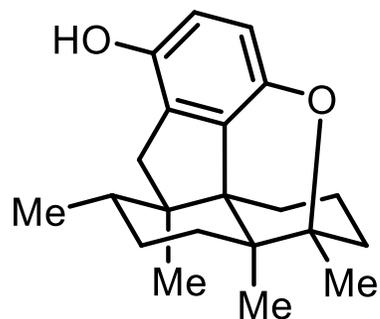
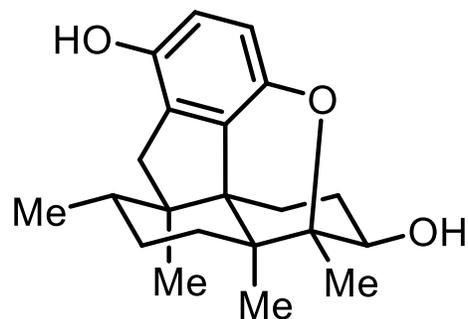


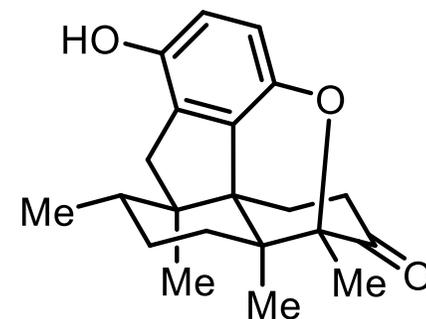
# Total synthesis of dysiherbol A-E



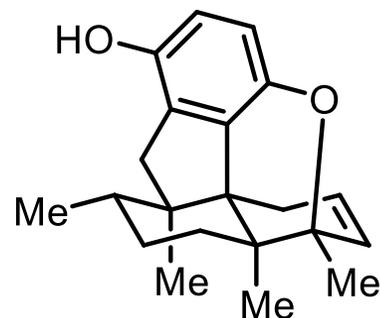
**(+)-dysiherbol A**



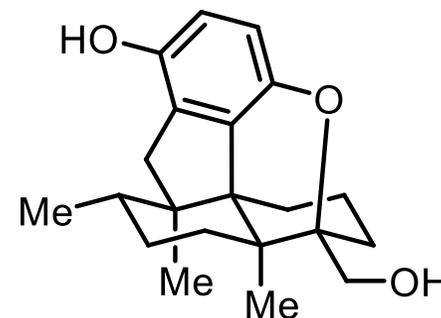
**(+)-dysiherbol B**



**(+)-dysiherbol C**



**(+)-dysiherbol D**



**(+)-dysiherbol E**

Hua shiyu

20250717

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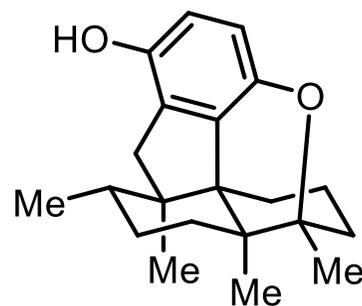
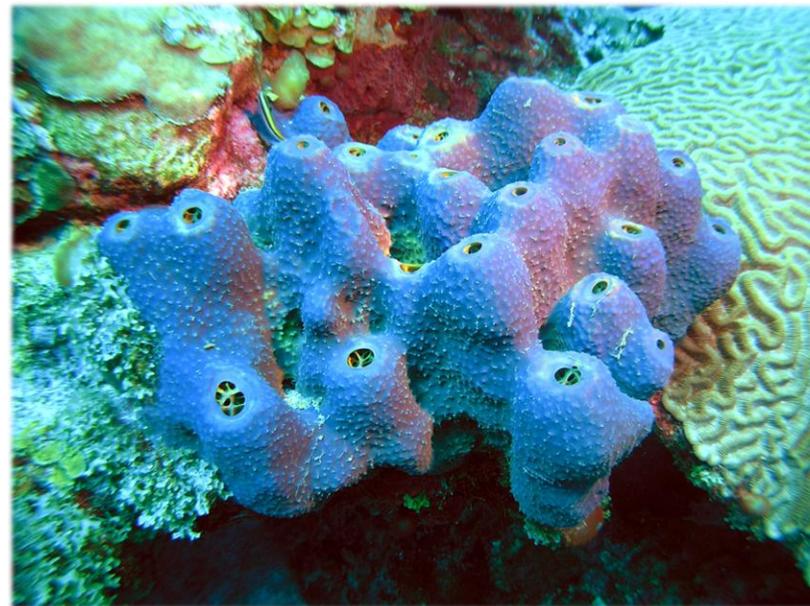


