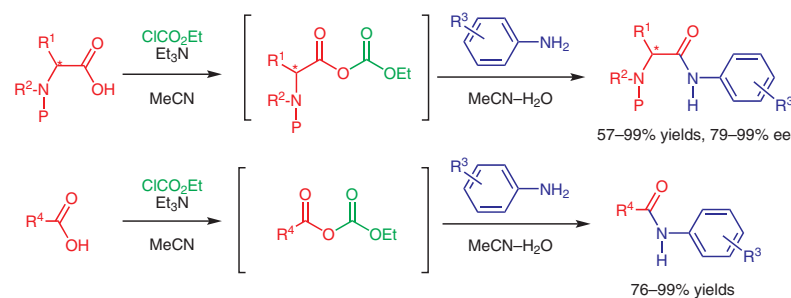
S. Jung  
Y. Kawashima  
T. Noguchi  
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### Synthesis of Acetaminophen Analogues Containing $\alpha$ -Amino Acids and Fatty Acids for Inhibiting Hepatotoxicity

Paper

3683



## Synthesis

*Synthesis* 2019, 51, 3697–3708  
DOI: 10.1055/s-0037-1611883

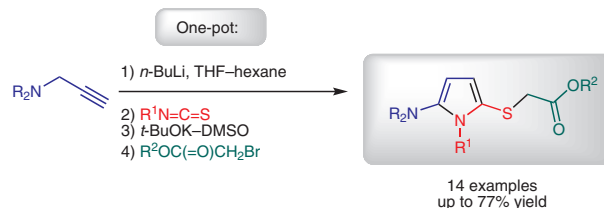
**O. A. Tarasova**  
**N. A. Nedolya\***  
**A. I. Albanov**  
**B. A. Trofimov\***

A. E. Favorsky Irkutsk Institute of  
Chemistry, Russian Federation

### Synthesis of 2-[(5-Amino-1*H*-pyrrol-2-yl)sulfanyl]acetic Acid Esters: One-Pot Assembly from Propargyl Amines, Isothiocyanates, and Alkyl 2-Bromoacetates

Paper

3697



## Synthesis

*Synthesis* 2019, 51, 3709–3714  
DOI: 10.1055/s-0039-1690005

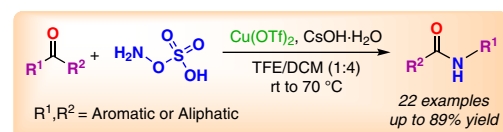
**S. Munnuri**  
**S. Verma**  
**D. Chandra**  
**R. R. Anugu**  
**J. R. Falck**  
**J. L. Jat\***

Babasaheb Bhimrao Ambedkar  
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### Cu(OTf)<sub>2</sub>-Catalyzed Beckmann Rearrangement of Ketones Using Hydroxylamine-*O*-sulfonic Acid (HOSA)

Paper

3709



- One pot, operationally simple
- Water-soluble by-product
- Open flask
- Secondary amide directly from ketone
- Excellent yields, broad scope
- Wide functional group tolerance

## Synthesis

*Synthesis* 2019, 51, 3715–3722  
DOI: 10.1055/s-0039-1690004

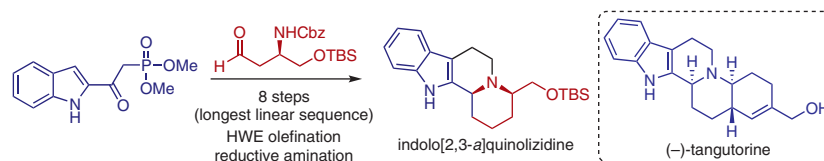
**C. R. Reddy\***  
**K. Warudikar**  
**B. Latha**

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Technology, India

### Facile Strategy to Access the Indolo[2,3-*a*]quinolizidine Framework: Synthetic Study on Tangutorine

Paper

3715



## Synthesis

Synthesis 2019, 51, 3723–3735  
DOI: 10.1055/s-0039-1690102

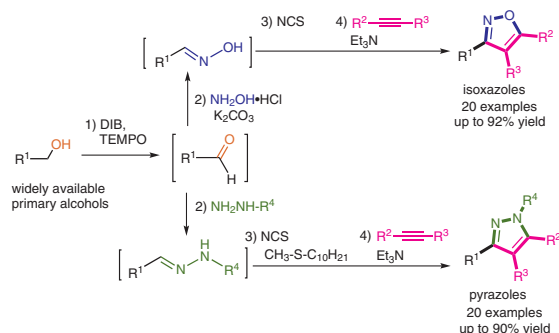
E. Kobayashi  
H. Togo\*

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### Facile One-Pot Transformation of Primary Alcohols into 3-Aryl- and 3-Alkyl-isoxazoles and -pyrazoles

Paper

3723



## Synthesis

Synthesis 2019, 51, 3736–3746  
DOI: 10.1055/s-0039-1690127

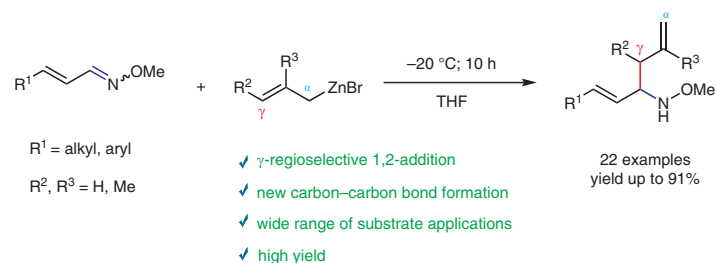
B. Yang  
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### Highly $\gamma$ -Regioselective 1,2-Addition of $\alpha,\beta$ -Unsaturated Oxime Ethers with Allylzinc Bromides: A Straightforward Approach for the Synthesis of Homoallylic Amines

Paper

3736



## Synthesis

Synthesis 2019, 51, 3747–3757  
DOI: 10.1055/s-0039-1690000

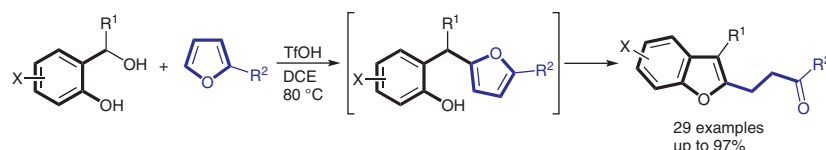
A. S. Makarov  
A. E. Kekhvaeva  
P. N. Chalikidi  
V. T. Abaev  
I. V. Trushkov  
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Russian Federation

### A Simple Synthesis of Densely Substituted Benzofurans by Domino Reaction of 2-Hydroxybenzyl Alcohols with 2-Substituted Furans

Paper

3747



S. Redon\*  
 A. R. O. Kosso  
 J. Broggi  
 P. Vanelle\*

Aix Marseille Univ, France

## Metal-Free *ipso*-Selenocyanation of Arylboronic Acids Using Malononitrile and Selenium Dioxide

