Recent Advances Towards Syntheses of Diterpenoid Alkaloids

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

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A One-Pot Intramolecular Tandem Michael–Aldol Annulation Reaction for the Synthesis of Chiral Pentacyclic Terpenes

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[Chemical structures with reaction conditions and yields]

One-Step Synthesis of 1H-Imidazo[1,5-\(\alpha\)]imidazole Scaffolds and Access to their Polyheterocycles

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[Chemical structures with reactions and yields]


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[Chemical structures with reactions and yields]
Synthesis of Aza-polyquinanes via Fischer Indolization and Ring-Rearrangement Metathesis as Key Steps

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

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

A. Garrido
P.-O. Delaye
F. Quintin
M. Abarbri
P. Lameiras
A. Gueiffier
J. Thibonnet
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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

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R. Katla  
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**Cobalt**  
**Heterogeneous catalyst**  
**Recyclability**  
**Novel catalyst**  
**Low catalyst loading**  
**Gram-scale synthesis**  
**Green chemical approach**  
**Yields: 18–99%**

21 examples

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

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**An expedient, direct approach**  
**Three-component reaction**  
**Formation of one C–S and two C–N bonds**

**Gram-scale synthesis**  
**29 Examples, up to 97% yield**

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

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M. P. Clares  
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R. Ballesteros*  
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Universitat de València, Spain

**Thermal conditions**  
**Excess amine**  
**Cu Cat. conditions**  
**4 equiv amine**

**9 examples up to 96% yield**

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

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W. Yan
R. Zhang
H. Chang
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Copper-Catalyzed 6-endo-dig O-Cyclization of 2-(But-3-en-1-yn-1-yl)benzamide

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Z. Fang
G. Qiu*
W. Xie
J.-B. Liu*
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Bicyclic 1-Azafagomine Derivatives: Synthesis and Glycosidase Inhibitory Testing

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J. G. Fernández-Bolaños
S. B. Ferreira
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**A Straightforward Conversion of Activated Amides and Haloalkanes into Esters under Transition-Metal-Free Cs$_2$CO$_3$/DMAP Conditions**

J. Jian  
Z. Wang  
L. Chen  
Y. Gu  
L. Miao  
Y. Liu  
Z. Zeng*  
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**N-Alkynyl Pyrrole Based Total Synthesis of Shensongine A**

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

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A. J. Brown  
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