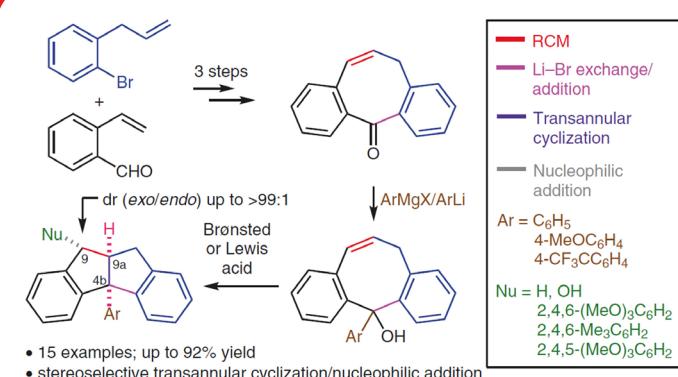


Cluster

Organic Chemistry in Thailand

Editor: Yasuhiro Uozumi

Guest Editor: Sumrit Wacharasindhu



4b-Aryltetrahydroindeno[1,2-a]indenes by Acid-Catalyzed Transannular Cyclization of Benzannulated Cyclooctene Alcohols

P. Songthammawat, T. Phumjan, S. Ruchirawat, P. Ploypradith

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Cluster Preface: Organic Chemistry in Thailand

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1309

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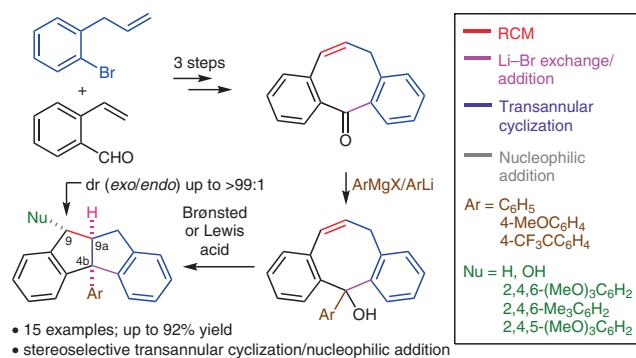
4b-Aryltetrahydroindeno[1,2-*a*]indenes by Acid-Catalyzed Trans-annular Cyclization of Benzannulated Cyclooctene Alcohols

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1312

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- inexpensive reagent
- broad range of products, up to 89% yield
- mild and metal-free conditions
- no chromatographic purification in most cases

S. Phae-nok

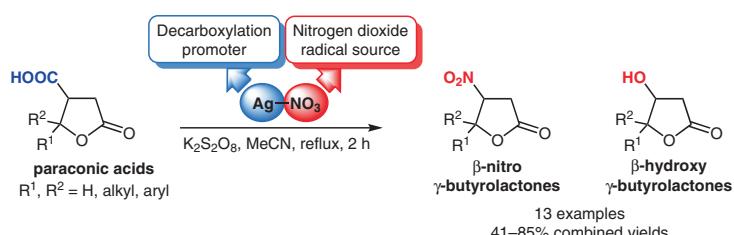
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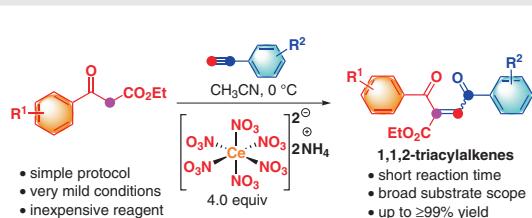
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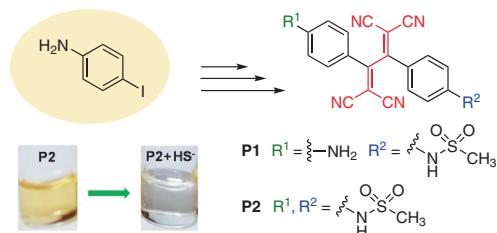
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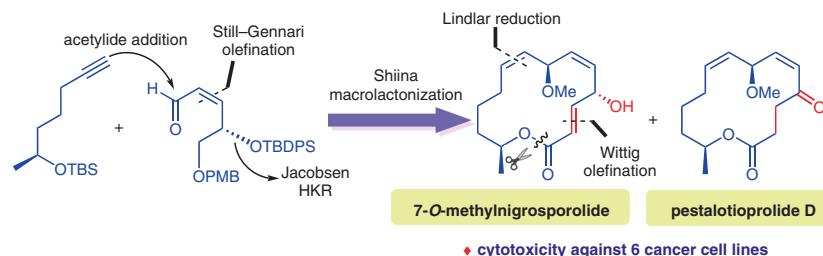
Synlett 2022, 33, 1335–1340
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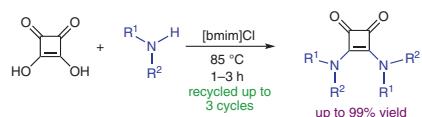
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◆ cytotoxicity against 6 cancer cell lines

