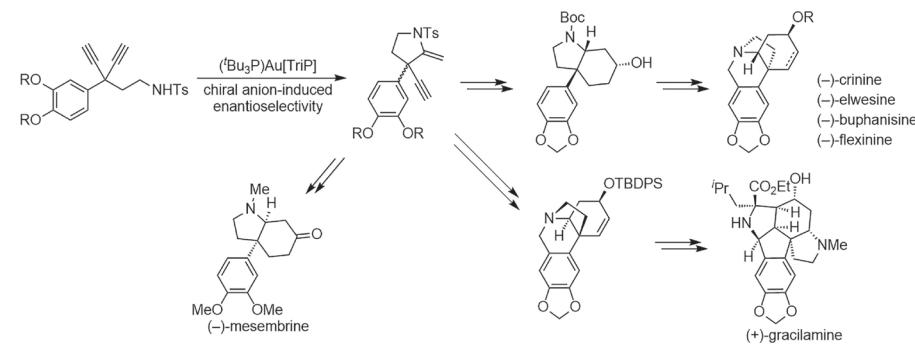


# Synthesis

Reviews and Full Papers in Chemical Synthesis

October 15, 2024 • Vol. 56, 3083–3232



## A Comprehensive Approach to C3a-Aryl-Substituted Hydroindole Alkaloids by Utilizing Enantioselective Gold Catalysis

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20



Thieme

**Synthesis**

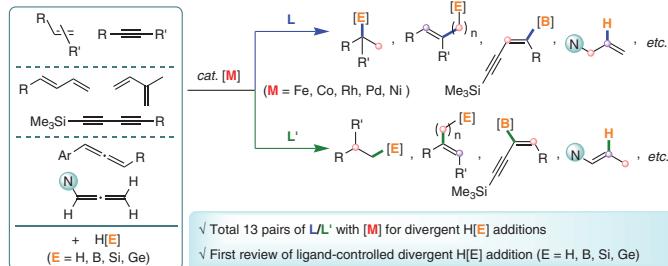
*Synthesis* 2024, 56, 3083–3107  
DOI: 10.1055/a-2335-8516

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**Recent Advances in Ligand-Controlled Regio- or Stereodivergent Transition-Metal-Catalyzed Hydroelementation ( $H[E]$ ) ( $E = H, B, Si, Ge$ ) of C–C Unsaturated Systems**

**Review**  
**3083**



**Synthesis**

*Synthesis* 2024, 56, 3108–3118  
DOI: 10.1055/a-2317-6730

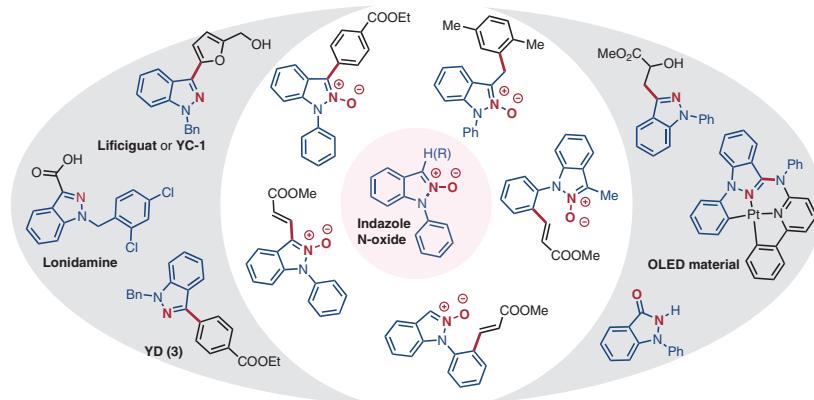
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**Synthesis and Utilization of 1*H*-Indazole *N*-Oxides in the Production of C3-Functionalized 1*H*-Indazoles**

