

Synthesis

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

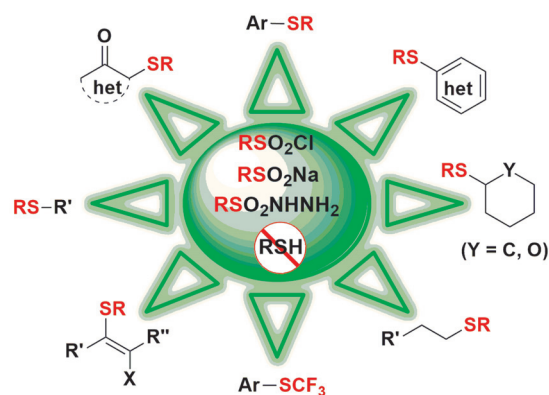
R. Wu
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Jiaxing University, P. R. of China

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

Review

3567



Synthesis

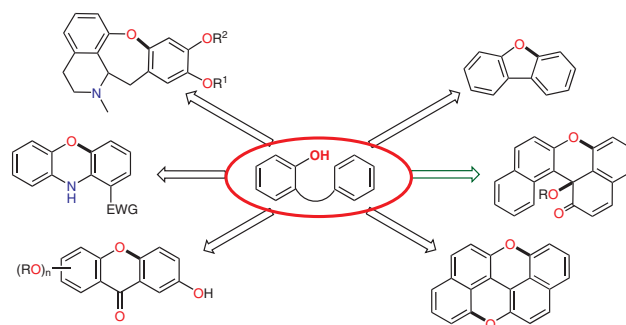
Synthesis 2019, 51, 3588–3599
DOI: 10.1055/s-0037-1611892

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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

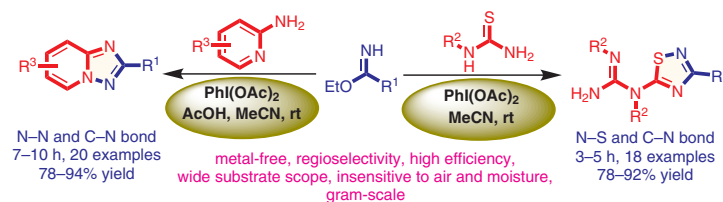
T. Nagaraju
P. R. Krishna*
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PhI(OAc)₂-Mediated Regioselective Synthesis of 5-Guanidino-1,2,4-thiadiazoles and 1,2,4-Triazolo[1,5-a]pyridines via Oxidative N–S and N–N Bond Formation

Paper

3600



Synthesis

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

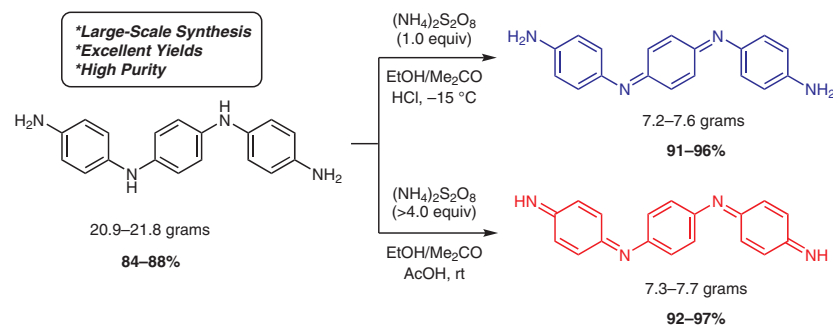
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Large-Scale Synthesis of Aniline Trimers in Different Oxidation States

Paper

3611



Synthesis

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

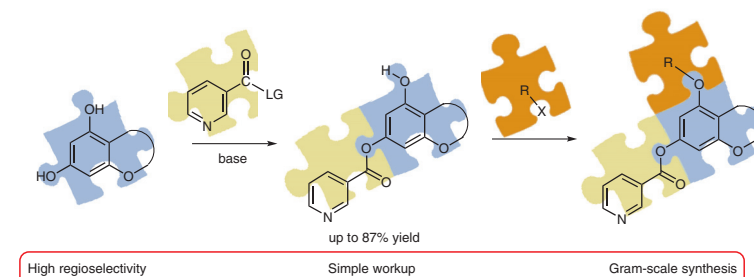
R. F. Fatykhov
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V. N. Charushin
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1-Nicotinoylbenzotriazole: A Convenient Tool for Site-Selective Protection of 5,7-Dihydroxycoumarins