林厚文教授

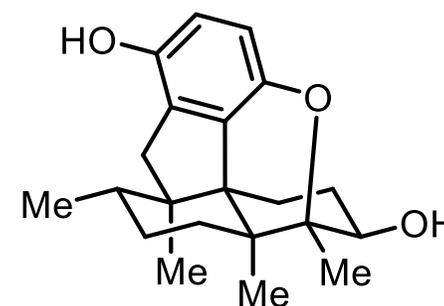
现上海交通大学医学院附属仁济医院药学部主任

2012 国家杰出青年科学基金获得者

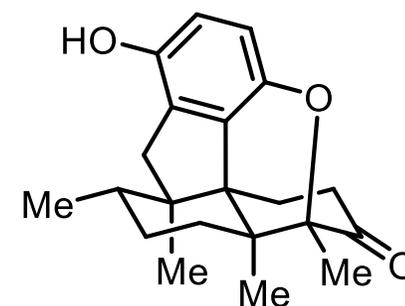
2014年教育部长江学者特聘教授



(+)-dysiherbol A



(+)-dysiherbol B



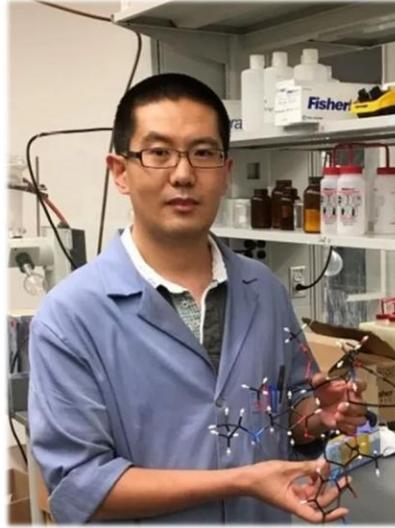
(+)-dysiherbol C

NF- $\kappa$ B受体抑制活性, 发挥类糖皮质激素作用

具有一定的免疫抑制活性



**Professor  
Hans-Günther Schmalz  
University of Cologne**



**College of pharmacy of Nankai  
鲁照永 研究员**



**School of pharmaceutical science,  
Tsinghua University  
唐叶峰 教授**



**Westlake University  
陆海华 研究员**



**Peking University shenzhen  
Graduate school  
杨震 教授**



**College of chemistry, Sichuan University  
刘波 教授**

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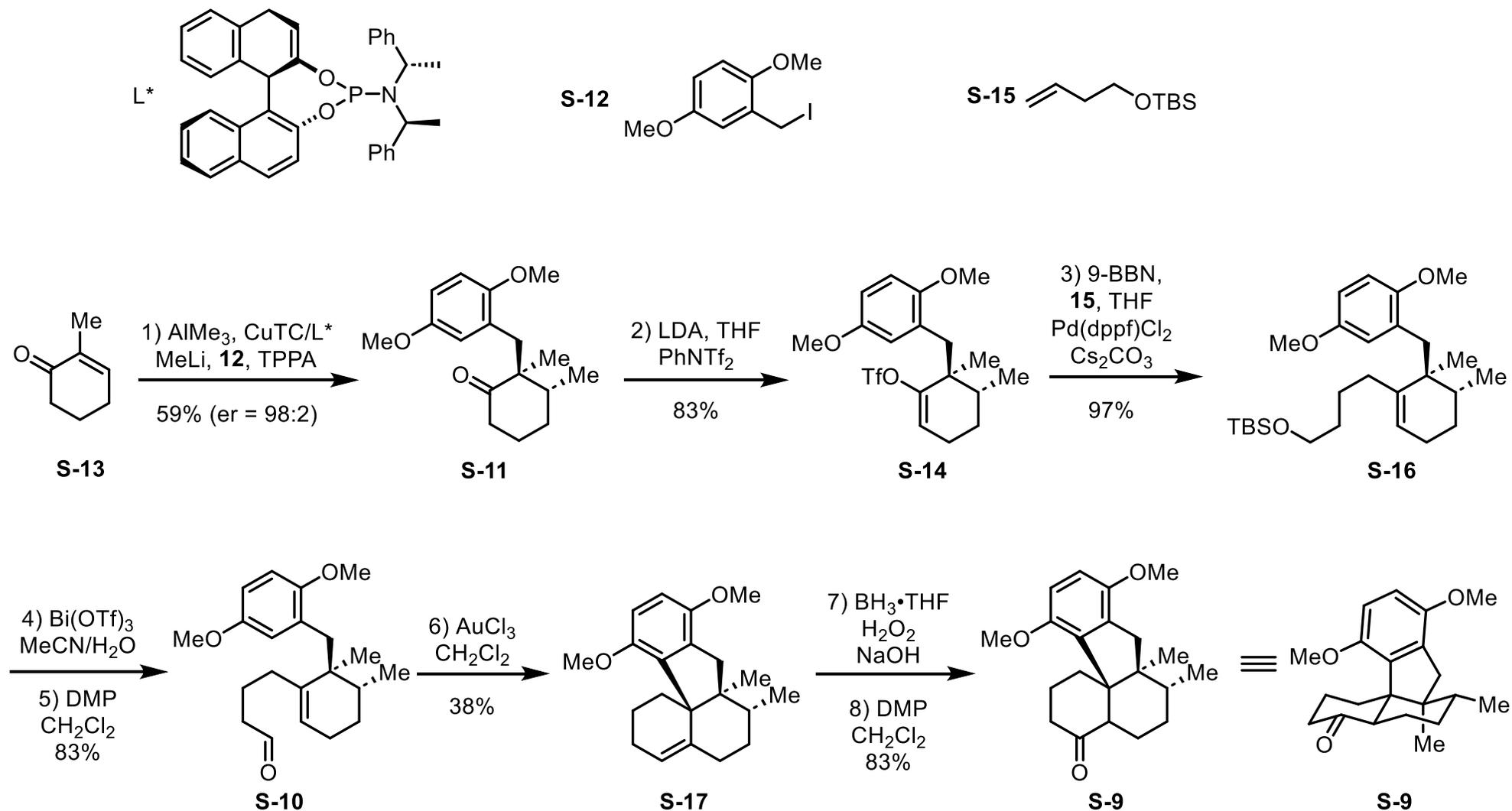
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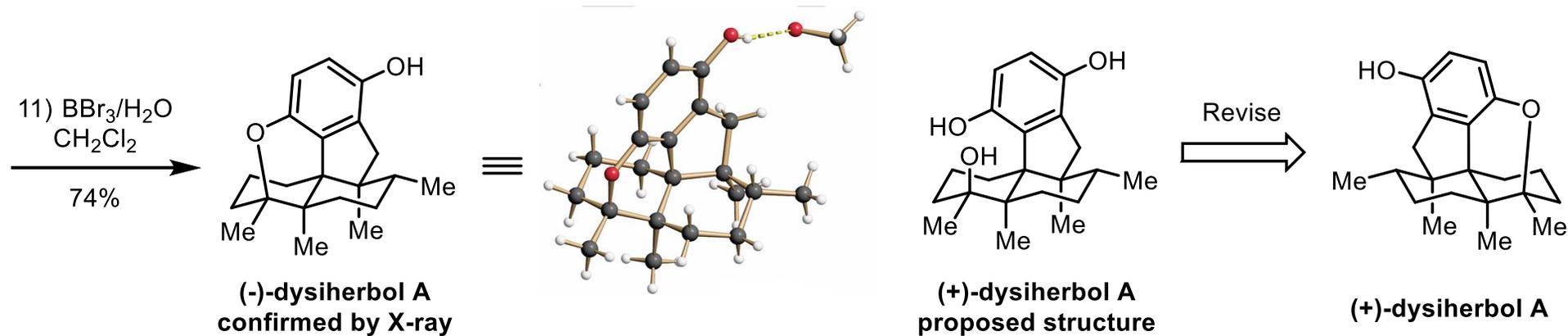
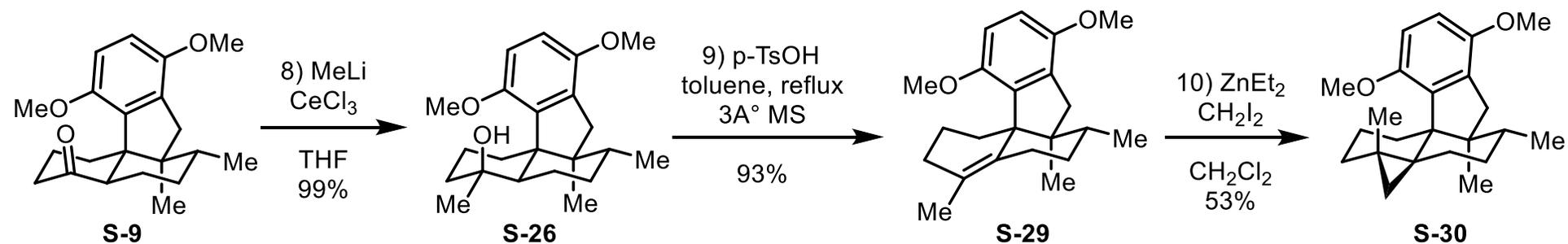
Mechanism

