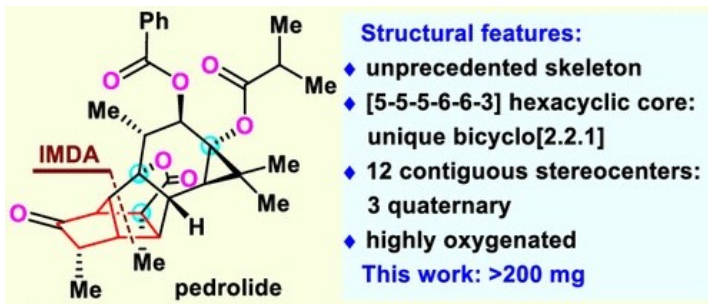


Asymmetric Total Synthesis of Pedrolide

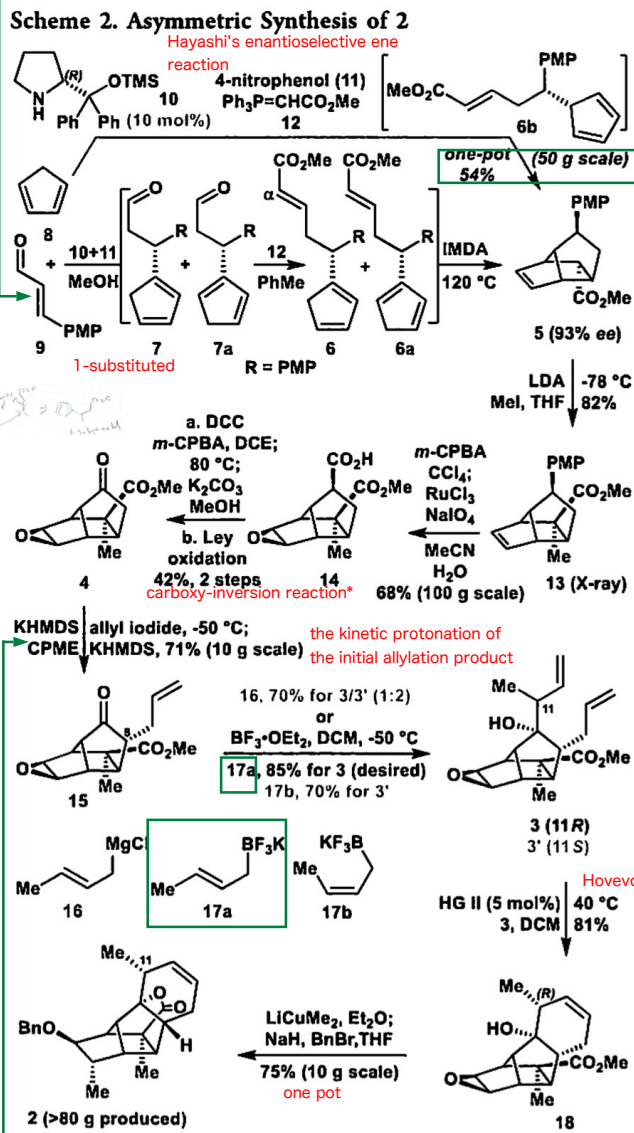
Wen Zhang, Peng-Cheng Yu, Chen-Yun Feng, and Chuang-Chuang Li*
 Cite this: J. Am. Chem. Soc. 2024, 146, 5, 2928–2932

Euphorbia diterpenoids

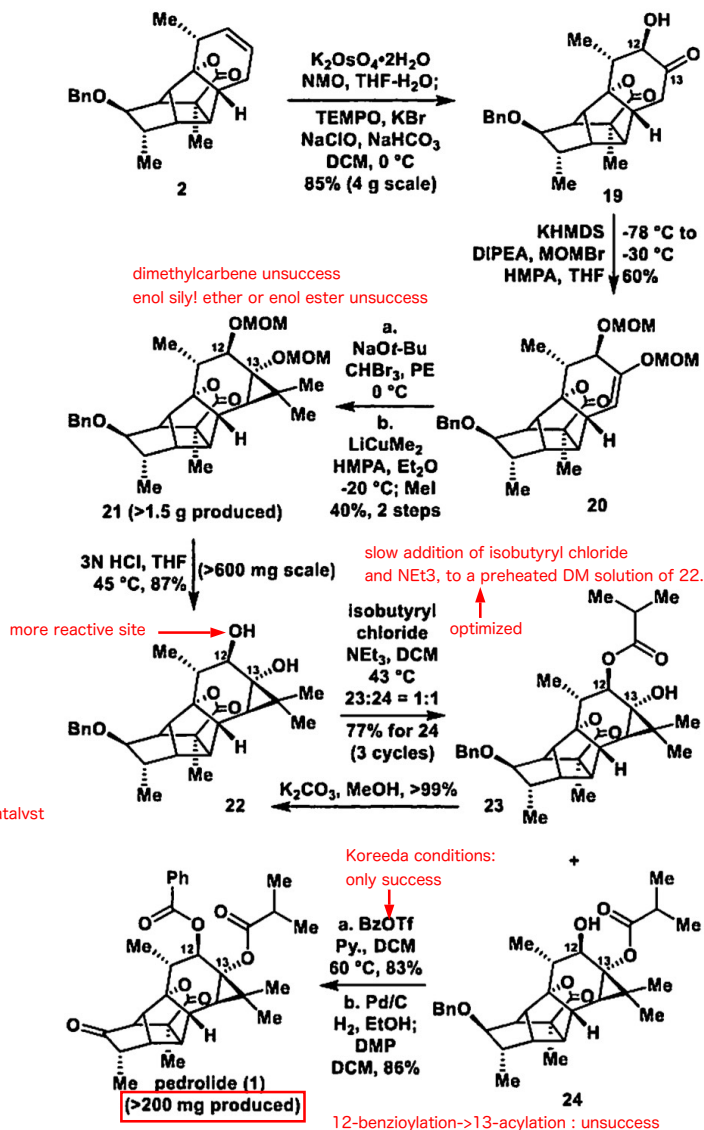
all desired 12 contiguous stereocenters from one stereocenter



commercially available



Scheme 3. Total Synthesis of (+)-Pedrolide



Hydrolysis process was much slower in CPME than in THF. this difference in solubility helped to prevent the hydrolysis of methyl ester and promote the epimerization process

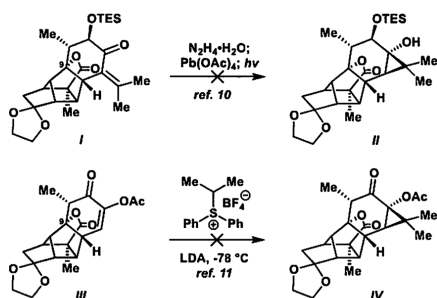


Figure 2. Selected unsuccessful attempts to construct the desired cyclopropane ring.

the lactone moiety, which was not present in previous approaches, has unfavorable effects (such as tending to eliminate)