

Synthesis

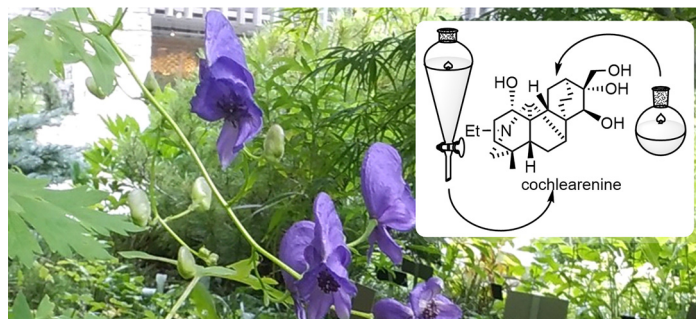
Recent Advances Towards Syntheses of Diterpenoid Alkaloids

Review

Synthesis 2019, 51, 3915–3946
DOI: 10.1055/s-0037-1611897

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3915

Synthesis

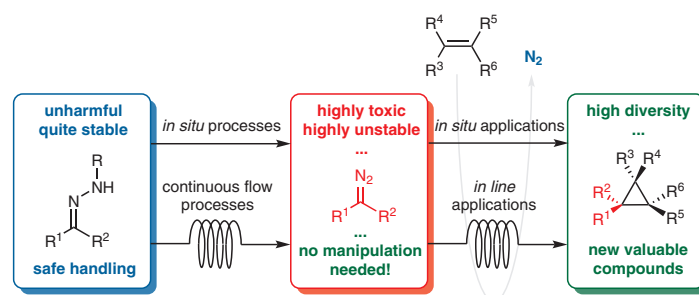
Cyclopropanation Reactions of Semi-stabilized and Non-stabilized Diazo Compounds

Short Review

Synthesis 2019, 51, 3947–3963
DOI: 10.1055/s-0037-1611915

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3947

Synthesis

Synthesis 2019, 51, 3964–3972
DOI: 10.1055/s-0039-1690521

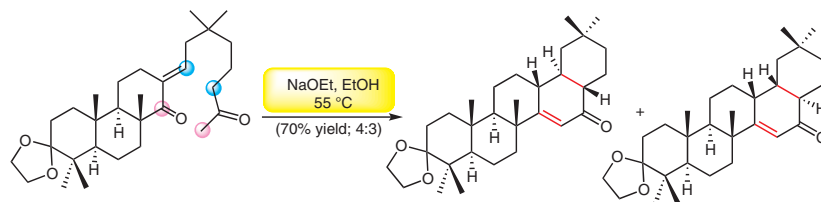
J. Lu
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H. Fan
J. Desper
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A One-Pot Intramolecular Tandem Michael–Aldol Annulation Reaction for the Synthesis of Chiral Pentacyclic Terpenes

Paper

3964



Synthesis

Synthesis 2019, 51, 3973–3980
DOI: 10.1055/s-0039-1690182

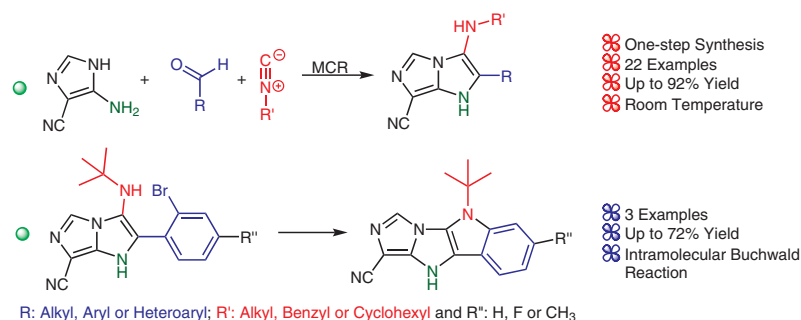
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One-Step Synthesis of 1*H*-Imidazo[1,5-*a*]imidazole Scaffolds and Access to their Polyheterocycles