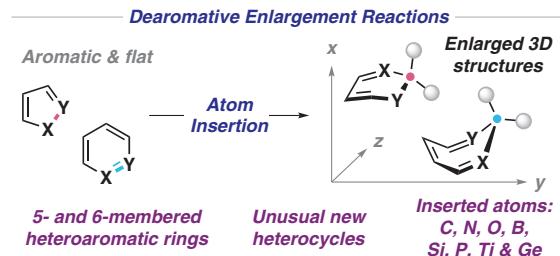
**Short Review**  
**3108**



Synthesis 2024, 56, 3119–3130  
DOI: 10.1055/a-2335-8799

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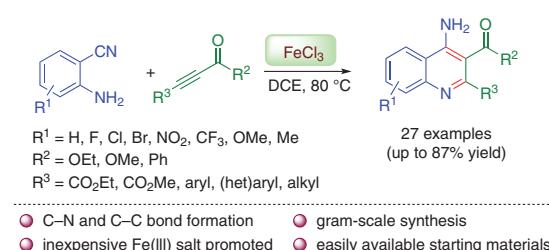
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Synthesis 2024, 56, 3131–3141  
DOI: 10.1055/a-2368-8500

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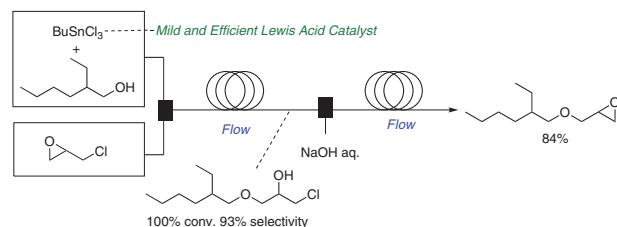
Indian Institute of Technology  
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Synthesis 2024, 56, 3142–3146  
DOI: 10.1055/a-2359-8893

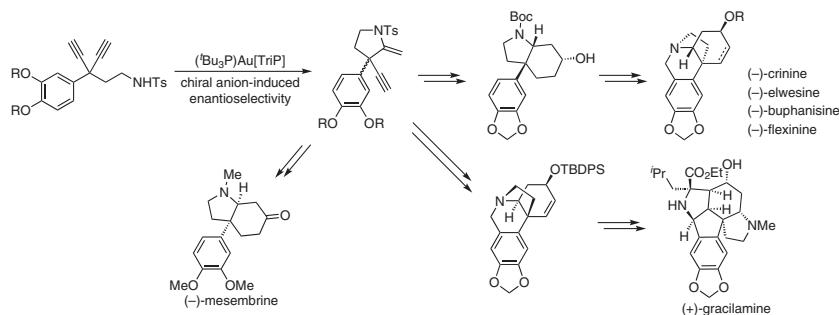
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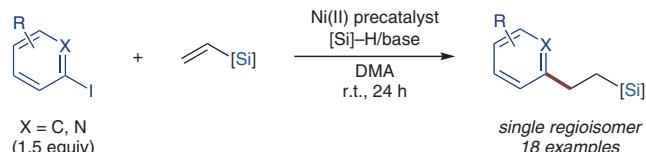
Synthesis 2024, 56, 3147–3159  
DOI: 10.1055/s-0043-1775389

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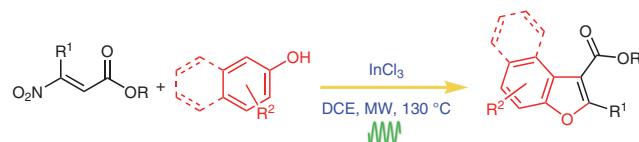
Synthesis 2024, 56, 3160–3166  
DOI: 10.1055/a-2367-2434

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Synthesis 2024, 56, 3167–3172  
DOI: 10.1055/a-2367-1877

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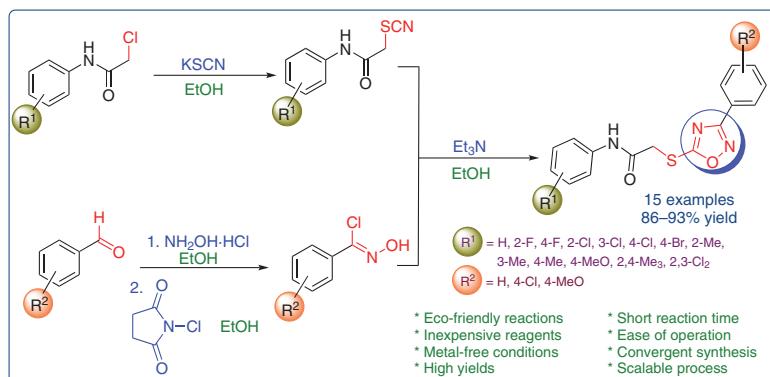
V. Y. Radhakrishna