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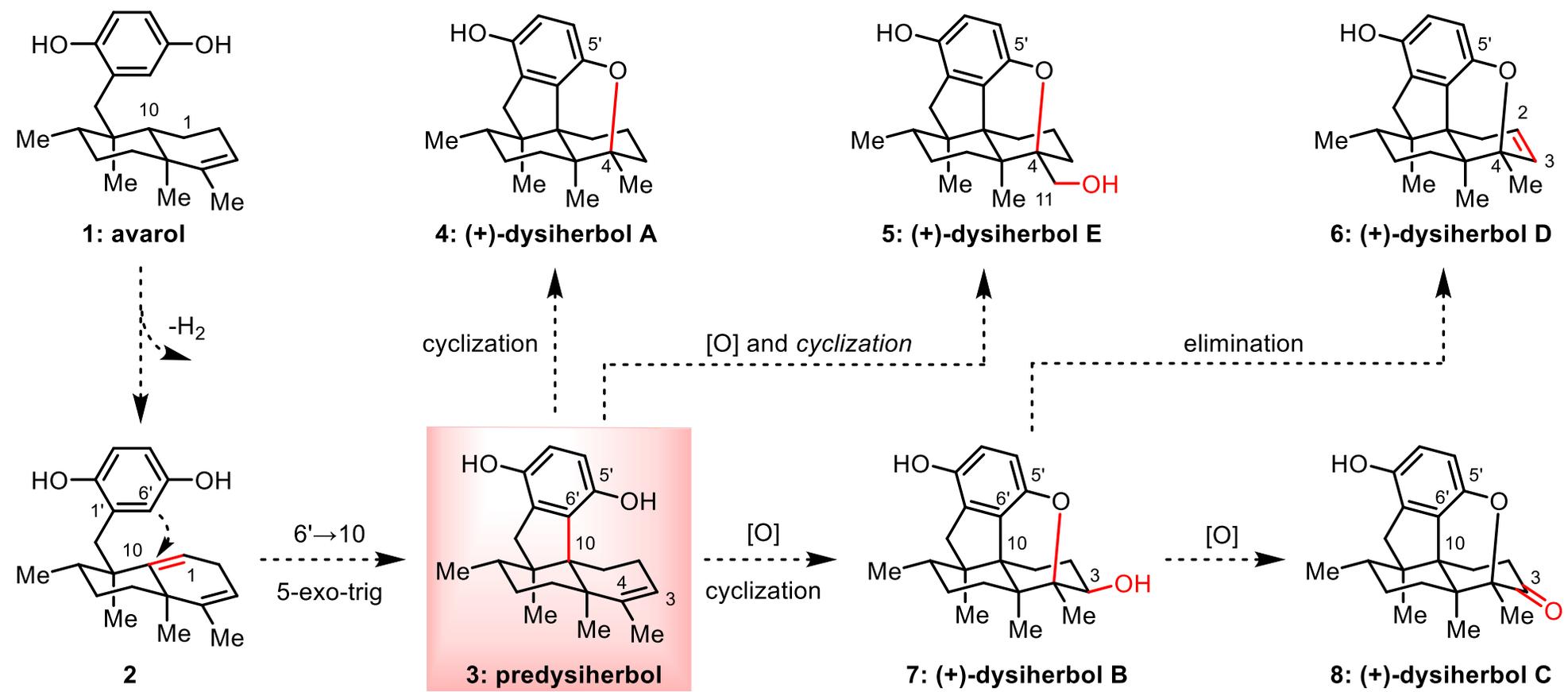
# Schmalz's Synthesis of (+)-dysiherbol A



# Schmalz's Synthesis of (+)-dysiherbol A



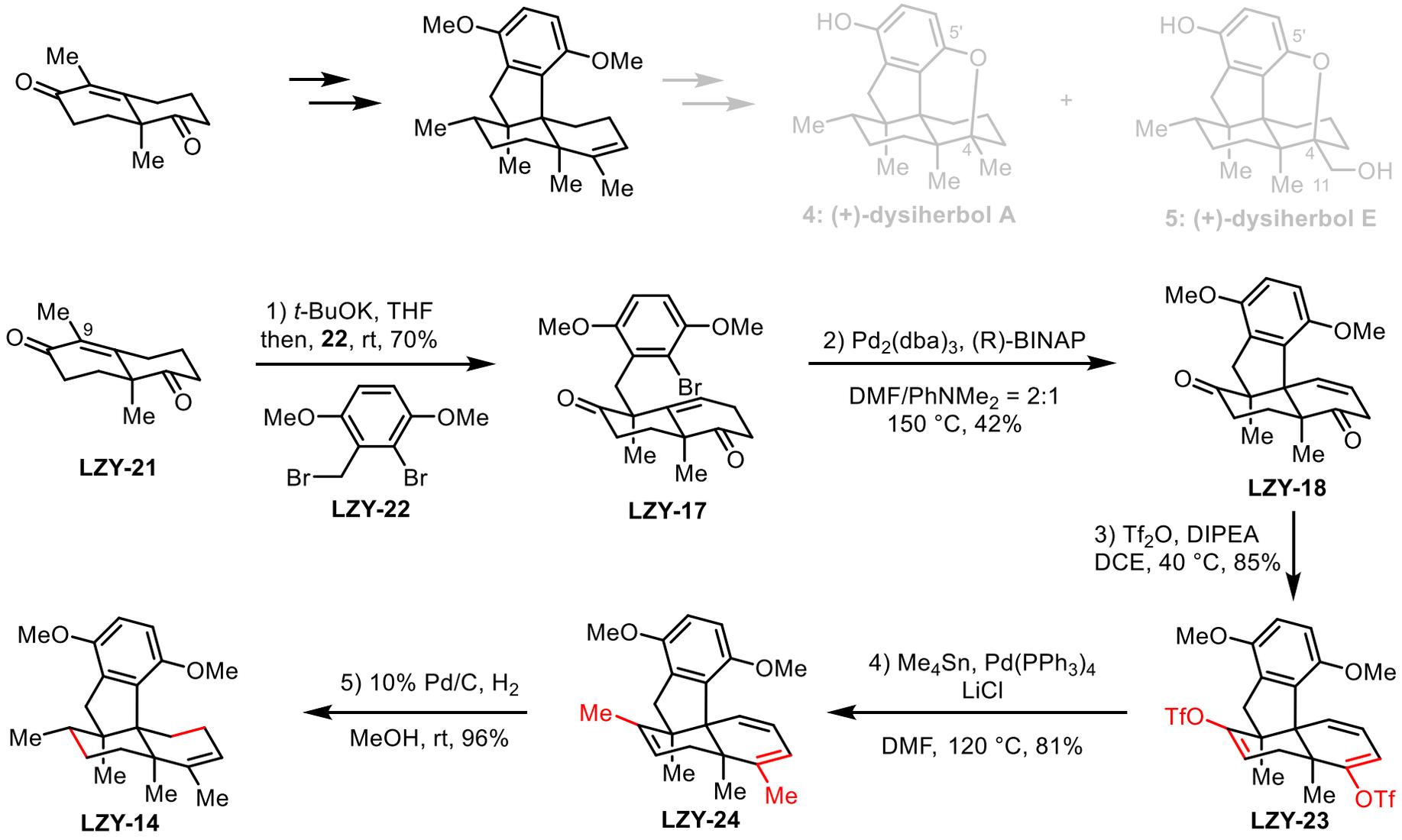
# Lu zhaoyong's Divergent total synthesis of dysiherbol A-E