Paper

3973



Synthesis

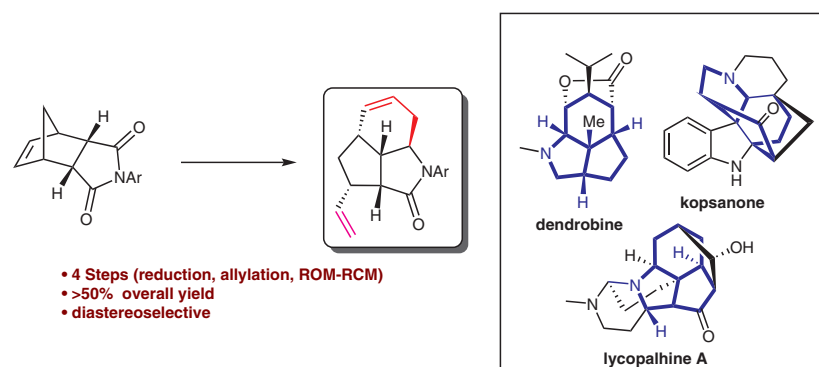
Synthesis 2019, 51, 3981–3988
DOI: 10.1055/s-0039-1690620

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A Metathetic Approach to [5/5/6] Aza-Tricyclic Core of Dendrobine, Kopsanone, and Lycopalhine A Type of Alkaloids

Paper

3981



Synthesis

Synthesis **2019**, *51*, 3989–3997
DOI: 10.1055/s-0039-1690179

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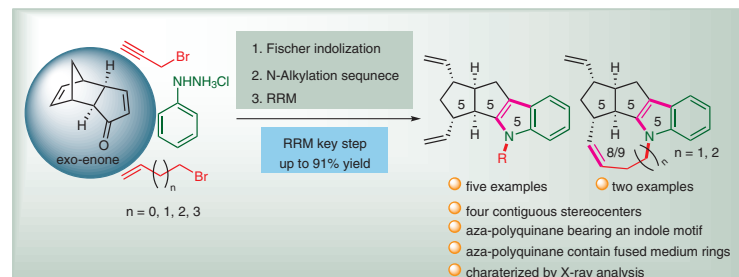
S. Ansari

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Synthesis of Aza-polyquinanes via Fischer Indolization and Ring-Rearrangement Metathesis as Key Steps

Paper

3989



Synthesis

Synthesis **2019**, *51*, 3998–4005
DOI: 10.1055/s-0039-1690159

S. Chuprun

D. Dar'in

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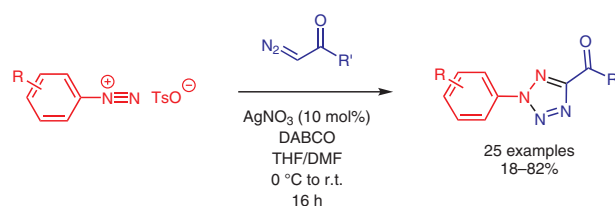
M. Krasavin*

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[3+2]-Cycloaddition of α -Diazocarbonyl Compounds with Arenediazonium Salts Catalyzed by Silver Nitrate Delivers 2,5-Disubstituted Tetrazoles

Paper

3998



R = H, EWG or EDG, R' = alkyl, (hetero)aryl or 2° amino

Synthesis

Synthesis **2019**, *51*, 4006–4013
DOI: 10.1055/s-0039-1690153

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P.-O. Delaye

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M. Abarbri

P. Lameiras

A. Gueiffier

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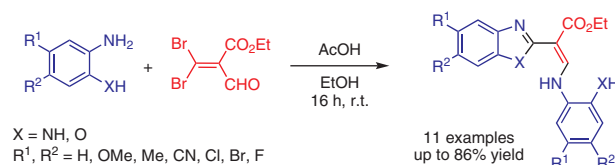
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Direct Access to Highly Functionalised Benzimidazoles and Benzoxazoles from a Common Precursor