Paper

3617



Synthesis

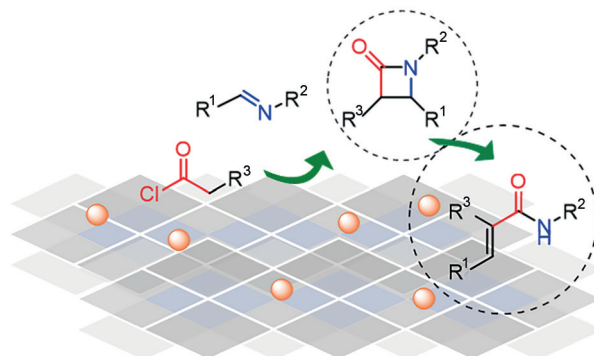
Synthesis 2019, 51, 3625–3637
DOI: 10.1055/s-0037-1611851

A. Galván
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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

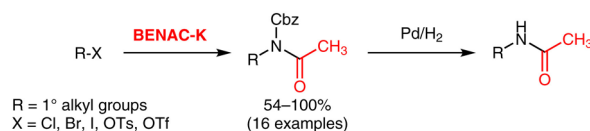
Synthesis 2019, 51, 3638–3650
DOI: 10.1055/s-0039-1690097

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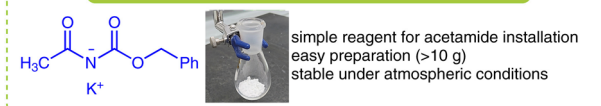
Benzyl Acetylcarbamate Potassium Salt (BENAC-K): A Simple Nucleophilic N-Acetamide Equivalent

Paper

3638



BENAC-K (Benzyl acetylcarbamate potassium salt)



Synthesis

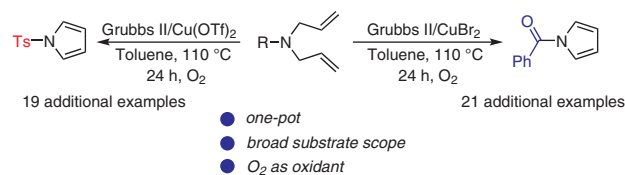
Synthesis 2019, 51, 3651–3666
DOI: 10.1055/s-0039-1690002

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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

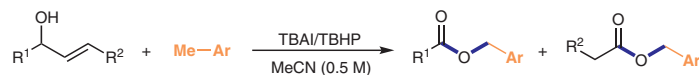
Y. Chen
C. Li
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P. R. of China

Bu₄Ni-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

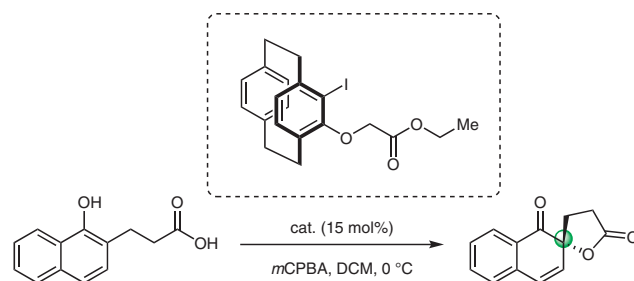
Y. Wang
C.-Y. Zhao
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Enantioselective Intramolecular Dearomative Lactonization of Naphthols Catalyzed by Planar Chiral Iodoarene

Paper

3675



69% yield, 72% ee

Synthesis

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

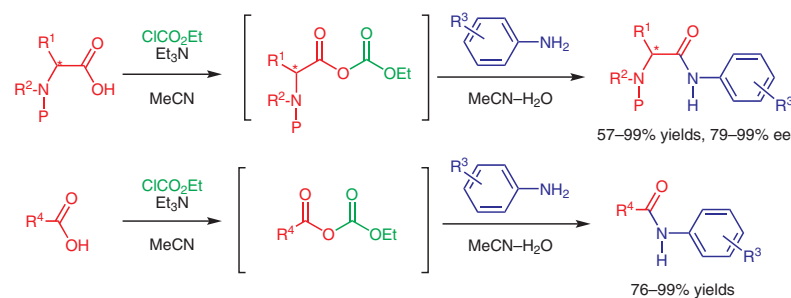
S. Jung
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Synthesis of Acetaminophen Analogues Containing α -Amino Acids and Fatty Acids for Inhibiting Hepatotoxicity