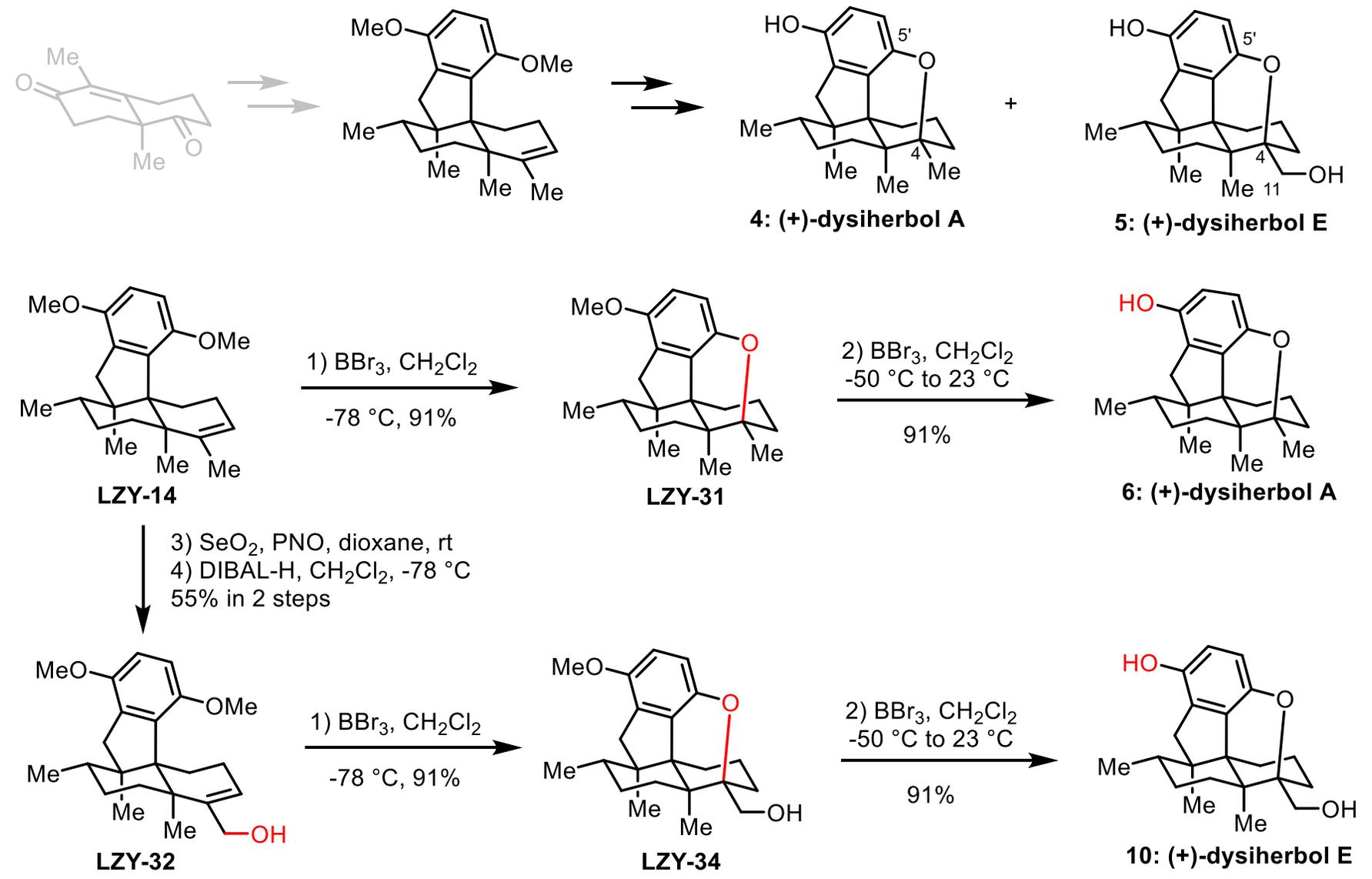
*Angew. Chem., Int. Ed.* **2021**, *60*, 13807.

*Chem. Sci.*, **2023**, *14*, 3302

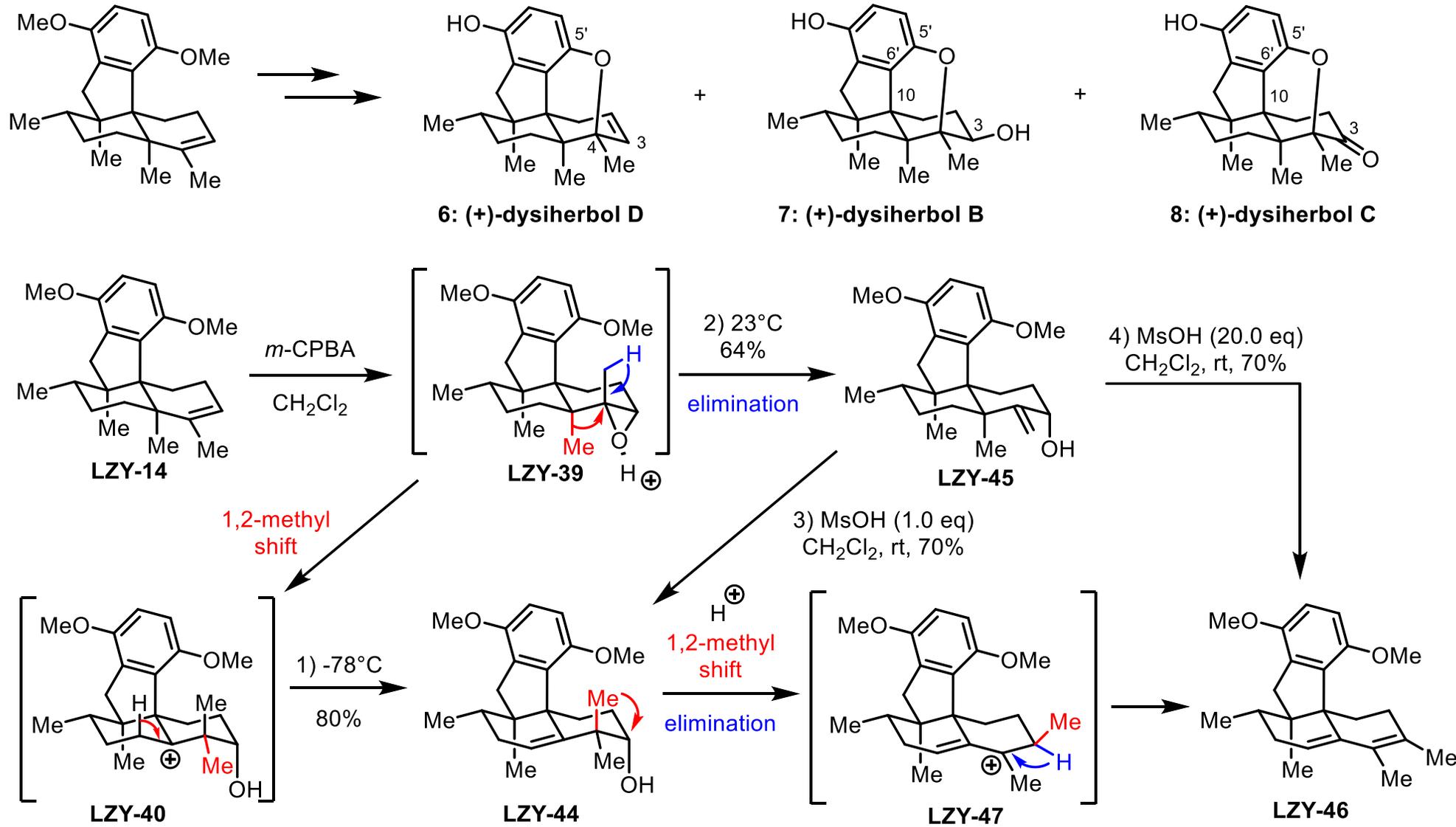
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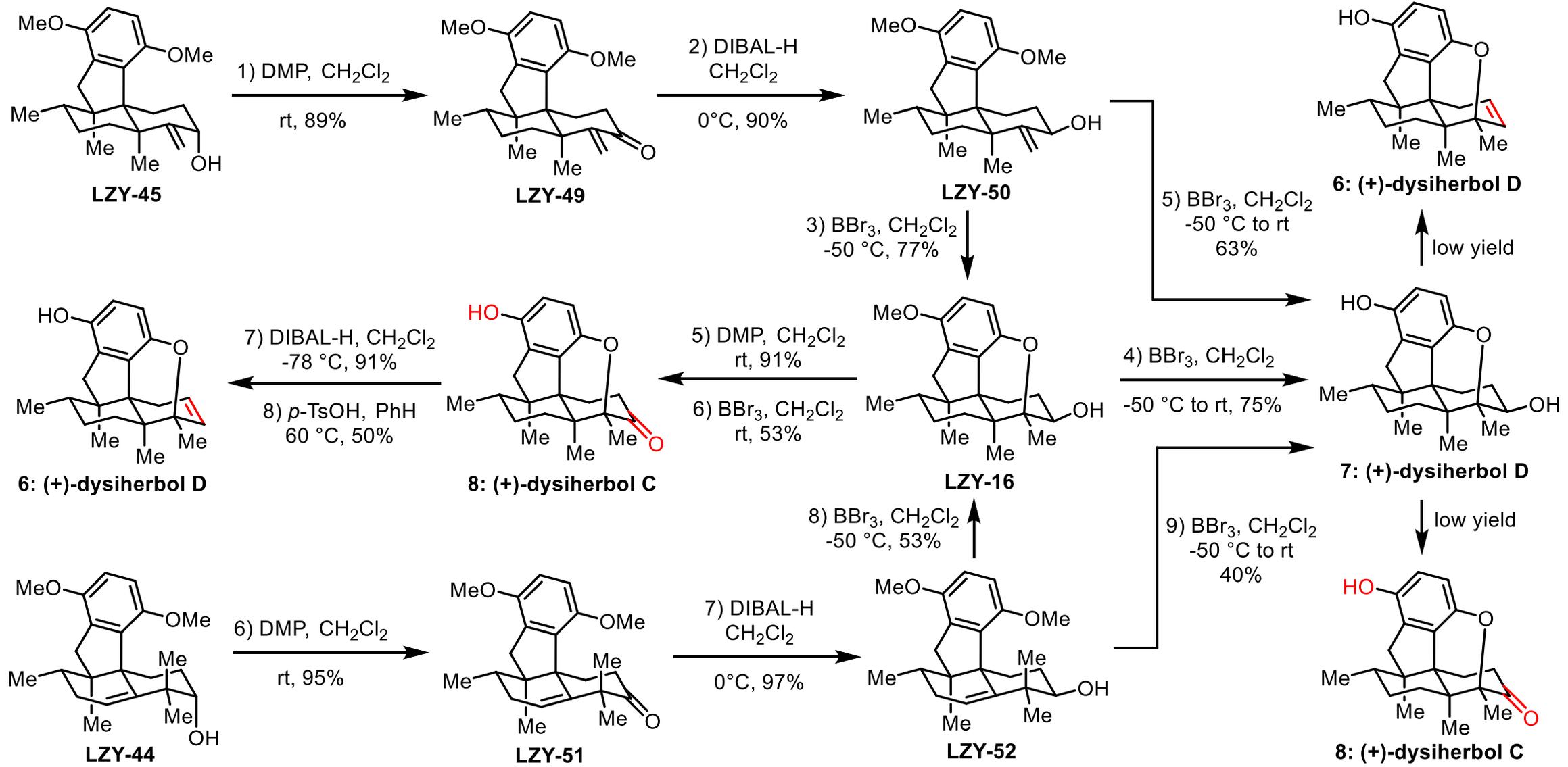
# Lu zhaoyong's Divergent total synthesis of dysiherbol A-E