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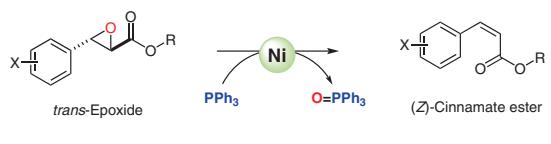
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J. S. Samec

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P. Kuntiyong

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 $\text{R} = \text{Me, Et, Bn, PMP}$
 $\text{X} = \text{F, Cl, Br, OMe, Me, NO}_2$

- Up to 86% isolated yield
- Highly *Z*-selective
- Up to 1:>100 (*E/Z*)

- Mild and simple system
- Cheap nickel catalyst

A. Khanthong

K. Khamphaijun

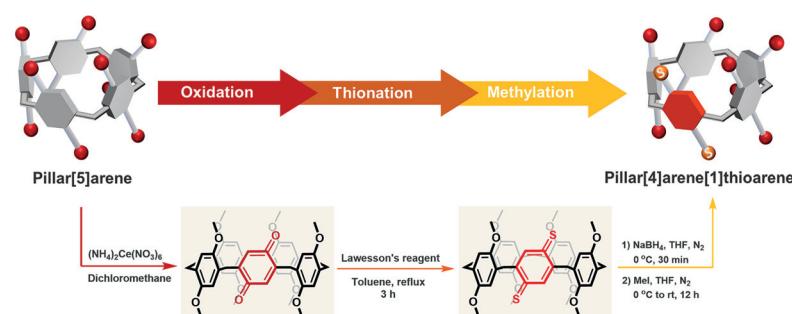
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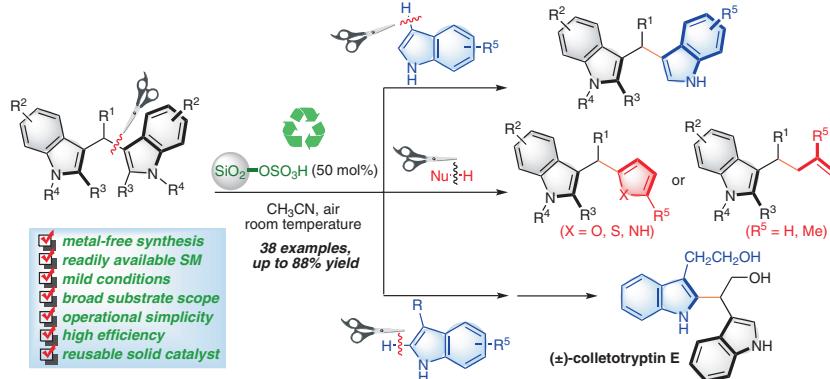
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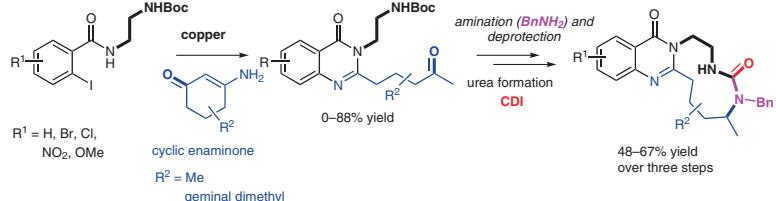
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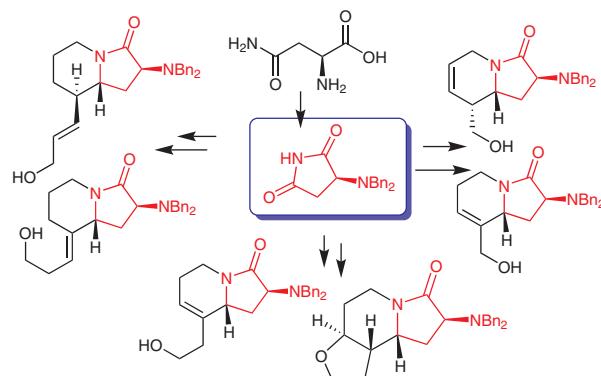