Paper

3683



57–99% yields, 79–99% ee

76–99% yields

Synthesis

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

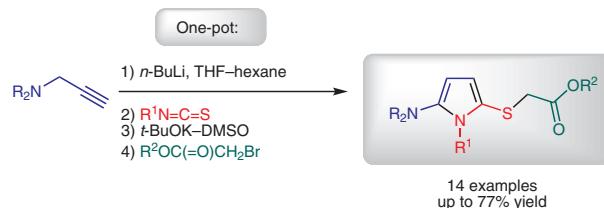
O. A. Tarasova
N. A. Nedolya*
A. I. Albanov
B. A. Trofimov*

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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

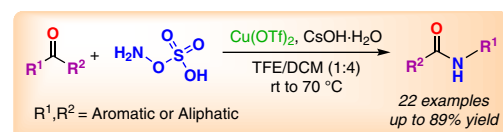
S. Munnuri
S. Verma
D. Chandra
R. R. Anugu
J. R. Falck
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Cu(OTf)₂-Catalyzed Beckmann Rearrangement of Ketones Using Hydroxylamine-*O*-sulfonic Acid (HOSA)

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

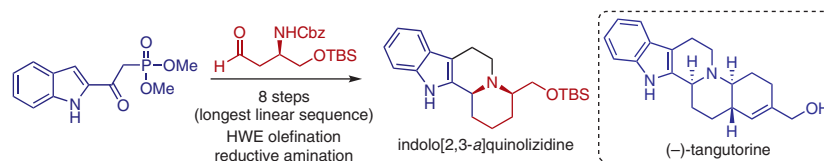
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Facile Strategy to Access the Indolo[2,3-*a*]quinolizidine Framework: Synthetic Study on Tangutorine

Paper

3715



Synthesis

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

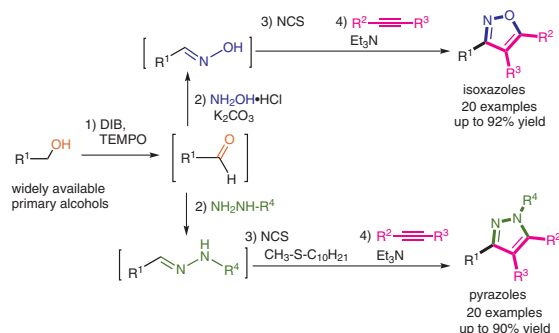
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Facile One-Pot Transformation of Primary Alcohols into 3-Aryl- and 3-Alkyl-isoxazoles and -pyrazoles

Paper

3723



Synthesis

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

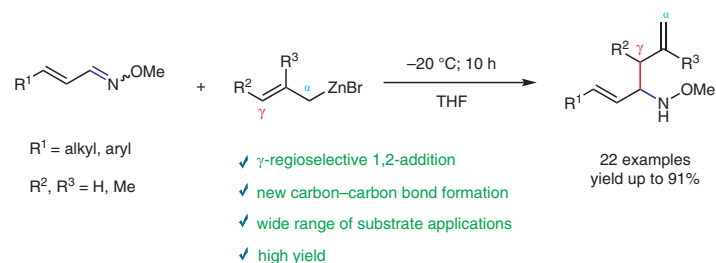
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Highly γ -Regioselective 1,2-Addition of α,β -Unsaturated Oxime Ethers with Allylzinc Bromides: A Straightforward Approach for the Synthesis of Homoallylic Amines

Paper

3736



Synthesis

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

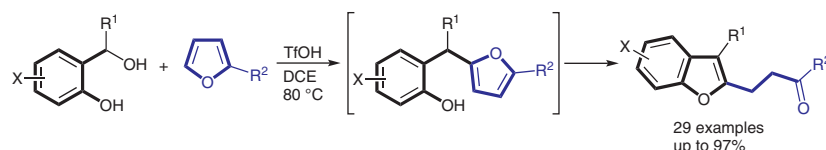
A. S. Makarov
A. E. Kekhvaeva
P. N. Chalikidi
V. T. Abaev
I. V. Trushkov
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A Simple Synthesis of Densely Substituted Benzofurans by Domino Reaction of 2-Hydroxybenzyl Alcohols with 2-Substituted Furans

Paper

3747



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