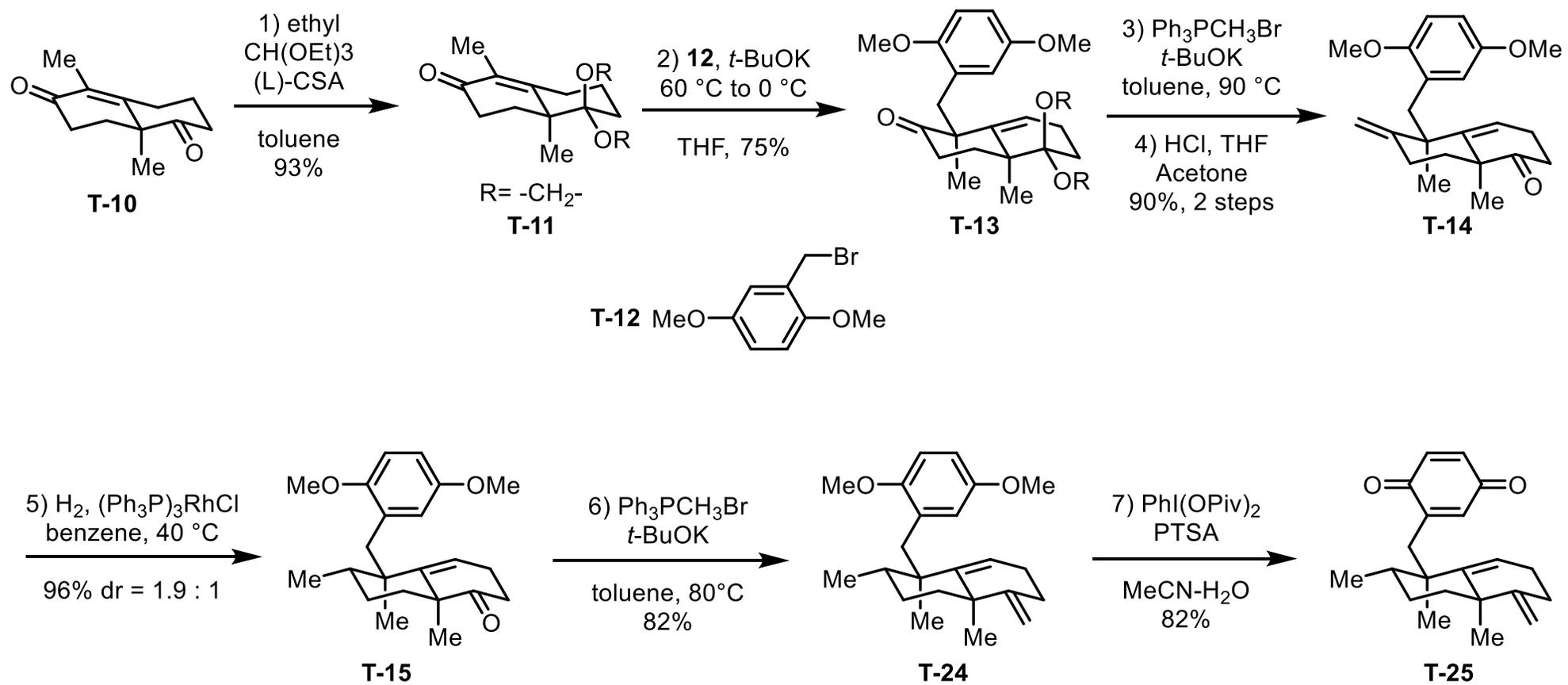
# Lu zhaoyong's Divergent total synthesis of dysiherbol A-E



