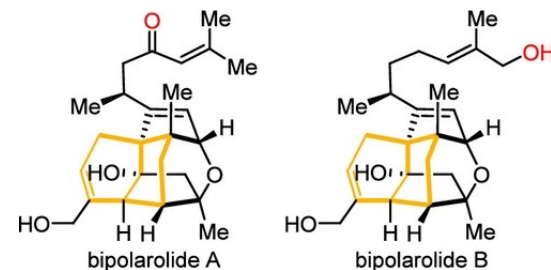


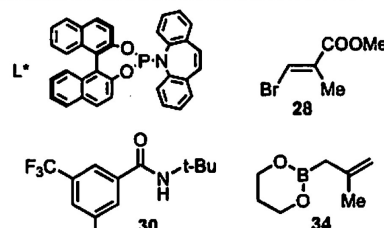
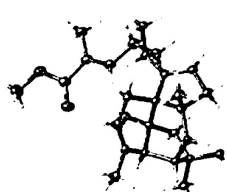
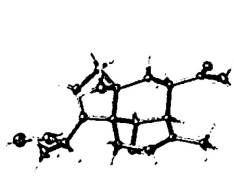
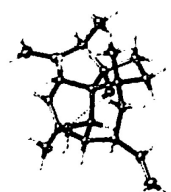
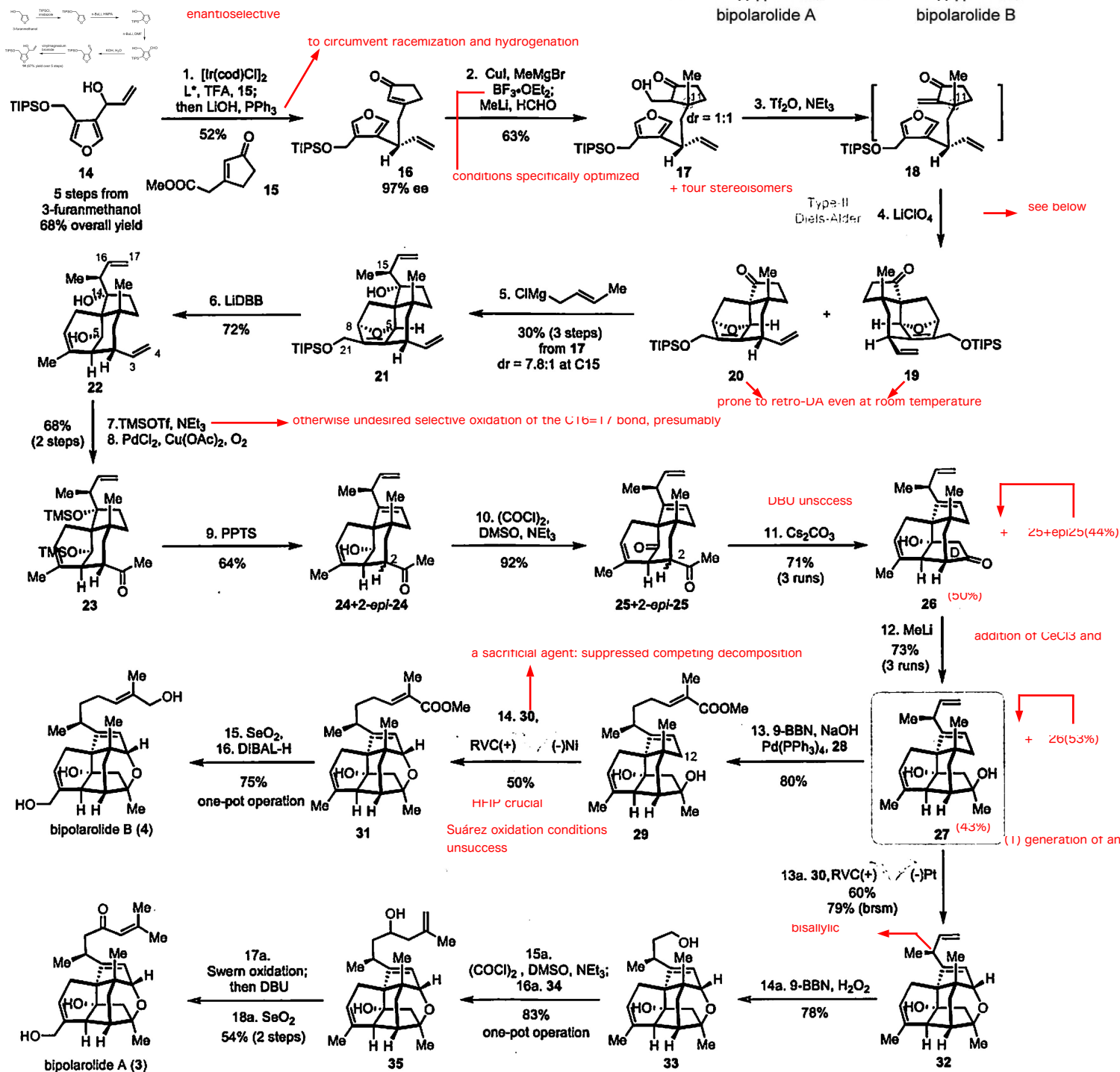
Yufei Liu,[†] Ke Sun,^{*} Qi Wei, Jin Chen, Shengling Sun, Yaxin Li, Zhongkai Feng, Yingying Guo, and Zhaohong Lu^{*}
J. Am. Chem. Soc. 2025, 147, 27219-27223.



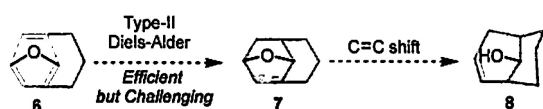
members of the ophiobolin family or sesterterpenes

enantioselective

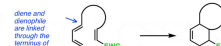
to circumvent racemization and hydrogenation



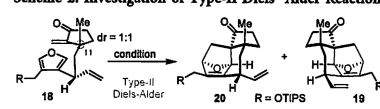
Scheme 2. Investigation of Type-II Diels-Alder Reaction



A "Type 1" Intramolecular Diels-Alder Reaction



A "Type 2" Intramolecular Diels-Alder Reaction



entry	condition	19+20 (yield from 17)
1	50 °C to 240 °C	no D-A products
2	Lewis acids, such as $\text{Se}(\text{OTf})_2$, FeCl_3 , AlEt_2Cl	1:1 20%-42% total yield
3	5 M LiClO_4 in Et_2O	19 (34%) + 20 (33%)