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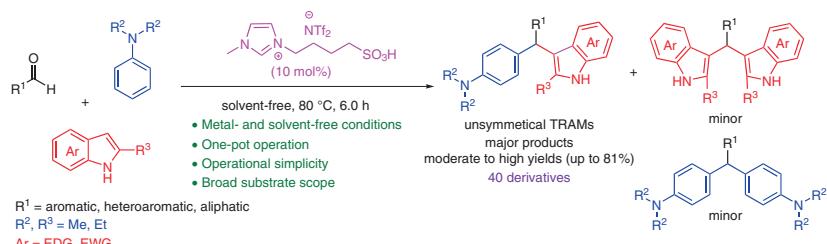
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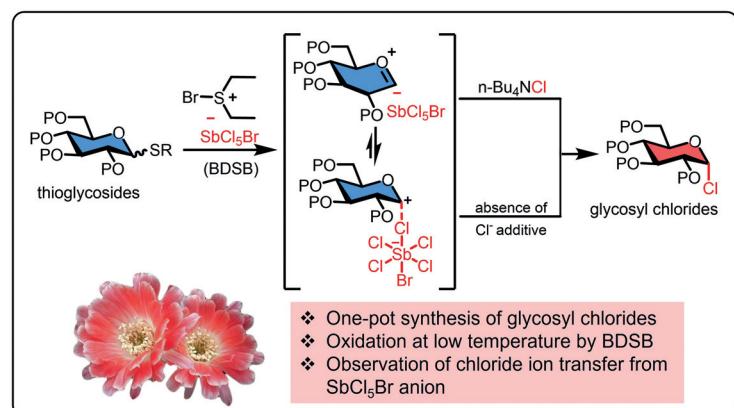
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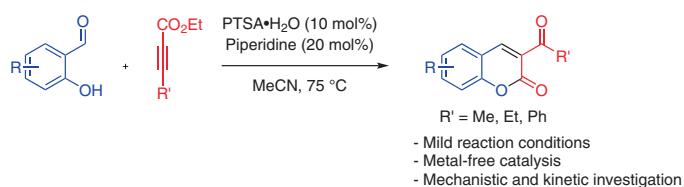
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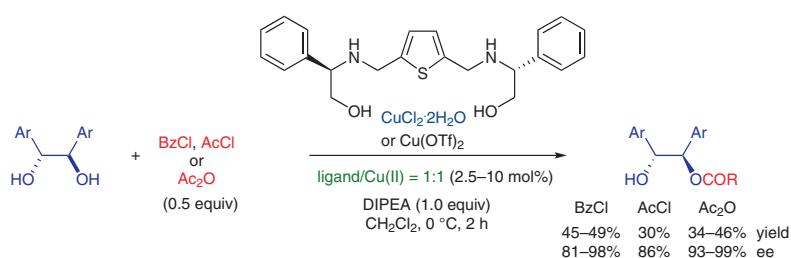
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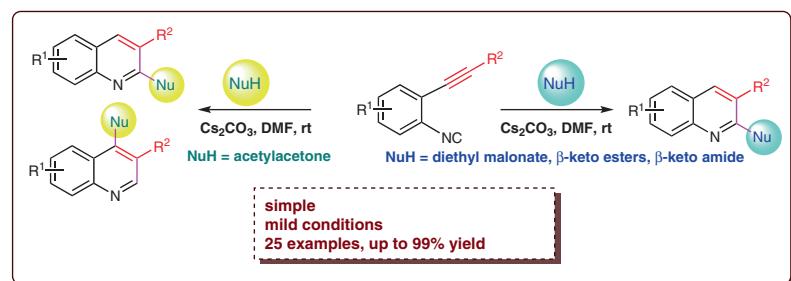
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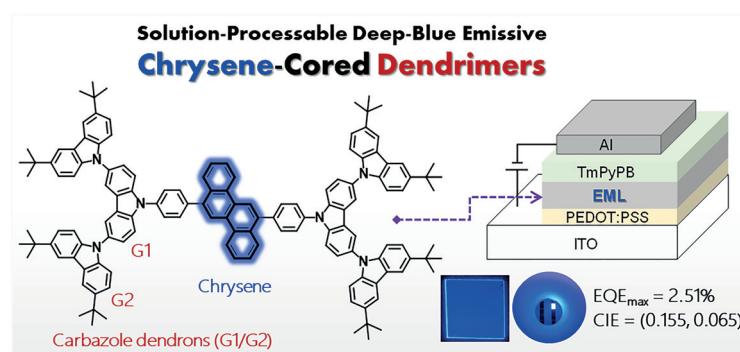
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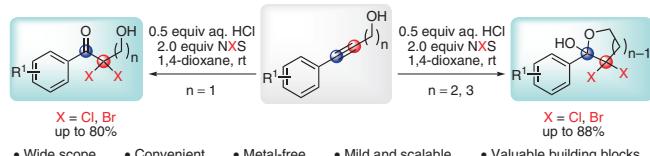
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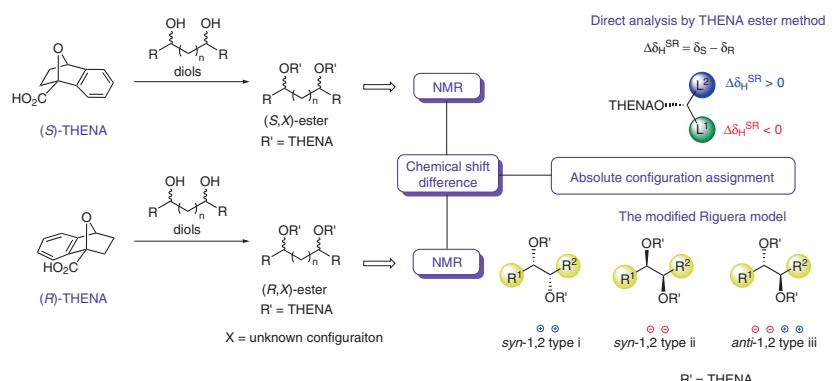
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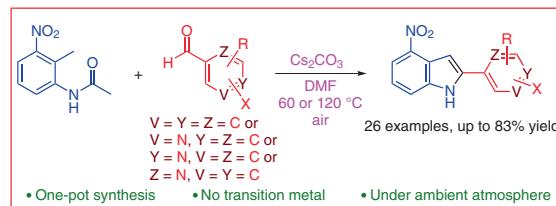