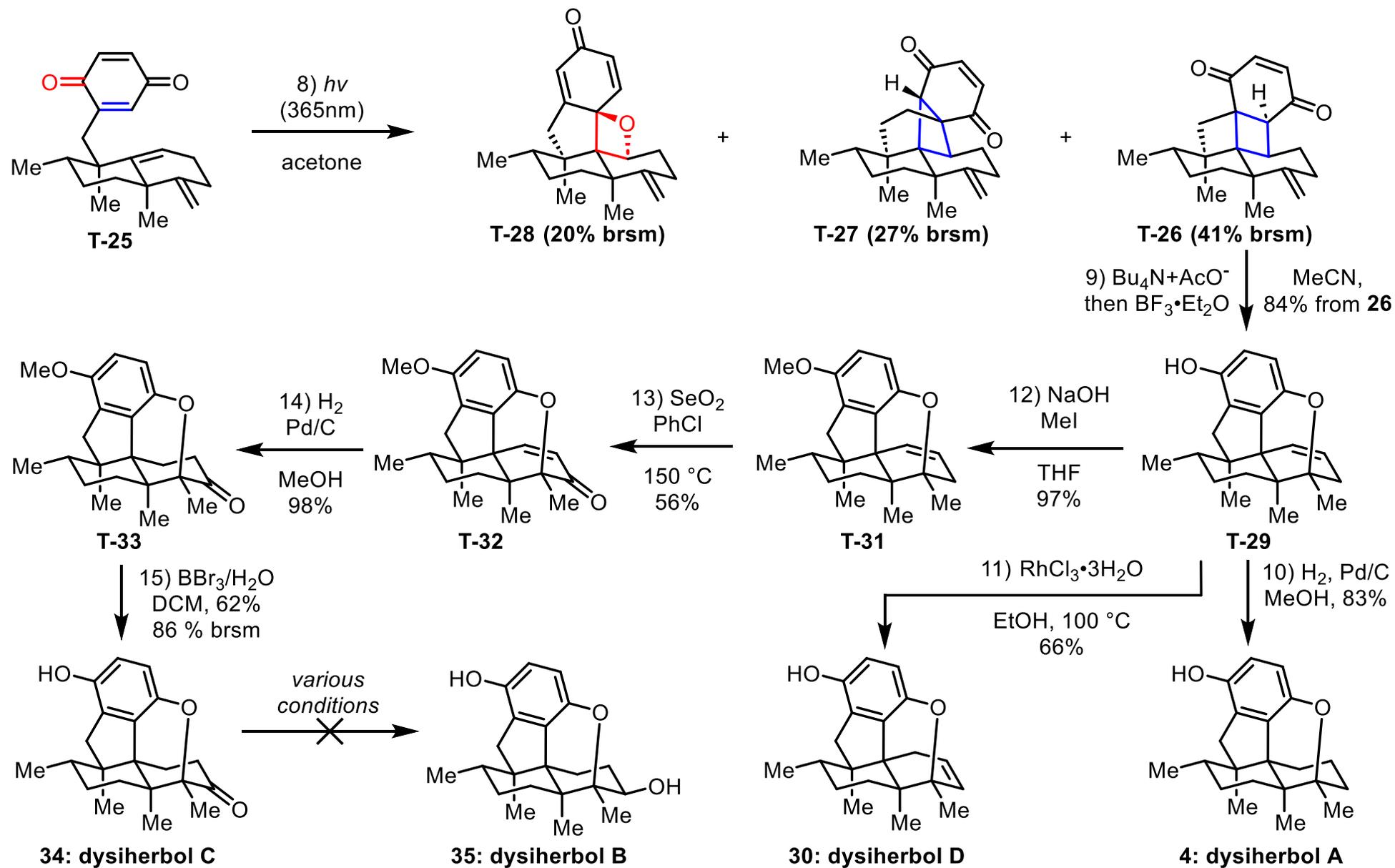
# Lu zhaoyong's Divergent total synthesis of dysiherbol A-E



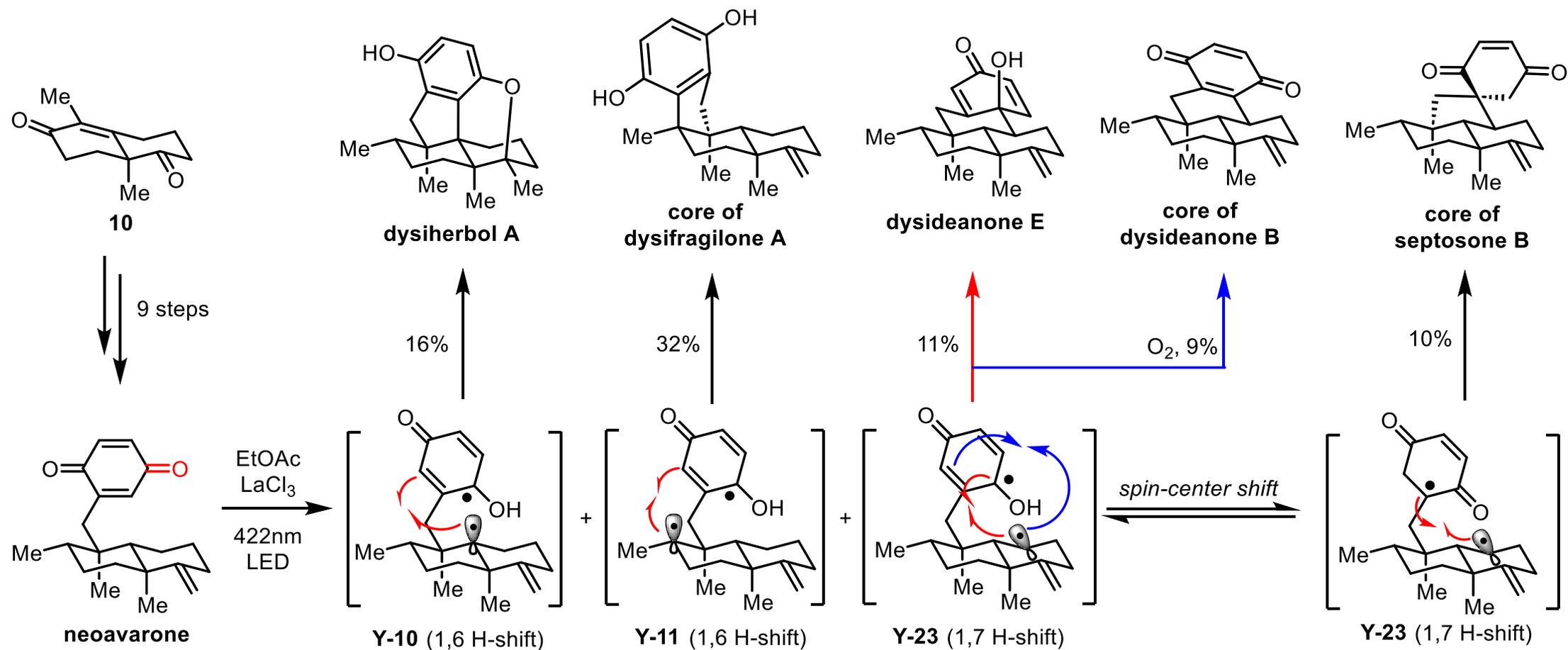
# Tang's Total synthesis of dysiherbol A, C, D