C. L. Khatik

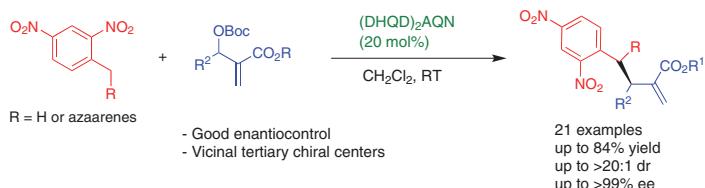
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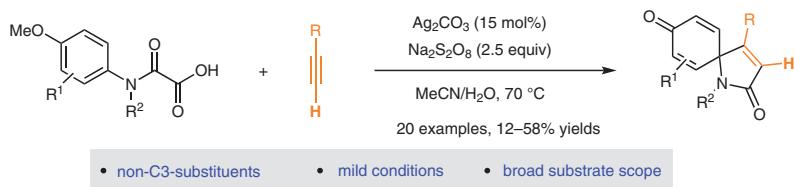
### 1,3-Dipolar Cycloaddition Reaction of Nitrile Oxide to Thiocyanates: An Efficient and Eco-Friendly Synthesis of *N*-Aryl-2-((3-aryl-1,2,4-oxadiazol-5-yl)thio)acetamides

Y.-D. Wu  
B.-W. Huang  
Y.-C. Chen  
J.-L. Han\*National Chung Hsing University,  
Taiwan R.O.C.

### Asymmetric Organocatalytic Benzylation of Morita–Baylis–Hillman Carbonates with 2,4-Dinitrotoluene Derivatives

C.-A. Jin  
R.-X. Liang\*  
Y.-X. Jia  
College of Chemical Engineering,  
P. R. of China

### Silver-Catalyzed Dearomatic [3+2] Spiroannulation of Aryl Oxamic Acids with Alkynes

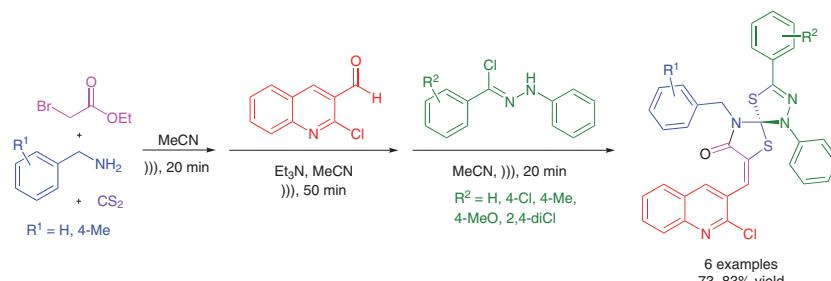


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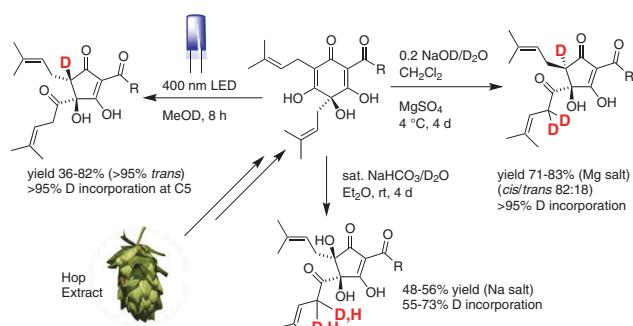
R. Luo

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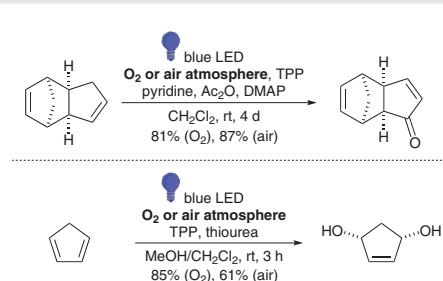
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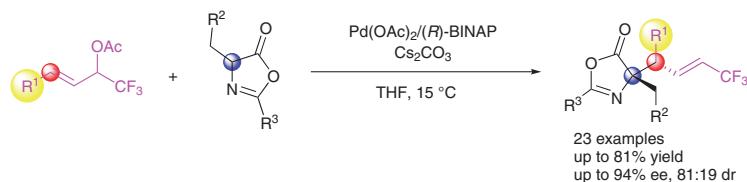
L. Sun

D. Li

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J. Qu

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- Good yields, exclusive regioselectivity and good stereoselectivity
- Mild reaction conditions
- Readily scalable to gram scale
- Diverse transformations