Paper

4006



Synthesis

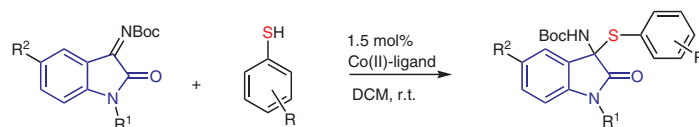
Synthesis 2019, 51, 4014–4022
DOI: 10.1055/s-0037-1611913

C. D. G. da Silva
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Cobalt Used as a Novel and Reusable Catalyst: A New and One-Pot Synthesis of Isatin-Derived *N,S*-Acetals Using Substituted Isatins and Thiols

Paper

4014



R¹ = H, Pr, *i*-Pr, Me, 4-BrC₆H₄CH₂, Ph
R² = H, Br, Cl
R = H, Me, OMe, F, Cl, NH₂

Heterogeneous catalyst
Recyclability
Novel catalyst
Low catalyst loading
Gram-scale synthesis
Green chemical approach
Yields: 18–99%
21 examples

Synthesis

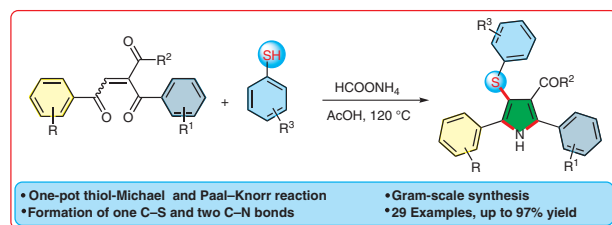
Synthesis 2019, 51, 4023–4033
DOI: 10.1055/s-0039-1690024

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An Expedient, Direct, Three-Component Approach for the Synthesis of 4-Thioarylpyrroles

Paper

4023



Synthesis

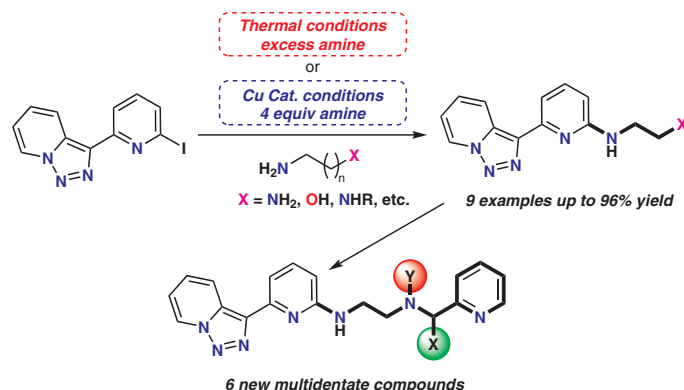
Synthesis 2019, 51, 4034–4042
DOI: 10.1055/s-0037-1611901

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Combining Amines and 3-(2-Pyridyl)-[1,2,3]Triazolo[1,5-*a*]pyridine: An Easy Access to New Functional Polynitrogenated Ligands

Paper

4034



Synthesis

Synthesis 2019, 51, 4043–4057
DOI: 10.1055/s-0039-1690186

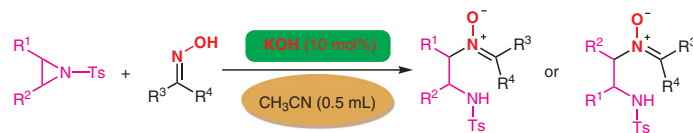
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Direct Synthesis of Nitrones via Transition-Metal-Free Ring-Opening of *N*-Tosylaziridines with the Nitrogen Atom of Various (*E*)-Aldoximes and (*E*)-Ketoximes