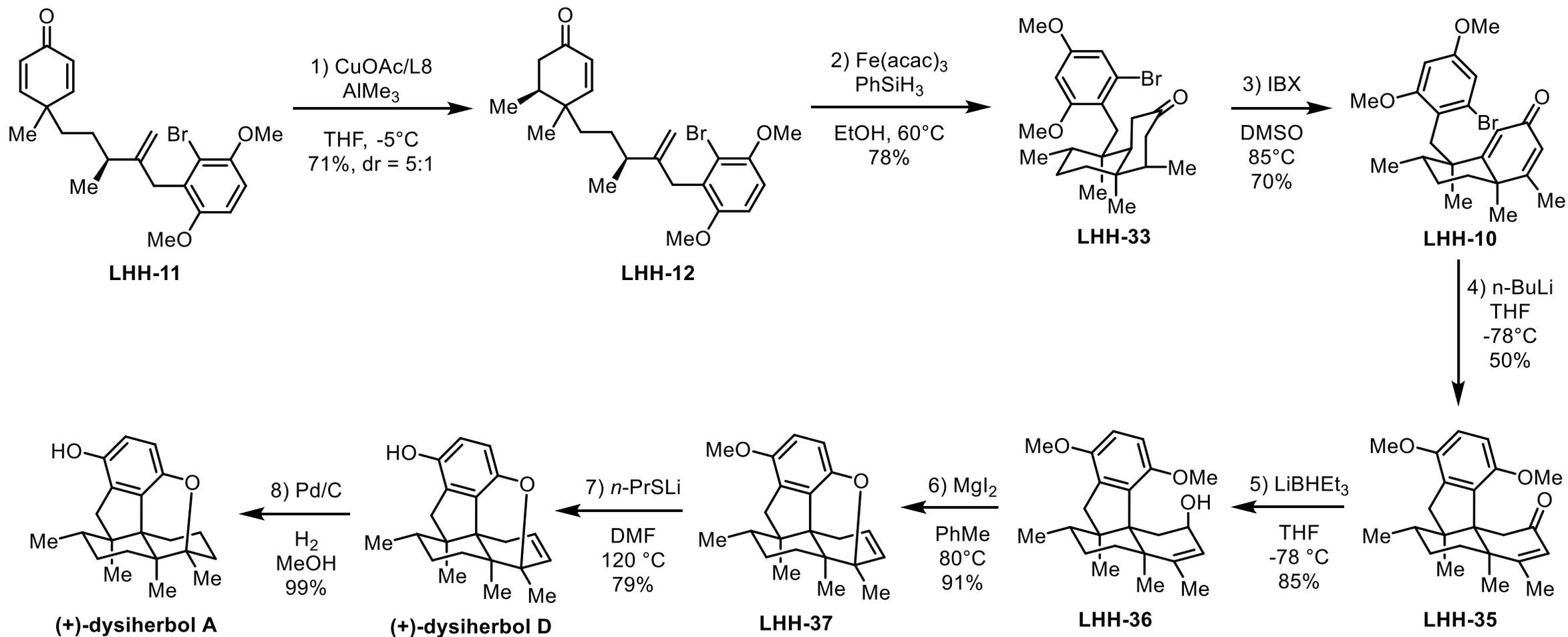
# Tang's Total synthesis of dysiherbol A, C, D



# Yang's Work



# Lu Haihua's Work



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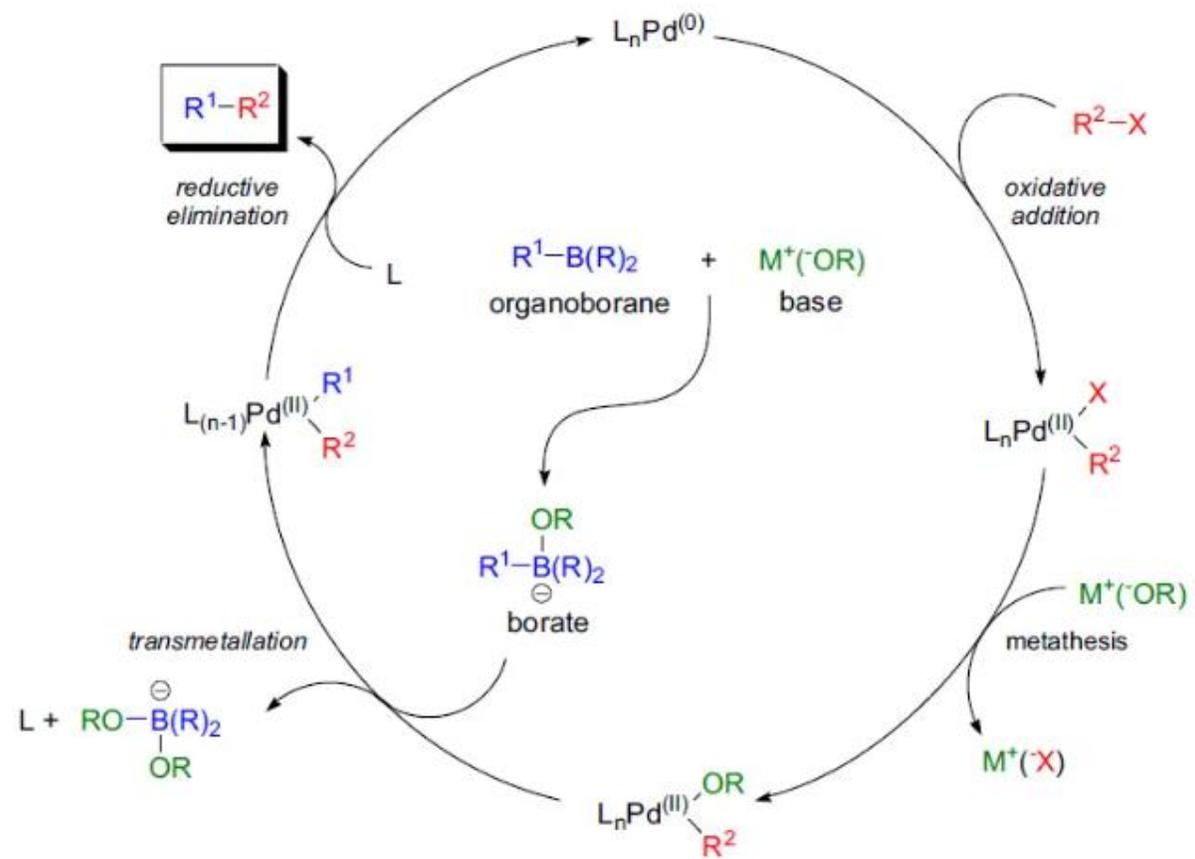
Total synthesis works

