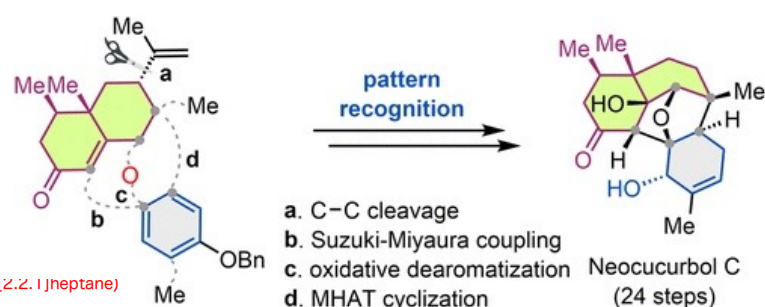


Li-Ping Zhong, Cyrus Gudeman, Jingsong Zhen, Oshani A. Wanasinghe, Jacob Hellmig, Michael J. E. Collins, John Bacsá, Alexander Adibekian,* and Mingji Dai*

J. Am. Chem. Soc. 2025, 147, 28589–28594

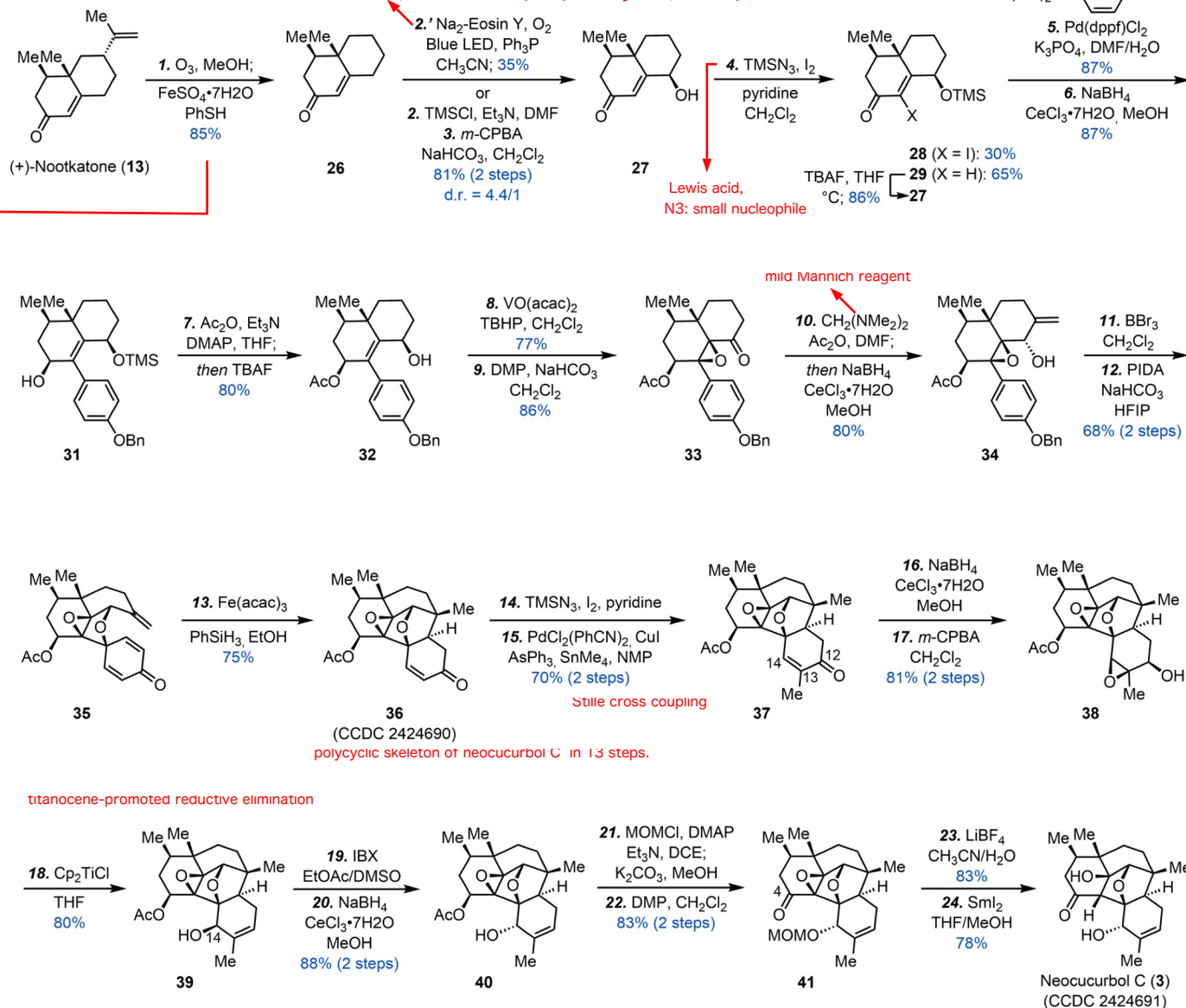
pnomactin diterpenes

Three bridged ring systems (a bicyclo[5.3.1]undecane, a bicyclo[3.3.1]nonane, and an oxabicyclo[2.2.1]heptane)



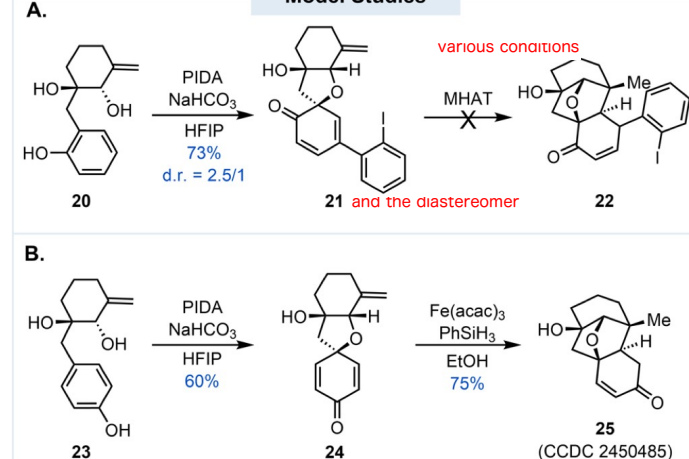
Total Synthesis

Yue's photoredox C–H hydroxylation → complicated by overoxidation



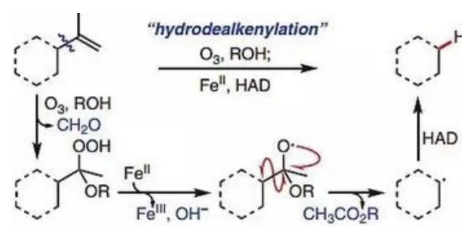
24 steps from SM

Model Studies



avoid the addition of the iodophenyl group and simplify the diastereoselectivity issue

Kwon's hydrodealkenylative bond fragmentation



while the following peripheral decoration took a longer sequence than ideal, it