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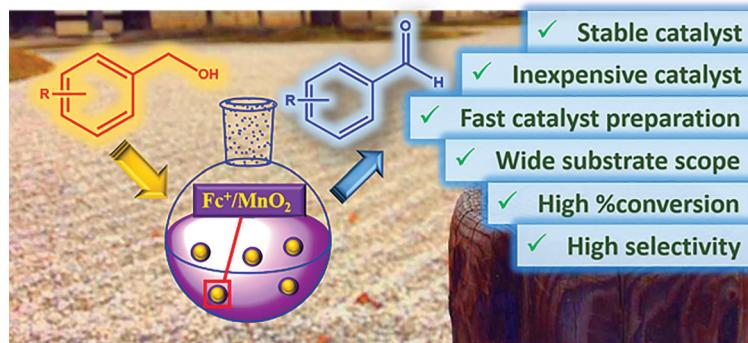
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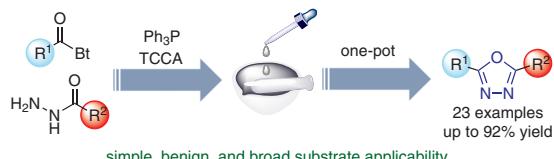
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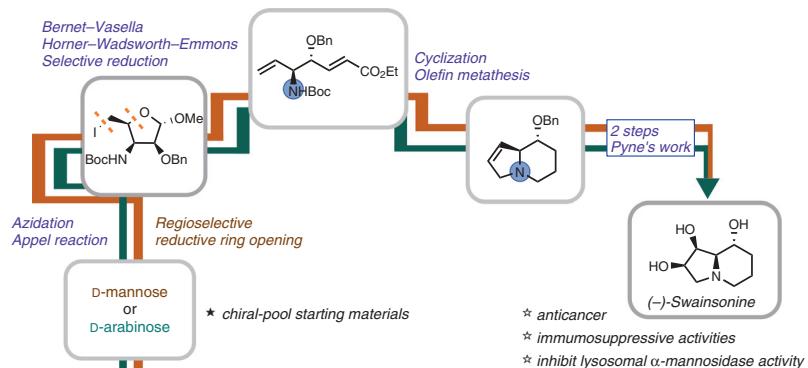


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