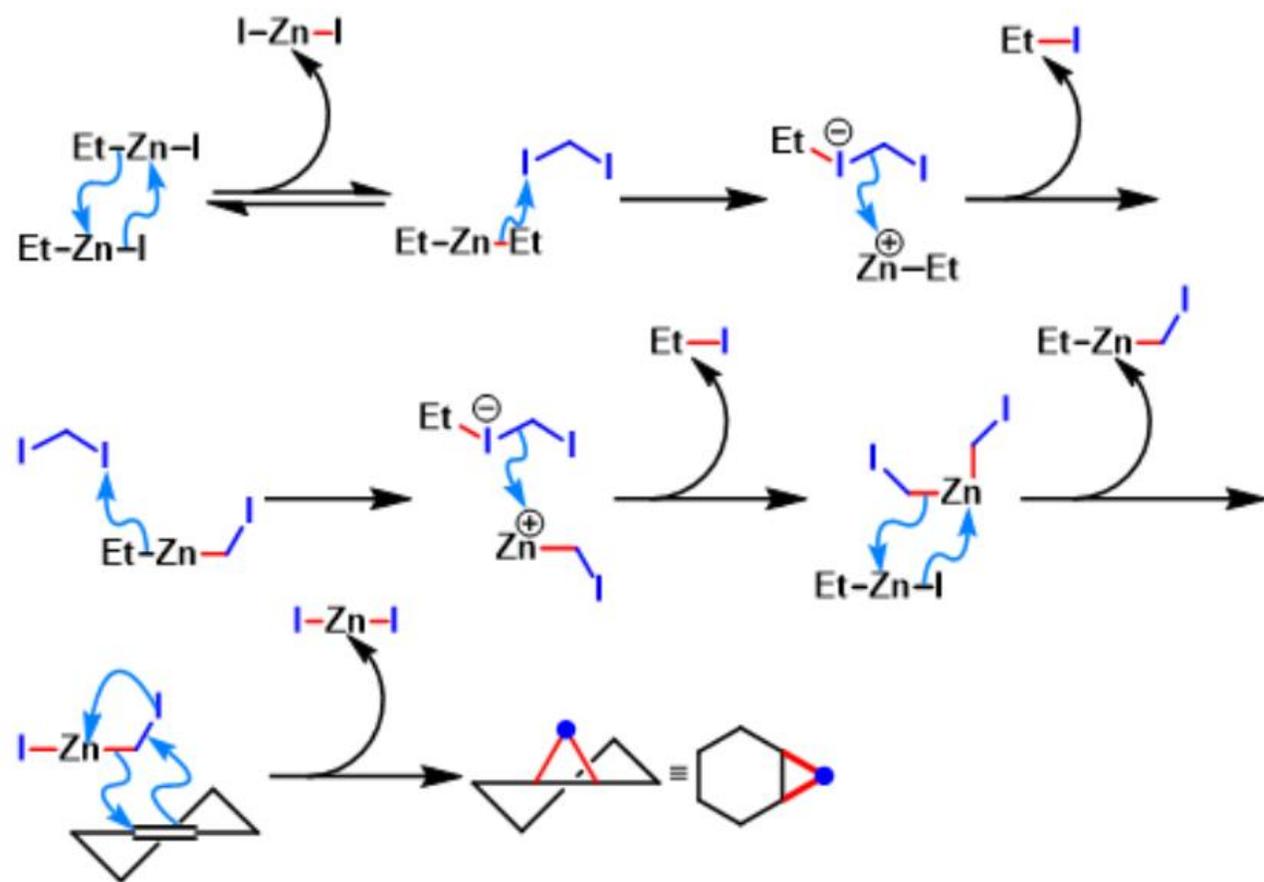
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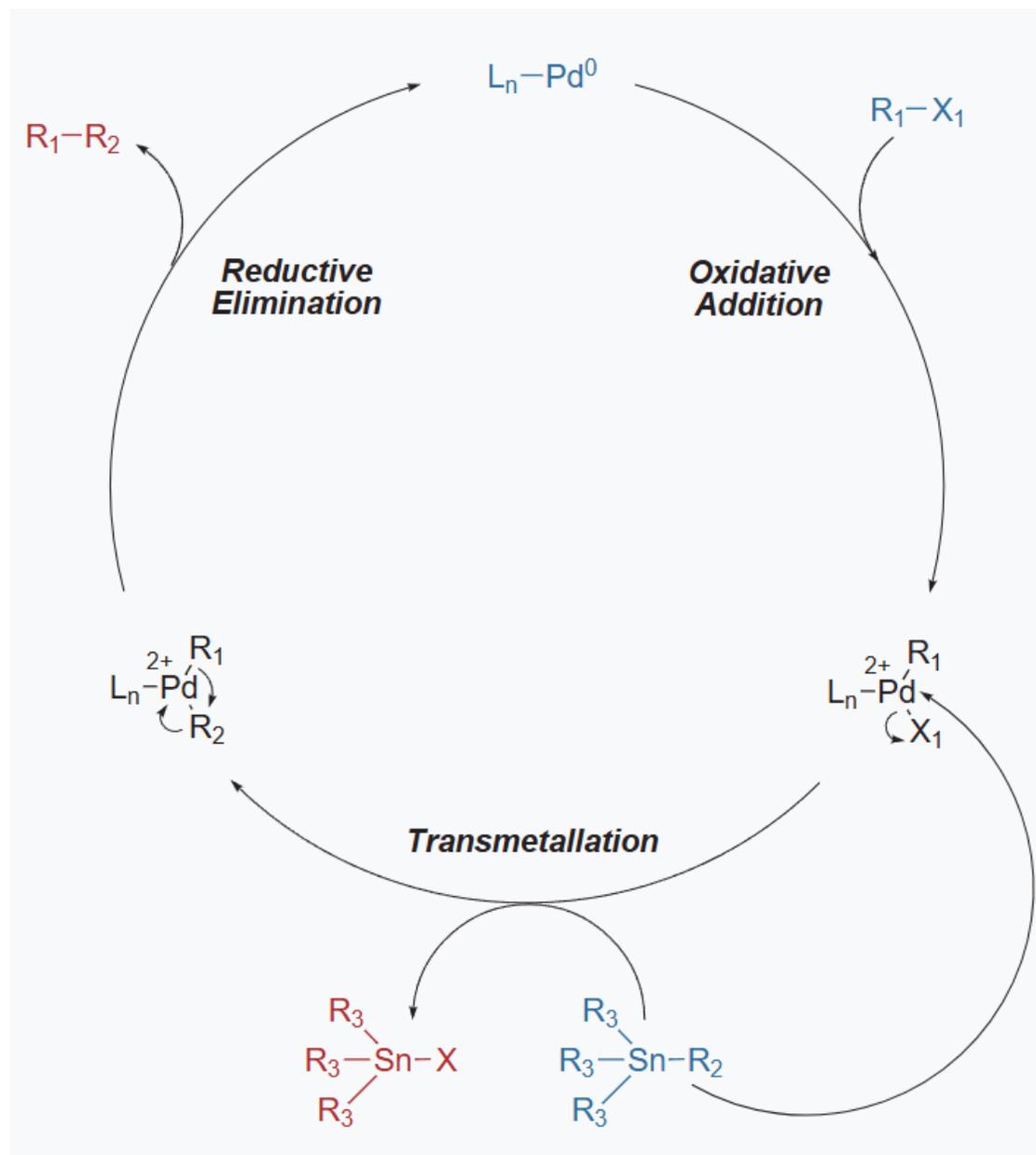
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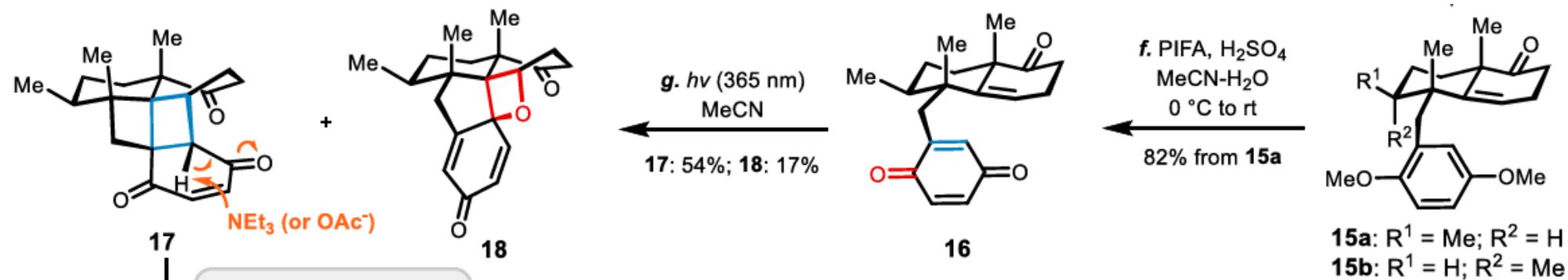
**Mechanism**

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*h.* for details see below  
**base-promoted skeletal rearrangement**