Paper

4043



R³ = Ph, R⁴ = H, alkyl
R³ = alkyl, R⁴ = alkyl
R³ = Heteroaryl, R⁴ = Me

- 59 examples
- up to 99% yields
- up to 100% regioselectivity

Synthesis

Synthesis 2019, 51, 4058–4065
DOI: 10.1055/s-0039-1690155

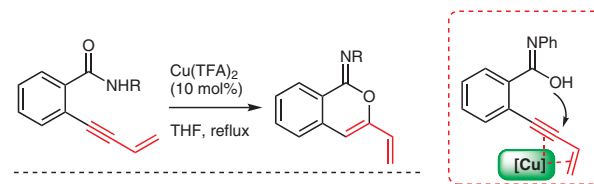
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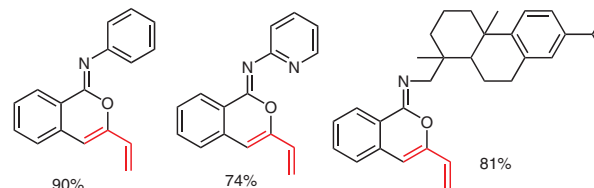
Copper-Catalyzed 6-endo-dig O-Cyclization of 2-(But-3-en-1-yn-1-yl)benzamide

Paper

4058



Selected examples:



Synthesis

Synthesis 2019, 51, 4066–4077
DOI: 10.1055/s-0039-1690019

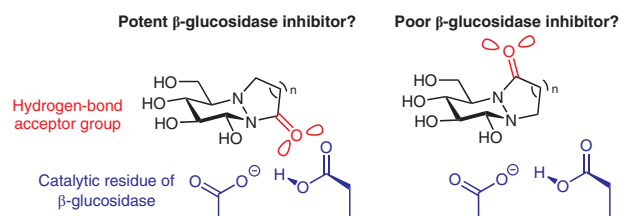
T. C. S. Evangelista
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S. B. Ferreira
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Bicyclic 1-Azafagomine Derivatives: Synthesis and Glycosidase Inhibitory Testing

Paper

4066



Synthesis

Synthesis 2019, 51, 4078–4084
DOI: 10.1055/s-0039-1690178

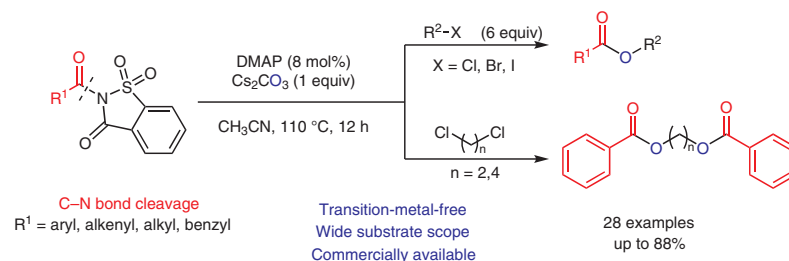
J. Jian
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A Straightforward Conversion of Activated Amides and Haloalkanes into Esters under Transition-Metal-Free Cs₂CO₃/DMAP Conditions

Paper

4078



Synthesis

Synthesis 2019, 51, 4085–4105
DOI: 10.1055/s-0037-1611904

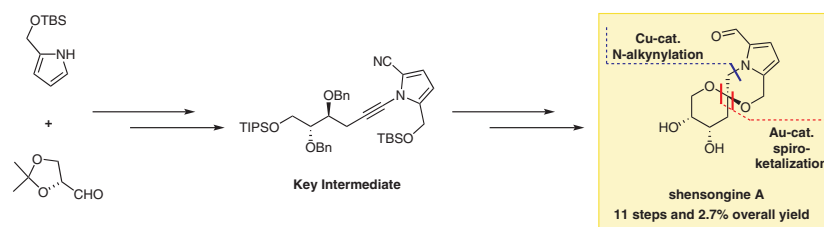
B. J. Reinus
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N-Alkynyl Pyrrole Based Total Synthesis of Shensongine A

Paper

4085



Synthesis

Synthesis 2019, 51, 4106–4112
DOI: 10.1055/s-0039-1690150

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Evaluation of Amino Nitriles and an Amino Imidate as Organocatalysts in Aldol Reactions

Paper

4106

